APPENDIX F

TGE Resources, Inc.
8048 Northcourt Road
Houston, TX 77040
Office: 713-744-5800 Fax 713-744-5888

TGERESOURCES, INC.

Record of Verbal Communication

Date 6/8/2020 Time 10:00 AM

TGE Project No. R13411.06 Project Name Federal Way

TGE Contact Person Tim Crump

Person Contacted Michael Warfel Company WA Ecology

Telephone No. 360-902-5435 Fax No. ---

How Initiated: Telephone X Personal_____ Other_____

Distribution: File X Project Manager_____ Client_____ Other_____

Summary:

Mr. Warfel was asked whether Ecology would have any interest (or input on how to address) the presence of apparent demolition debris in the subsurface containing identified asbestos. Mr. Warfel stated that his department would not be interested in an asbestos in soil issue at the VCP site, as it would be a solid waste and worker protection issue. However, he suggested that the discovery/resolution of the issue be included in the Independent Remedial Action report for the site.

Action Required:

None.

TGE Contact Signature

TGE Resources, Inc.
8048 Northcourt Road
Houston, TX 77040
Office: 713-744-5800 Fax 713-744-5888

TGERESOURCES,INC.

Record of Verbal Communication

Date 6/8/2020 Time 10:00 AM

TGE Project No. R13411.06 Project Name Federal Way

TGE Contact Person Tim Crump

Person Contacted Ivan Rivera Company Puget Sound CAA

Telephone No. 206-689-4027` Fax No. ---

How Initiated: Telephone X Personal_____ Other_____

Distribution: File X Project Manager_____ Client_____ Other_____

Summary:

Mr. Rivera was contacted regarding discovery of apparent demolition debris in soil with potential asbestos content. Mr. Rivera stated that the debris should be tested for asbestos content "like in a building". Should an ACM be identified, the material in which the ACM was found (e.g., debris pile, soil pile, etc.) would also be considered "ACM". The removal would be considered an "Asbestos Project" under the WA and PGCAA asbestos regulations (NESHAPS) requiring the use of certified workers and abatement contractor; notification; and exposure protection protocols. Notification could likely be made as an "emergency", with an undue burden exemption to the wait period. Based on the nature of the project, removal protocols would likely entail a regulated area, maintaining the material in a "wet" condition, monitoring, and regulated disposal.

Action Required:

None.

TGE Contact Signature

APPENDIX G

20ft Container

Certification No. TB-7530
Billing Acct. No. 15590
Product Code 33

BILL OF LADING

Friable Asbestos

REGIONAL DISPOSAL COMPANY
54 S. Dawson Street
Seattle, WA 98134
Telephone: (206) 332-7700 / Fax: (206) 332-7600

This Bill of Lading augments the Master Service Agreement ("Agreement") entered into by Construction Group Intl (Generator/Agent) and Regional Disposal Company ("RDC") on 6/11/2020 (date). The terms herein are made a part of the Agreement. In the event of conflict between this Bill of Lading and the Agreement, the terms of the Agreement prevail.

RDC hereby authorizes the Wastes ("Waste") described in Certification No. TB-7530, signed by Generator/Agent on 6/11/2020 (date), for disposal at Roosevelt Regional Landfill. Contractor shall present a copy of this Bill of Lading with each shipment delivered.

Location of Waste: 29805 Pacific Hwy S Federal Way 98003

Method of Shipment: Customer

Additional Fees (e.g., laboratory fees, transportation fees, special handling fees, etc. If none, so state):

NA

PERFORMANCE DATE

FOR RDC TRANSPORTATION: Generator shall make the Waste available for shipment no later than _____ (date). RDC shall transport the Waste no later than _____ (date), unless RDC notifies the Generator in writing that Waste transport shall be suspended or canceled due to RDC's exercise of its right to inspect or analyze the Waste (as provided in the Agreement).

FOR GENERATOR TRANSPORTATION: Agent shall begin delivery of the Waste at *[check one]*:

■ Roosevelt Regional Landfill. ☐ Seattle Transfer Station located at Third and Lander.

Waste delivery shall begin no later than 6/11/2020 (date), and shall complete delivery of the Waste no later than 6/9/2021 (date), unless RDC notifies Generator/Agent in writing to suspend or cancel the waste delivery due to RDC's exercise of its right to inspect or analyze the Waste (As provided in the Agreement).

GENERATOR / AGENT

Mark Marcell
Signature

MARK MARCELL President
Printed Name and Title

6/11/2020
Date

REGIONAL DISPOSAL COMPANY

Teresa Dillashaw
Signature

Teresa Dillashaw SW Sales
Printed Name and Title

6/11/2020
Date

REPUBLIC SERVICES

CERTIFICATE OF DESTRUCTION

I, Joe Allen-Thompson, of Republic Services (RSI facility), hereby certify that the entire product described in Section A has been properly and legally disposed of in Roosevelt Regional MSW Landfill on 6/4 - 6/18, 2020 (attach any appropriate documentation).

I understand that due to potential concerns related to such things as health, quality, and loss of goodwill, NikLexi LLC (Company) does not want this product to be distributed to consumers, even through so called "distressed merchandise" channels of trade, and I further certify that these items were destroyed in such a manner that it cannot be sold, and that the company has taken every reasonable step to prevent resale of said items.

Name (print): Joe Allen-Thompson

Signature: Joseph Allen-Thompson

Title: General Manager

Date: 9/1/2020

Section A- Products Destroyed (attached additional sheets if needed):

Waste Profile Number (if applicable): 4178207530 / TB-7530

Description of Product	*Quantity or Weight*
Friable Asbestos in Soil	134.16 Tons

Detail Contract Activity Report

All Ticket Types
History and Waiting
* - Confirmed Qty Applied to Billing

June 04, 2020 to September 01, 2020
Specific Contract(s) : 'TB-7530'

All Facilities

TB-7530

Ticket Date	Facility & Ticket Number	Customer	Truck	Material	Contract Rate		Billing Quantity		Ordered Quantity	Minimum Quantity	Maximum Quantity	Material Total	Tax Total	Total
06/17/2020 I	6A 7022644	015590 - Construction Group Internal	5227	Asbestos	0.00	S	13.64	TN	0.00		$0.00			
06/17/2020 I	6A 7022645	015590 - Construction Group Internal	5223	Asbestos	0.00	S	16.79	TN	0.00		$0.00			
06/17/2020 I	6A 7022646	015590 - Construction Group Internal	5222	Asbestos	0.00	S	14.73	TN	0.00		$0.00			
06/18/2020 I	6A 7022702	015590 - Construction Group Internal	5227	Asbestos	0.00	S	14.76	TN	0.00		$0.00			
06/18/2020 I	6A 7022703	015590 - Construction Group Internal	7330	Asbestos	0.00	S	13.30	TN	0.00		$0.00			
06/18/2020 I	6A 7022705	015590 - Construction Group Internal	5222	Asbestos	0.00	S	12.03	TN	0.00		$0.00			
06/18/2020 I	6A 7022711	015590 - Construction Group Internal	5223	Asbestos	0.00	S	17.78	TN	0.00		$0.00			
06/18/2020 I	6A 7022712	015590 - Construction Group Internal	5227	Asbestos	0.00	S	15.82	TN	0.00		$0.00			
06/18/2020 I	6A 7022713	015590 - Construction Group Internal	7330	Asbestos	0.00	S	15.31	TN	0.00		$0.00			

Tickets Reported: 9 Items Reported: 9

Contract Totals:

Material Summary	Weight Inbound	Weight Outbound		Volume Inbound	Volume Outbound		Count Inbound	Count Outbound	Billing Quantity		Material Total	Tax Total	Total
33 - Asbestos	134.16	0.00	TN	252.00	0.00	YD	0.00	0.00	134.16	TN			

Cash Totals:
Invoice Totals:
Report Totals:

Tickets Reported: 9 Items Reported: 9

EMERGENCY WAIVER

Washington State Department of Labor & Industries

Asbestos Project Notification Form

Form ID: 160305#272896186
Submitted: 06/08/2020 at 3:30pm

Completed by: Mark Marcell

Project dates and notice type
Notice date: 06/08/2020
Notice type: Short-Term Notification
Project dates: 06/10/2020 to 06/19/2020
Notification sent to: Region 2
Notification sent on: 06/08/2020 at 3:00pm
Short-term notification reason: Asbestos Piping discovered below grade while excavating site.

Work hours
You will work these times:
7:00am to 3:30am
...on these dates:
Monday, Tuesday, Wednesday, Thursday, and Friday from 6/10/2020 to 6/19/2020

Job site location
Address:
29805 Pacific Hwy S.
Federal Way, WA 98003
County: King

Contractor
CONSTRUCTION GROUP INTERNATION (WOODINVILLE)
UBI: 602516973
Certification: ABCN00001411
Phone: 425-487-2618 x102
Contact Email: Debraz@cgius.net
Supervisor: Brayden Marion
Certification: ABAS00035283
Phone: 253-394-8411

Property owner
Name: Curt Nelson
Company: NIKLEXI LLC
Phone: 509-995-5965
Address:
627 E. Francis Ave.
Spokane, WA 98208

Facility details
Facility type: Commercial
Construction year: 1970
Size: 8000 sq. feet
Prior use: automotive
Construction type:
demolition

Project details
Mag/mudded pipe insulation - 300 linear feet
Outdoors
Removed
Control measures:
Critical Barriers
Hepa Vacuum
Manual Methods
Wet methods
Other: dirt/pipe comingled
Respiratory protection:
1/2 mask - Air purifying respirator

pscleanair.org
Puget Sound Clean Air Agency

Notification Case #: 202002346

This page must be printed. A printout of the notification, all amendments to the notification, and the asbestos survey shall be available for inspection at all times at the asbestos project or demolition site (Reg III, 4.03(a)(6)).

Fee Amount Paid	**$65.00**		
Credit Card Transaction #	**AL0A6A4F4022**		
Transaction Date	**06/08/20**		
Owner's Name	**NIKLEXI LLC**	Phone	**(509) 995-5965**
Project Street Address	**29805 Pacific Hwy S**		
City	**Federal Way**	Zip	**98003**
Contact Person	**Curt Nelson**	Phone	**(509) 995-5965**
Mailing Address	**627 E. Francis Ave.** **Spokane, WA 98208**		

This project includes asbestos removal.

Project Size	**100** linear feet / square feet		
Project Start Date	**06/10/20** Completion Date **06/19/20**		
Asbestos will be removed by	**a licensed asbestos abatement contractor**		
Contractor	**Construction Group Intl LLC**	Contractor Job #	**A20176**
Contact	**Mark Marcell**	Phone	**(425) 487-2618**
Mailing Address	**19407 144th Ave NE Bldg D** **Woodinville, WA 98072**		

(1) I certify that the information I have provided is to the best of my knowledge true and accurate.
(2) I understand that I must file an Amendment to this Notification if:

- The type of project has changed. The project types are asbestos and demolition.
- The quantity of friable asbestos to be removed meets a larger project category.
- The project's start or completion date has changed.

(3) I understand one Notification must be filed for each structure. The only exception is for a single-family residence that includes multiple ancillary structures, such as a detached garage or other outbuildings having the same street address. If there is no street address, I have used a building number.
(4) I understand the fees for this Notification are nonrefundable.

Create Another **Notification**

If you have questions, contact us at asbestos@pscleanair.org or 206.689.4058.

Republic Services

18500 N. Allied Way, Phoenix, AZ 85054

SPECIAL WASTE DEPARTMENT DECISION

	Waste Profile #	Expiration Date	
	4178207530	6/9/2021	

I. Decision Request: ☑ Initial ☐ Recertification ☐ Change

Disposal Facility: 4178 - Roosevelt Regional MSW L/F

Generator Name: NIKLEXI LLC

Generator Site Address: 29805 Pacific Hwy S

City: Federal Way	**County:**	**State:** WA	**Zip:**

Name of Waste: Friable Asbestos in Soil

Estimated Annual Volume: 200 Cubic Yards

II. Special Waste Department Decision: ☑ Approved ☐ Rejected

Management Method(s): ☑ Landfill ☐ Solidification ☐ Bioremediation ☐ Deep Well ☐ Transfer Facility

Problematic Special Waste according to Republic? ☐ Yes ☑ No

If yes, which one?

Approved by Special Waste Review Committee? ☐ Yes ☐ No ☑ Not Applicable

Precautions, Conditions or Limitations on Approval

Friable Asbestos must be packaged, labeled and shipped in accordance with all applicable federal, state and local regulations.

Special Waste Analyst Signature: _____ **Name (Printed):** KEITH DIAMANTI

Date: 6/11/2020

III. Facility Decision: ☑ Approved ☐ Rejected

Precautions, Conditions or Limitations on Approval

By signing below, the General Manager or Designee agrees that a fully executed Special Waste Service Agreement is on file for this profile and that the special waste file is complete.

General Manager or Designee: _____ **Name (Printed):** jeff sichmeller

Date: 6/11/2020

AGENT SPECIAL WASTE SERVICE AGREEMENT
NON-HAZARDOUS WASTES

REPUBLIC SERVICES

Special Waste Profile Number: **4178 20 7530**

Agent Billing Information		**Republic Waste Location (Company)**
Name:	Construction Group Int	Regional Disposal Company
Address:	19407 144th Ave NE Bldg.D	4178 Roosevelt Regional MSW LF WA
		500 Roosevelt Grade Road
City:	Woodinville	Roosevelt WA 99356
State:	WA Zip: 98201	
Phone:	425-487-2618 Fax:	
Contact:	Mark Marcell	

Project: Niki Lexi LLC **County and State of Origin:** King, WA

Generator Address: 29805 Pacific Hwy S Federal Way

Additional Information:

1. **Special Waste Service**. Subject to the terms and conditions contained herein, the Company and the Agent agree to be legally bound hereby and the Company agrees to accept at its Facility, Acceptable Waste (hereinafter referred to as "Special Waste" or "Waste") delivered by Agent, and which is acceptable to the Company as herein provided.
2. **Acceptable Waste**. Only those Special Wastes described in Paragraph 3 herein and in any Special Waste Profile(s) which number is identical to the contract number referenced above, and which Profile(s) are hereby incorporated by reference herein, and which Waste is subsequently approved by the Company and is otherwise in accordance with all laws, regulations and permits, shall be acceptable for disposal at the Facility ("Acceptable Waste").
3. (A) **Rates for Disposal**:

Waste	Disposal Method	Disposal Rate:	Fees / Taxes / Misc.	Transportation
Asbestos	Landfill	$1450.00 per 20ft container for 15 tons. Over 15 will be $100.00 per ton	Washington State refuse tax 3.6% 10.1% chassis rental	NA
		Includes 2 liners		

Additional Information: *** This profile will expire on June 9, 2021***

Agent shall also be liable for all taxes, fees, or other charges imposed by federal, state, local or provincial laws and regulations.
Cannot Exceed Daily Volume of N/A Without Prior Approval of Company.

(B) **Incorporation by Reference**. In addition to Special Waste Profile(s), the following documents are incorporated by reference into this Agreement as if fully set forth herein.

1) Bill of Lading TB-7530

2)

4. **Term of Agreement**. This Agreement is effective for 12 months, commencing 6/10/2020 and shall automatically be renewed for a similar term thereafter unless either party shall give written notice (via certified mail) of termination to the other party at least thirty (30) days prior written notice.

THE COMPANY AND THE AGENT, IN CONSIDERATION OF THE MUTUAL OBLIGATIONS CONTAINED HEREIN, AGREE THAT THIS IS A LEGALLY BINDING AGREEMENT WHICH IS SUBJECT TO THE TERMS AND CONDITIONS SET FORTH ON THIS PAGE AND ON THE REVERSE SIDE OF THIS DOCUMENT. IN ADDITION, THE AGENT IS CERTIFYING THE ATTACHED TERMS AND CONDITIONS HAVE BEEN REVIEWED AND INITIALLED AT THE BOTTOM OF THE PAGE.

AGENT

Mark Marcell
SIGNATURE (AUTHORIZED REPRESENTATIVE)

MARK MARCELL, President
NAME AND TITLE (PLEASE PRINT)

6/11/2020
DATE

REPUBLIC SERVICES, INC/COMPANY

Teresa Dillashaw
SIGNATURE (AUTHORIZED REPRESENTATIVE)

Teresa Dillashaw SW Sales
NAME AND TITLE (PLEASE PRINT)

6/11/2020
DATE

Terms and Conditions of Agent Special Waste Service Agreement

5. The Agreement. This agreement of the parties ("Agreement") for the disposal of Special Waste shall consist of this Agreement, riders to the Agreement (if any) and any Application, permit and approval that may be applicable to such Waste.

6. Waste Accepted at Facility. Agent represents, warrants and covenants that the Waste delivered to Company at its Facility hereunder will be Acceptable Waste and will not contain any unacceptable quantity of hazardous materials or substances, radioactive materials or substances, or toxic waste or substances, as defined by applicable federal, state, local or provincial laws or regulations. Any Waste which does not meet these requirements shall hereinafter be referred to as "Unacceptable Waste". The Agent shall in all matters relating to the collection, transportation and disposal of the Waste hereunder, comply with all applicable federal, state and local laws, regulations, rules and orders regarding the same. The word "Facility" shall mean any landfill, transfer station or other location used to transfer, process or otherwise dispose of such Waste.

7. Special Waste. Agent represents, warrants and covenants that the Waste delivered to Company hereunder (i) will not contain any Special Waste that is not specifically described on any Application which is attached hereto and which is subsequently approved by the Company, (ii) will meet the material description as set forth in any Application and otherwise in all significant respects and (iii) will not contain Unacceptable Waste. The parties may incorporate additional Special Waste as part of this Agreement if prior to delivery of such Waste to Company, Agent has provided an Application for such Waste and Company has approved disposal of such Waste within the limitations and conditions contained in Company's written notice of approval of Special Waste. Title to any and all Waste handled or disposed of by Company shall at all times remain with Generator and Agent.

8. Rights of Refusal/Rejection. The Agent shall inspect all Waste at the place(s) of collection and shall remove any and all Unacceptable Waste. Company has the right to refuse, or to reject after acceptance, any load(s) of Waste(s) delivered to its Facility including if the Company believes the Agent has breached (or is breaching) its representations, warranties, covenants or agreements hereunder, or any applicable federal, state or local laws, regulations, rules or orders, even if only a portion of such Waste load is unacceptable. The Company shall have the right to inspect all vehicles or Waste haulers, including the Agent's vehicles, in order to determine whether the Waste is Acceptable Waste or Unacceptable Waste pursuant to this Agreement and all applicable federal, state and local laws, rules and regulations. The Company's exercise, or failure to exercise, its rights hereunder shall not operate to relieve the Agent of its responsibilities or liability under this Agreement. The Agent shall be responsible for, and bear all reasonable expenses and damages incurred by the Company, as a result of the Unacceptable Waste and in the reloading and removal of Unacceptable Waste deposed in the Facility. The Company, may also, in its sole discretion, require the Agent to promptly remove the Unacceptable Waste.

9. Limited License to Enter. This Agreement provides Agent with a license to enter the Facility for the limited purpose of, and only to the extent necessary for, off-loading Acceptable Waste at the Facility in the manner directed by Company. Except in an emergency, Agent's personnel shall not leave the immediate vicinity of their vehicle. After off-loading the Waste, Agent's personnel shall promptly leave the Facility. Under no circumstances shall Agent or its personnel engage in any scavenging of Waste or other materials at the Facility. The Company reserves the right to make and enforce reasonable rules and regulations concerning the operation of the Facility, the conduct of the drivers and others on the Facility premises, quantities and sources of Waste, and any other matters necessary or desirable for the safe, legal and efficient operation of the Facility including, but not limited to, speed limits on haul roads imposed by the Company, and the wearing of hard hats and other personal protection equipment by all individuals allowed on the Facility premises. Agent agrees to conform to such rules and regulations as they may be established and amended from time to time. Company may refuse to accept Waste from and shall deny an entrance license to, any of Agent's personnel whom Company believes is under the influence of alcohol or other chemical substances. Agent shall be solely responsible for its employees and subcontractors performing their obligations in a safe manner when at the facility of Company.

10. Charges and Payment. Payment shall be made by Agent within thirty (30) days after receipt of invoice from Company. In the event that any amount is overdue, the Company may terminate this Agreement. Agent agrees to pay a finance charge equal to the maximum interest rate permitted by law. Agent shall be liable for all taxes, fees, or other charges imposed upon the disposal of the Waste by federal, state, local or provincial laws and regulations. Company, from time to time, may modify its rates upon thirty (30) days written notice to Agent. Agent hereby agrees that the Company's right to receive payments under this Agreement is unconditional and is not conditioned upon Agent first receiving payment from Generator or any other party.

11. Termination. Agent's obligations, representations, warranties and covenants regarding the Waste delivered and all indemnities shall survive termination of this Agreement. Should Agent materially default in any of its obligations hereunder, then Company may immediately terminate this Agreement and Agent shall be liable for all costs and damages incurred by the Company.

12. Driver's Knowledge and Authority. Agent represents, warrants and covenants that its drivers who deliver Waste to Company's Facility have been advised by Agent of the Company's prohibition on deliveries of hazardous materials or substances, radioactive materials or substances, or toxic waste or substances or any other Unacceptable Waste to the Facility, of Company's restrictions on deliveries of Special Waste to the Facility of the definitions of "Hazardous Waste and Hazardous Substances" as provided by applicable federal, state and local law, rules and regulations and "Special Waste" as provided herein, and of the terms of this license to enter Company's Facility.

13. Indemnification. Agent shall indemnify, defend and hold harmless the Company and its subsidiaries, affiliates and parent corporations, as applicable and their respective officers, directors, lenders, employees, subcontractors and agents from and against any and all claims, suits, losses, liabilities, assessments, damages, fines, costs and expenses, including reasonable attorneys fees arising under federal, state or local laws, regulations or ordinances, or relating to the content of the Waste, or arising out of or in connection with any breach of this Agreement or arising out of the negligent collection, transportation and disposal of Waste by Agent or Agent's employees, agents, subcontractors or representatives thereof. Agent shall also be responsible for increased inspection, testing, study and analysis costs made necessary due to reasonable concerns of the Company as to the content of the Waste following discovery of potentially Unacceptable Waste. This indemnification and other obligations stated in this paragraph shall survive the termination of this Agreement.

14. Insurance. Agent shall maintain in full force and effect throughout the term of this Agreement the following types of insurance in at least the amounts specified below:

Coverages	Minimum Amounts of Insurance
Worker's Compensation	Statutory
General Liability	$500,000 combined single limit
Automobile Liability	$500,000 combined single limit

All insurance will be by insurers authorized to do business in the state in which the Facility is located. Prior to Agent being allowed on Facility premises, Agent shall provide the Company with certificates of insurance or other satisfactory evidence that such insurance has been procured and is in force. Said policies shall not thereafter be canceled, be permitted to expire, or be changed without thirty (30) days advance written notice to the Company. Agent warrants that it will secure the above minimum amounts of insurance from any transportation of the Waste to the Facility.

15. Failure to Perform. Neither party hereto shall be liable for its failure to perform hereunder due to circumstances not its fault and beyond its reasonable control, including, but not limited to, strikes or other labor disputes, riots, protests, civil disturbances or sabotage, changes in law, fines, floods, compliance with government requests, explosions, accidents, weather, lack of required natural resources, or acts of God affecting either party hereto. In the event of any of the circumstances provided for in the preceding sentence, including, but not limited, to whether any federal, state or local court or governmental authority takes any action which would (i) close or restrict operations at the Facility, (ii) limit the quantity or prohibit the disposal of Waste at the Facility, or (iii) limit the ability of or prohibit Agent from delivering Waste to the Facility, the Company shall have the right, at its option, to reduce, suspend or terminate Agent's access to the Facility immediately, without prior notice and without any additional liabilities between the parties, other than Agent's payment obligation hereunder. Neither Party is required hereunder to settle any labor dispute against its own best judgment.

16. Other Termination. The occurrence of any of the following events shall also constitute an event of default by the Agent and shall give the Company the right to immediately terminate this Agreement:

(A) A petition for reorganization or bankruptcy filed by or against the Agent.

(B) Failure by Agent to pay any amounts due to Company.

(C) Any breach by Agent of any of its obligations pursuant to the Agreement.

Agent shall be liable for and shall indemnify, defend and hold harmless Company from any losses, claims expenses or damages incurred by the Company as a result of termination hereunder.

17. Assignment. Agent may not assign, transfer or otherwise vest in any other Company, entity or person, in whole or in part, any of its rights or obligations under the Agreement without the prior written consent of the Company, provided, however, that the Company may without any such prior written consent, assign its rights and/or obligations under the Agreement to a subsidiary or affiliate corporation.

18. Right of Disposal. This Agreement does not grant any rights to dispose of Waste other than in accordance herewith. The Company reserves the right to immediately terminate access to the Facility by Agent and Agent's personnel in the event of breach or violation by Agent of any of the terms of this Agreement, the Company's operating rules or payment policies or any applicable laws or regulations.

19. Continuing Compliance. The Agent has a continuing obligation to inform the Company of any new information, or information not previously provided to the Company by Agent and/or Generator which may affect the acceptability of the Waste by the Company. Further, the Agent shall comply with all Company requests for evidence of Agent's continuing compliance with the terms of the Agreement including but not limited to the following: (i) providing new, updated Waste profiles on the Waste(s) offered for disposal or, (ii) providing appropriate certification that the Waste being offered for disposal is accurately reflected by the appropriate Application or, (iii) re-sample the Waste at Agent's expense if reasonable cause exists as to its acceptability under the terms of the Agreement or, (iv) allow the Company to re-sample the Waste at Agent's expense if reasonable cause exists as to its acceptability under the terms of this Agreement or (v) all of the above.

20. Miscellaneous.

(A) This Agreement shall be governed by the laws of the State in which the Facility is located.

(B) No waiver of a breach of any of the obligations contained in the Agreement shall be construed to be a waiver of any prior or succeeding breach of the same obligation or of any other obligation of this Agreement.

(C) No modification, release, discharge or waiver of any provision or obligation hereof shall be of any force, or effect, unless in writing signed by all parties to this Agreement.

(D) Agent shall treat as confidential and not disclose to others during or subsequent to the terms of this Agreement, except as is necessary to perform this Agreement, or to comply with any applicable law or regulation any information (including any technical information, experience or data) regarding the Company's plans, programs, plants, processes, products, costs, equipment or operations which may come within the knowledge of the Agent or its employees in the performance of this Agreement, without in each instance securing the prior written consent of the other Company.

(E) If any term, phrase, obligation or provision of this Agreement shall be held to be invalid, illegal or unenforceable in any respect, this Agreement shall remain in effect and be construed without regard to such term, phrase, obligation or provision.

(F) This Agreement constitutes the entire understanding between the parties, replacing and amending any prior agreements between the parties, and shall be binding upon all parties hereto, their successors, heirs, representatives and assigns. Any provision, term or condition in any acknowledgement, purchase order or other response by Agent which is in addition to or different from the provisions of this Agreement shall be deemed objected to by the Company and shall be of no effect.

(G) Agent represents, warrants and covenants that it is and during the term of this Agreement, will remain, in compliance with and will perform its obligations pursuant to all applicable laws and regulations and shall indemnify, defend and hold harmless the Company from any breach thereof.

(H) It is the understanding and agreement of the parties that the Company is an independent contractor, and is not an agent, nor an authorized representative of the Agent. It is the further understanding and agreement of the parties that Agent is an authorized representative of Generator.

21. Notices. All notices herein provided for shall be considered as having been given upon being placed in the mail, certified postage prepaid addressed to the Company or Agent at the address herein set forth in this Agreement or to such other address as may be given to the other party in writing.

22. Liquidated Damages. In the event that this Agreement is terminated by the Agent in a manner not in accordance with paragraph 4 hereof, or terminated due to a breach of this Agreement by the Agent, the Agent shall pay, as liquidated damages, and not as a penalty, the greater of an amount equal to six (6) months' service charges or the Agent's most recent monthly charge multiplied by six (6). The Agent shall be given credit for any advance payments made hereunder, however, in computing the amount owed as liquidated damages hereunder. The Agent acknowledges that this liquidated damages clause is reasonable and is applicable to recover damages related to its investment in equipment, development of landfills and hiring of employees undertaken by the Company to service its customers including the Agent. This liquidated damages clause in no way relieves the Agent from its obligations and liability for other cost or damages as set forth elsewhere in this Agreement.

AGENT: _____ REPUBLIC SERVICE/COMPANY: Teresa DeKoster

May 2009

Special Waste Profile

REPUBLIC SERVICES

Disposal Facility: 4178 Roosevelt Regional MSW Landfill WA

Waste Profile #: 4178 20 7530

Sales Rep #: 251 - Teresa Dillashaw

I. Generator Information

Generator Name: NIKLEXI LLC

Generator Site Address: 29805 Pacific Hwy S.

City: Federal Way | County: King | State: Washington | Zip: 98003

State ID/Reg No: | State Approval/Waste Code: | NAICS #:

Generator Mailing Address ☐ (if different): 627 E. Francis Ave.

City: Spokane | County: | State: Washington | Zip: 98208

Generator Contact Name: Curt Nelson | Email:

Phone Number: 509-995-5965 | Ext: | Fax Number:

II. Billing Information

Bill To: Const. Grp. Int'l LLC | Contact Name: Mark Marcell

Billing Address: 19407 144th Ave. NE | Email: markm@cgius.net

City: Woodinville | State: Washington | Zip: 98072 | Phone: 425-487-2618

III. Waste Stream Information

Name of Waste: friable asbestos in soil

Process Generating Waste: asbestos containing demolition debris in soil

Type of Waste: Pollution Control Waste | Physical State: Solid | Method of Shipment: Bulk

Estimated Volume: 200 | Volume Type: Cubic Yards

Frequency: One-time Event (single project) | Disposal Consideration: Landfill

IV. Representative Sample Certification

☐ No Sample Taken

☑ Sample Taken Type of Sample: Grab Sample

Is the representative sample collected to prepare this profile and laboratory analysis, collected in accordance with U.S. EPA 40 CFR 261.20(c) guidelines or equivalent? ☑ Yes ☐ No

Sample Date: 6/4/20

Sample ID Numbers or SDS: Federal Way N. Side (4'), Federal Way W. Side (4'), Federal Way S. Side (4'), Federal Way E. Side (4'), Federal Way Base (7.5'), Sewer SEC Base (7.5'), Sewer SEC S. Side (4'), Sewer SEC N. Side (4'), Sewer SEC W. Side (4') and Sewer SEC E. Side (4')

Remember to attach Laboratory Analytical Report (and/or Material Safety Data Sheet) including Chain of Custody and required parameters provided for this profile.

Special Waste Profile

REPUBLIC SERVICES

V. Physical Characteristics of Waste

Characteristic Components (must equal 100%:)	% By Weight (out of 100% - ranges acceptable):
1. soil with asbestos	95
2. demolition debris	5
3.	
4.	
5.	

Color:	Odor (describe):	Does Waste Contain Free Liquids?	% Solids:	pH:	Flash Point:
brown	none	☐ Yes ☑ No	100	NA	NA °F

Attach Laboratory Analytical Report (and/or Material Safety Data Sheet) including Chain of Custody and required parameters provided for this profile.

RCRA Regulatory Questions

1. Does this waste or generating process contain regulated concentrations of the following Pesticides and/ or Herbicides: Chlordane, Endrin, Heptachlor (and its epoxides), Lindane, Methoxychlor, Toxaphene, 2,4-D, or 2,4,5-TP Silvex as defined in 40 CFR 261.33?	☐ Yes ☑ No
2. Does this waste contain reactive sulfides (greater than 500 ppm) or reactive cyanide (greater than 250 ppm) [reference 40 CFR 261.23(a)(5)]?	☐ Yes ☑ No
3. Does this waste contain regulated concentrations of Polychlorinated Biphenyls (PCBs) as defined in 40 CFR Part 761?	☐ Yes ☑ No
4. Does this waste contain concentrations of listed hazardous wastes defined in 40 CFR 261.31, 261.32, 261.33, including RCRA F-Listed Solvents?	☐ Yes ☑ No
5. Has this waste been delisted under 40 CFR 260.20 and 260.22? If yes, attach the final decision to delist the waste as published in the Federal Register.	☐ Yes ☑ No
6. Does this waste exhibit a Hazardous Characteristic as defined by Federal and/or State regulations? If Yes, identify the applicable waste code and specify if the waste is hazardous as defined by Federal, State or both?	☐ Yes ☑ No
7. Does this waste contain regulated concentrations of 2,3,7,8-Tetrachlorodibenzodioxin (2,3,7,8-TCDD), or any other dioxin as defined in 40 CFR 261.31?	☐ Yes ☑ No
8. Is this a regulated Medical or Infectious Waste as defined by Federal and/or State regulations?	☐ Yes ☑ No
9. Is this a regulated Radioactive Waste as defined by Federal and/or State regulations?	☐ Yes ☑ No
10. Is this a solid waste that is not a hazardous waste in accordance with 40 CFR 261.4(b)? If yes, please provide the corresponding regulatory citation.	☐ Yes ☑ No

Republic Services Waste Handling Questions

1. Does this waste generate heat or react when contacted with water/moisture?	☐ Yes ☑ No
2. Does the waste contain sulfur or sulfur by-products?	☐ Yes ☑ No
3. Is this waste generated at a State or Federal Superfund cleanup site subject to regulation under CERCLA?	☐ Yes ☑ No
4a. Is this waste from a TSD facility, TSD-like facility or consolidator (i.e. multiple wastes/multiple generators)?	☐ Yes ☑ No

4b. If yes to the above question, please provide clarification.

Special Waste Profile

REPUBLIC SERVICES

VI. Certification

I hereby certify that to the best of my knowledge and belief, the information contained herein is a true, complete and accurate description of the waste material being offered for disposal and all known or suspected hazards have been disclosed. All Analytical Results/Material Safety Data Sheets submitted are truthful and complete and are representative of the waste.

I further certify that by utilizing this profile, neither myself nor any other employee of the company will deliver for disposal or attempt to deliver for disposal any waste which is classified as toxic waste, hazardous waste or infectious waste, or any other waste material this facility is prohibited from accepting by law. I shall immediately give written notice of any change or condition pertaining to the waste not provided herein. Our company hereby agrees to fully indemnify this disposal facility against any damages resulting from this certification being inaccurate or untrue.

I understand that attaching an electronic signature, I am signing this document, consent to complete this transaction and receive all related communication electronically, and agree this document will be binding as though I had physically signed it. A printout of this document may be accepted with the same authority as the original.

If electronic signature is preferred, please submit completed (unsigned) form to your Special Waste Coordinator or Special Waste Sales Executive to initiate signature process.

I further certify that the company has not altered the form or content of this profile sheet as provided by Republic Services.

Curtis Nelson	President	NIKLEXI LLC
Authorized Representative Name (Printed)	Title (Printed)	Company Name
Representative Signature		6-9-20
		Date

eurofins | EMLab P&K

Report for:

Tim Crump, Kristi Destouet
TGE Resources, Inc
8048 Northcourt Road
Houston, TX 77040

Regarding: Project: R13411.07; Federal Way, WA
EML ID: 2417869

Approved by:

Approved Signatory
Gregorio Delgado

Dates of Analysis:
Asbestos PLM: 06-05-2020

Service SOPs: Asbestos PLM (EPA 40CFR App E to Sub E of Part 763 & EPA METHOD 600/R-93-116, SOP EM-AS-S-1267)
NVLAP Lab Code 600122-0

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. The results relate only to the samples as received. The results include an inherent uncertainty of measurement associated with estimating percentages by polarized light microscopy. Measurement uncertainty data for sample results with >1% asbestos concentration can be provided when requested.

Eurofins EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Eurofins EMLab P&K
10900 Brittmoore Park Drive, Suite G, Houston, TX 77041
(800) 651-4802 Fax (623) 780-7695 www.emlab.com

Client: TGE Resources, Inc
C/O: Tim Crump, Kristi Destouet
Re: R13411.07; Federal Way, WA

Date of Sampling: 06-04-2020
Date of Receipt: 06-05-2020
Date of Report: 06-05-2020

ASBESTOS PLM REPORT

Total Samples Submitted:	25
Total Samples Analyzed:	25
Total Samples with Layer Asbestos Content > 1%:	1

Location: 01, Federal Way- White Drywall Material Lab ID-Version‡: 11530486-1

Sample Layers	Asbestos Content
White Drywall	ND
Sample Composite Homogeneity:	Good

Location: 02, Federal Way- White Drywall Material Lab ID-Version‡: 11530487-1

Sample Layers	Asbestos Content
White Drywall	ND
Sample Composite Homogeneity:	Good

Location: 03, Federal Way- White Drywall Material Lab ID-Version‡: 11530488-1

Sample Layers	Asbestos Content
White Drywall	ND
Sample Composite Homogeneity:	Good

Location: 04, Federal Way- Pliable Strip Lab ID-Version‡: 11530489-1

Sample Layers	Asbestos Content
Tan Non-Fibrous Material	ND
Sample Composite Homogeneity:	Good

Location: 05, Federal Way- Pliable Strip Lab ID-Version‡: 11530490-1

Sample Layers	Asbestos Content
Semi-Transparent Non-Fibrous Material	ND
Sample Composite Homogeneity:	Good

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by any agency of the federal government. Eurofins EMLab P&K reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

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C/O: Tim Crump, Kristi Destouet
Re: R13411.07; Federal Way, WA

Date of Sampling: 06-04-2020
Date of Receipt: 06-05-2020
Date of Report: 06-05-2020

ASBESTOS PLM REPORT

Location: 06, Federal Way- Blue Painted Material/Black Tar Lab ID-Version‡: 11530491-1

Sample Layers	Asbestos Content
Black Tar with Multilayered Paint	ND
Sample Composite Homogeneity:	Poor

Location: 07, Federal Way- Blue Painted Material/Black Tar Lab ID-Version‡: 11530492-1

Sample Layers	Asbestos Content
Black Tar with Multilayered Paint	ND
Sample Composite Homogeneity:	Poor

Location: 08, Federal Way- Blue Painted Material/Black Tar Lab ID-Version‡: 11530493-1

Sample Layers	Asbestos Content
Black Tar with Multilayered Paint	ND
Sample Composite Homogeneity:	Poor

Location: 09, Federal Way- CMU Mortar Lab ID-Version‡: 11530494-1

Sample Layers	Asbestos Content
Dark Gray Mortar	ND
Sample Composite Homogeneity:	Good

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C/O: Tim Crump, Kristi Destouet
Re: R13411.07; Federal Way, WA

Date of Sampling: 06-04-2020
Date of Receipt: 06-05-2020
Date of Report: 06-05-2020

ASBESTOS PLM REPORT

Location: 10, Federal Way- Brick Mortar

Lab ID-Version‡: 11530495-1

Sample Layers	Asbestos Content
Dark Gray Mortar	ND
Sample Composite Homogeneity:	Good

Location: 11, Federal Way- Red Chimney Block

Lab ID-Version‡: 11530496-1

Sample Layers	Asbestos Content
Red Brick	ND
Sample Composite Homogeneity:	Good

Location: 12, Federal Way- Red Painted Wood

Lab ID-Version‡: 11530497-1

Sample Layers	Asbestos Content
Brown Wood with Red Paint	ND
Composite Non-Asbestos Content:	80% Cellulose
Sample Composite Homogeneity:	Moderate

Location: 13, Federal Way- White Painted Wood

Lab ID-Version‡: 11530498-1

Sample Layers	Asbestos Content
Brown Wood with White Paint	ND
Composite Non-Asbestos Content:	80% Cellulose
Sample Composite Homogeneity:	Moderate

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Client: TGE Resources, Inc
C/O: Tim Crump, Kristi Destouet
Re: R13411.07; Federal Way, WA

Date of Sampling: 06-04-2020
Date of Receipt: 06-05-2020
Date of Report: 06-05-2020

ASBESTOS PLM REPORT

Location: 14, Federal Way- Layered Material Lab ID-Version‡: 11530499-1

Sample Layers	Asbestos Content
White Non-Fibrous Material	ND
Gray/Black Non-Fibrous Material	ND
White Non-Fibrous Material	ND
Sample Composite Homogeneity:	Poor

Location: 15, Federal Way- Layered Material Lab ID-Version‡: 11530500-1

Sample Layers	Asbestos Content
White Non-Fibrous Material	ND
Cream Non-Fibrous Material	ND
Sample Composite Homogeneity:	Poor

Location: 16, Federal Way- Layered Material Lab ID-Version‡: 11530501-1

Sample Layers	Asbestos Content
White Non-Fibrous Material	ND
Cream Non-Fibrous Material	ND
Sample Composite Homogeneity:	Poor

Location: 17, Federal Way- Insulation Lab ID-Version‡: 11530502-1

Sample Layers	Asbestos Content
Brown Insulation	ND
Composite Non-Asbestos Content:	90% Glass Fibers
Sample Composite Homogeneity:	Good

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Client: TGE Resources, Inc
C/O: Tim Crump, Kristi Destouet
Re: R13411.07; Federal Way, WA

Date of Sampling: 06-04-2020
Date of Receipt: 06-05-2020
Date of Report: 06-05-2020

ASBESTOS PLM REPORT

Location: 18, Federal Way- Insulation

Lab ID-Version‡: 11530503-1

Sample Layers	Asbestos Content
Brown Insulation	ND
Composite Non-Asbestos Content:	90% Glass Fibers
Sample Composite Homogeneity:	Good

Location: 19, Federal Way- Insulation

Lab ID-Version‡: 11530504-1

Sample Layers	Asbestos Content
Brown Insulation	ND
Composite Non-Asbestos Content:	90% Glass Fibers
Sample Composite Homogeneity:	Good

Location: 20, Federal Way- Chimney Contents

Lab ID-Version‡: 11530505-1

Sample Layers	Asbestos Content
Gray Compound	ND
Sample Composite Homogeneity:	Good

Location: 21, Federal Way/N. Side (4')- Soil Material

Lab ID-Version‡: 11530506-1

Sample Layers	Asbestos Content
Dark Brown Soil	2% Amosite
White Fibrous Material	90% Amosite
Composite Non-Asbestos Content:	5% Cellulose 2% Glass Fibers
Sample Composite Homogeneity:	Poor

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‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

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Client: TGE Resources, Inc
C/O: Tim Crump, Kristi Destouet
Re: R13411.07; Federal Way, WA

Date of Sampling: 06-04-2020
Date of Receipt: 06-05-2020
Date of Report: 06-05-2020

ASBESTOS PLM REPORT

Location: 22, Federal Way/W. Side (4')- Soil Material Lab ID-Version‡: 11530507-1

Sample Layers	Asbestos Content
Dark Brown Soil	ND
Composite Non-Asbestos Content:	5% Cellulose 2% Glass Fibers
Sample Composite Homogeneity:	Poor

Location: 23, Federal Way/S. Side (4')- Soil Material Lab ID-Version‡: 11530508-1

Sample Layers	Asbestos Content
Dark Brown Soil	ND
Composite Non-Asbestos Content:	5% Cellulose 2% Glass Fibers
Sample Composite Homogeneity:	Poor

Location: 24, Federal Way/E. Side (4')- Soil Material Lab ID-Version‡: 11530509-1

Sample Layers	Asbestos Content
Dark Brown Soil	ND
Composite Non-Asbestos Content:	5% Cellulose 2% Glass Fibers
Sample Composite Homogeneity:	Poor

Location: 25, Federal Way/Base (7.5')- Soil Material Lab ID-Version‡: 11530510-1

Sample Layers	Asbestos Content
Dark Brown Soil	< 1% Chrysotile
Composite Non-Asbestos Content:	5% Cellulose 2% Glass Fibers
Sample Composite Homogeneity:	Poor

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‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

TGE RESOURCES, INC.
8048 Northcourt Road
Houston, Texas 77040
713-744-5800

Samples Relinquished By:		Date:	06/05/20
Samples Received By:	Diana Tang	Date:	6/5/20 922
Samples Relinquished By:		Date:	
Samples Received By:		Date:	

Project / PO Number: R1341.07 / T266
Client: MHS
Project Name and Location: Federal Way, WA
Samples Collected By: Tim Schmidt

CHAIN-OF-CUSTODY
Date Collected: 06/04/20
Laboratory Turnaround Time (circle/bold): (24) 48 72 STD

002417869

SAME DAY

First Positive Stop ☐ (check if yes)

SAMPLE NO.	SAMPLE LOCATION	M, S, T*	W, C, F**	MATERIAL SAMPLED***	ESTIMATED SIZE (sq. ft., ln. ft.)	FRIABLE (Yes/No)	DAMAGED (Yes/No)
01	Federal Way	M	–	White Drywall Material	–	Y (N)	Y (N)
02	Federal Way	M	–	White Drywall Material	–	Y (N)	Y (N)
03	Federal Way	M	–	White Drywall Material	–	Y (N)	Y (N)
04	Federal Way	M	–	Pliable Strip	–	Y (N)	Y (N)
05	Federal Way	M	–	Plastic Strip	–	Y (N)	(Y) N
06	Federal Way	M	–	Blue Painted Material/Black Tar	–	Y (N)	Y (N)
07	Federal Way	M	–	Blue Painted Material/Black Tar	–	Y (N)	Y (N)
08	Federal Way	M	–	Blue Painted Material/Black Tar	–	Y (N)	Y (N)
09	Federal Way	M	–	CMU Mortar	–	Y (N)	(Y) N
10	Federal Way	M	–	Brick Mortar	–	Y (N)	Y (N)
11	Federal Way	M	–	Red Chimney Brick	–	Y (N)	Y (N)
12	Federal Way	M	–	Red Painted Wood	–	Y (N)	Y (N)
13	Federal Way	M	–	White Painted Wood	–	Y (N)	Y (N)
14	Federal Way	M	–	Layered Material	–	Y (N)	Y (N)

* M - Miscellaneous, S - Surfacing, T- Thermal System Insulation
** Wall (W), Ceiling (C), Flooring (F)
*** Wallboard (WB), Joint Compound (JC), Ceiling Tile (CT), Cove Base (CB), Carpet Mastic (CM)

TGE RESOURCES, INC.
8048 Northcourt Road
Houston, Texas 77040
713-744-5800

Samples Relinquished By:		Date:	06/05/20
Samples Received By:	D. Munar	Date:	6/5/20 922
Samples Relinquished By:		Date:	
Samples Received By:		Date:	

Project / PO Number: R1341.02 / [redacted]
Client: MHS
Project Name and Location: Federal Way, WA
Samples Collected By: Tim Crump

CHAIN-OF-CUSTODY
Date Collected: 06/04/20
Laboratory Turnaround Time (circle/bold): 24 48 72 STD

002417869

SAME DAY

First Positive Stop ☐ (check if yes)

SAMPLE NO.	SAMPLE LOCATION	M, S, T*	W, C, F**	MATERIAL SAMPLED***	ESTIMATED SIZE (sq. ft., ln. ft.)	FRIABLE (Yes/No)	DAMAGED (Yes/No)
15	Federal Way	M	–	Layered Material	–	Y N	Y N
16	Federal Way	M	–	Layered Material	–	Y N	Y N
17	Federal Way	T	–	Insulation	–	Y N	Y N
18	Federal Way	T	–	Insulation	–	Y N	Y N
19	Federal Way	T	–	Insulation	–	Y N	Y N
20	Federal Way	M	–	Chimney Contents	–	Y N	Y N
21	Federal Way / N. Side (4')	M	–	Soil Material	–	Y N	Y N
22	Federal Way / W. Side (4')	M	–	Soil Material	–	Y N	Y N
23	Federal Way / S. Side (4')	M	–	Soil Material	–	Y N	Y N
24	Federal Way / E. Side (4')	M	–	Soil Material	–	Y N	Y N
25	Federal Way / Base (25')	M	–	Soil Material	–	Y N	Y N
						Y N	Y N
						Y N	Y N
						Y N	Y N

* M - Miscellaneous, S - Surfacing, T- Thermal System Insulation
** Wall (W), Ceiling (C), Flooring (F)
*** Wallboard (WB), Joint Compound (JC), Ceiling Tile (CT), Cove Base (CB), Carpet Mastic (CM)

ANALYTICAL REPORT

June 05, 2020

TGE Resources

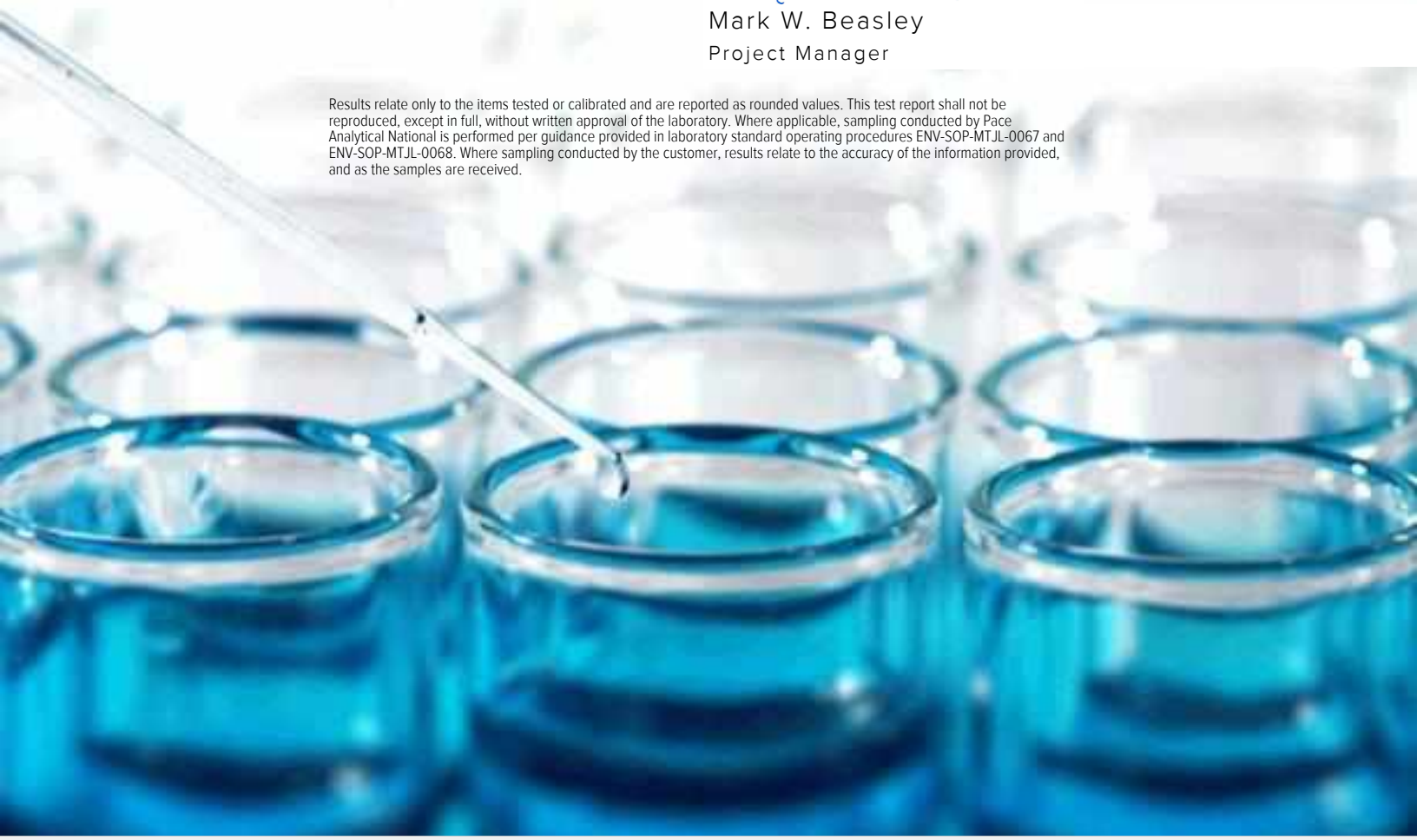
Sample Delivery Group:	L1225705
Samples Received:	06/05/2020
Project Number:	R1341106
Description:	Future Federal Way Emergency Center

Report To: Kristi Barnette
8048 Northcourt Road
Houston, TX 77040

Entire Report Reviewed By:

Mark W. Beasley
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



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SEWER SEC BASE (7.5) L1225705-01 Solid

Collected by: K Barnette | Collected date/time: 06/04/20 13:50 | Received date/time: 06/05/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1487701	1	06/05/20 10:21	06/05/20 10:30	KBC	Mt. Juliet, TN
Mercury by Method 7471A	WG1487771	1	06/05/20 11:58	06/05/20 13:12	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1487779	1	06/05/20 12:07	06/05/20 13:59	TRB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1487780	25	06/04/20 13:50	06/05/20 13:57	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1487490	1	06/04/20 13:50	06/05/20 10:57	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1487837	1	06/05/20 10:28	06/05/20 14:37	CLG	Mt. Juliet, TN

SEWER SEC S. SIDE (4') L1225705-02 Solid

Collected by: K Barnette | Collected date/time: 06/04/20 13:55 | Received date/time: 06/05/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1487701	1	06/05/20 10:21	06/05/20 10:30	KBC	Mt. Juliet, TN
Mercury by Method 7471A	WG1487771	1	06/05/20 11:58	06/05/20 13:36	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1487779	1	06/05/20 12:07	06/05/20 13:47	TRB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1487780	25	06/04/20 13:55	06/05/20 14:17	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1487490	1	06/04/20 13:55	06/05/20 11:17	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1487837	100	06/05/20 10:28	06/05/20 15:29	CLG	Mt. Juliet, TN

SEWER SEC N. SIDE (4') L1225705-03 Solid

Collected by: K Barnette | Collected date/time: 06/04/20 14:00 | Received date/time: 06/05/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1487701	1	06/05/20 10:21	06/05/20 10:30	KBC	Mt. Juliet, TN
Mercury by Method 7471A	WG1487771	1	06/05/20 11:58	06/05/20 13:15	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1487779	1	06/05/20 12:07	06/05/20 14:02	TRB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1487780	25	06/04/20 14:00	06/05/20 14:38	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1487490	1.13	06/04/20 14:00	06/05/20 11:36	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1487837	2	06/05/20 10:28	06/05/20 14:50	CLG	Mt. Juliet, TN

SEWER SEC W SIDE (4') L1225705-04 Solid

Collected by: K Barnette | Collected date/time: 06/04/20 14:05 | Received date/time: 06/05/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1487701	1	06/05/20 10:21	06/05/20 10:30	KBC	Mt. Juliet, TN
Mercury by Method 7471A	WG1487771	1	06/05/20 11:58	06/05/20 13:18	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1487779	1	06/05/20 12:07	06/05/20 14:04	TRB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1487780	25	06/04/20 14:05	06/05/20 14:59	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1487490	1	06/04/20 14:05	06/05/20 11:56	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1487837	20	06/05/20 10:28	06/05/20 15:16	CLG	Mt. Juliet, TN

SEWER SEC E SIDE (4') L1225705-05 Solid

Collected by: K Barnette | Collected date/time: 06/04/20 14:10 | Received date/time: 06/05/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1487701	1	06/05/20 10:21	06/05/20 10:30	KBC	Mt. Juliet, TN
Mercury by Method 7471A	WG1487771	1	06/05/20 11:58	06/05/20 13:20	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1487779	1	06/05/20 12:07	06/05/20 13:34	TRB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1487780	25	06/04/20 14:10	06/05/20 15:19	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1487490	1	06/04/20 14:10	06/05/20 12:16	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1487837	2	06/05/20 10:28	06/05/20 15:03	CLG	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Mark W. Beasley
Project Manager

This data package consists of this signature page, the laboratory review checklist, and the following reportable data as applicable:

R1 - Field chain-of-custody documentation;

R2 - Sample identification cross-reference;

R3 - Test reports (analytical data sheets) for each environmental sample that includes:

a. Items consistent with NELAC Chapter 5,

b. dilution factors,

c. preparation methods,

d. cleanup methods, and

e. if required for the project, tentatively identified compounds (TICs).

R4 - Surrogate recovery data including:

a. Calculated recovery (%R), and

b. The laboratory's surrogate QC limits.

R5 - Test reports/summary forms for blank samples;

R6 - Test reports/summary forms for laboratory control samples (LCSs) including:

a. LCS spiking amounts,

b. Calculated %R for each analyte, and

c. The laboratory's LCS QC limits.

R7 - Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:

a. Samples associated with the MS/MSD clearly identified,

b. MS/MSD spiking amounts,

c. Concentration of each MS/MSD analyte measured in the parent and spiked samples,

d. Calculated %Rs and relative percent differences (RPDs), and

e. The laboratory's MS/MSD QC limits

R8 - Laboratory analytical duplicate (if applicable) recovery and precision:

a. The amount of analyte measured in the duplicate,

b. The calculated RPD, and

c. The laboratory's QC limits for analytical duplicates.

R9 - List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

R10 - Other problems or anomalies.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm to the best of my knowledge all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Mark W. Beasley
Project Manager

Laboratory Review Checklist: Reportable Data

Laboratory Name: Pace Analytical National	LRC Date: 06/05/2020 17:46
Project Name: Future Federal Way Emergency Center	Laboratory Job Number: L1225705-01, 02, 03, 04 and 05
Reviewer Name: Mark W. Beasley	Prep Batch Number(s): WG1487490, WG1487771, WG1487779, WG1487837, WG1487780 and WG1487701

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	Chain-of-custody (C-O-C)					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	Sample and quality control (QC) identification					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	Test reports					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?	X				
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?	X				
		If required for the project, are TICs reported?			X		
R4	O	Surrogate recovery data					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?		X			1
R5	OI	Test reports/summary forms for blank samples					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	Laboratory control samples (LCS):					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7	OI	Matrix spike (MS) and matrix spike duplicate (MSD) data					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			2
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	Analytical duplicate data					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9	OI	Method quantitation limits (MQLs):					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	Other problems/anomalies					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference effects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Supporting Data

Laboratory Name: Pace Analytical National	LRC Date: 06/05/2020 17:46
Project Name: Future Federal Way Emergency Center	Laboratory Job Number: L1225705-01, 02, 03, 04 and 05
Reviewer Name: Mark W. Beasley	Prep Batch Number(s): WG1487490, WG1487771, WG1487779, WG1487837, WG1487780 and WG1487701

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	Initial calibration (ICAL)					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB):					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	Mass spectral tuning					
		Was the appropriate compound for the method used for tuning?	X				
		Were ion abundance data within the method-required QC limits?	X				
S4	O	Internal standards (IS)					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	Raw data (NELAC Section 5.5.10)					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	Dual column confirmation					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	Tentatively identified compounds (TICs)					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	Interference Check Sample (ICS) results					
		Were percent recoveries within method QC limits?	X				
S9	I	Serial dilutions, post digestion spikes, and method of standard additions					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10	OI	Method detection limit (MDL) studies					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	Proficiency test reports					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	Standards documentation					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	Compound/analyte identification procedures					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	Demonstration of analyst competency (DOC)					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	Verification/validation documentation for methods (NELAC Chapter 5)					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	Laboratory standard operating procedures (SOPs)					
		Are laboratory SOPs current and on file for each method performed	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Reports

Laboratory Name: Pace Analytical National	LRC Date: 06/05/2020 17:46
Project Name: Future Federal Way Emergency Center	Laboratory Job Number: L1225705-01, 02, 03, 04 and 05
Reviewer Name: Mark W. Beasley	Prep Batch Number(s): WG1487490, WG1487771, WG1487779, WG1487837, WG1487780 and WG1487701

ER #[1]	Description
1	NWTPHDX-NO SGT WG1487837 o-Terphenyl L1225705-02 and 04: Percent Recovery is outside of established control limits.
2	6010D WG1487779 Lead: Percent Recovery is outside of established control limits.

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	74.7		1	06/05/2020 10:30	WG1487701

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Mercury	0.103		0.0241	0.0400	0.0535	1	06/05/2020 13:12	WG1487771

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Arsenic	11.5		0.616	2.00	2.68	1	06/05/2020 13:59	WG1487779
Barium	114		0.321	0.500	0.669	1	06/05/2020 13:59	WG1487779
Cadmium	0.592	J	0.108	0.500	0.669	1	06/05/2020 13:59	WG1487779
Chromium	21.1		0.335	1.00	1.34	1	06/05/2020 13:59	WG1487779
Lead	45.9		0.278	0.500	0.669	1	06/05/2020 13:59	WG1487779
Selenium	U		0.826	2.00	2.68	1	06/05/2020 13:59	WG1487779
Silver	U		0.305	1.00	1.34	1	06/05/2020 13:59	WG1487779

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		1.13	0.100	3.35	25	06/05/2020 13:57	WG1487780
(S) a,a,a-Trifluorotoluene(FID)	*92.5*				*77.0-120*		*06/05/2020 13:57*	WG1487780

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Acetone	U		0.0489	0.0500	0.0669	1	06/05/2020 10:57	WG1487490
Acrylonitrile	U		0.00483	0.0125	0.0167	1	06/05/2020 10:57	WG1487490
Benzene	U		0.000625	0.00100	0.00134	1	06/05/2020 10:57	WG1487490
Bromobenzene	U		0.00120	0.0125	0.0167	1	06/05/2020 10:57	WG1487490
Bromodichloromethane	U		0.000970	0.00250	0.00335	1	06/05/2020 10:57	WG1487490
Bromoform	U		0.00157	0.0250	0.0335	1	06/05/2020 10:57	WG1487490
Bromomethane	U		0.00264	0.0125	0.0167	1	06/05/2020 10:57	WG1487490
n-Butylbenzene	U		0.00703	0.0125	0.0167	1	06/05/2020 10:57	WG1487490
sec-Butylbenzene	U		0.00385	0.0125	0.0167	1	06/05/2020 10:57	WG1487490
tert-Butylbenzene	U		0.00261	0.00500	0.00669	1	06/05/2020 10:57	WG1487490
Carbon tetrachloride	U		0.00120	0.00500	0.00669	1	06/05/2020 10:57	WG1487490
Chlorobenzene	U		0.000281	0.00250	0.00335	1	06/05/2020 10:57	WG1487490
Chlorodibromomethane	U		0.000819	0.00250	0.00335	1	06/05/2020 10:57	WG1487490
Chloroethane	U		0.00228	0.00500	0.00669	1	06/05/2020 10:57	WG1487490
Chloroform	U		0.00138	0.00250	0.00335	1	06/05/2020 10:57	WG1487490
Chloromethane	U		0.00582	0.0125	0.0167	1	06/05/2020 10:57	WG1487490
2-Chlorotoluene	U		0.00116	0.00250	0.00335	1	06/05/2020 10:57	WG1487490
4-Chlorotoluene	U		0.000602	0.00500	0.00669	1	06/05/2020 10:57	WG1487490
1,2-Dibromo-3-Chloropropane	U		0.00522	0.0250	0.0335	1	06/05/2020 10:57	WG1487490
1,2-Dibromoethane	U		0.000867	0.00250	0.00335	1	06/05/2020 10:57	WG1487490
Dibromomethane	U		0.00100	0.00500	0.00669	1	06/05/2020 10:57	WG1487490
1,2-Dichlorobenzene	U		0.000569	0.00500	0.00669	1	06/05/2020 10:57	WG1487490
1,3-Dichlorobenzene	U		0.000803	0.00500	0.00669	1	06/05/2020 10:57	WG1487490
1,4-Dichlorobenzene	U		0.000937	0.00500	0.00669	1	06/05/2020 10:57	WG1487490
Dichlorodifluoromethane	U		0.00216	0.00250	0.00335	1	06/05/2020 10:57	WG1487490
1,1-Dichloroethane	U		0.000657	0.00250	0.00335	1	06/05/2020 10:57	WG1487490
1,2-Dichloroethane	U		0.000869	0.00250	0.00335	1	06/05/2020 10:57	WG1487490

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	SDL (dry) mg/kg	Unadj. MQL mg/kg	MQL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1-Dichloroethene	U		0.000811	0.00250	0.00335	1	06/05/2020 10:57	WG1487490
cis-1,2-Dichloroethene	U		0.000982	0.00250	0.00335	1	06/05/2020 10:57	WG1487490
trans-1,2-Dichloroethene	U		0.00139	0.00500	0.00669	1	06/05/2020 10:57	WG1487490
1,2-Dichloropropane	U		0.00190	0.00500	0.00669	1	06/05/2020 10:57	WG1487490
1,1-Dichloropropene	U		0.00108	0.00250	0.00335	1	06/05/2020 10:57	WG1487490
1,3-Dichloropropane	U		0.000671	0.00500	0.00669	1	06/05/2020 10:57	WG1487490
cis-1,3-Dichloropropene	U		0.00101	0.00250	0.00335	1	06/05/2020 10:57	WG1487490
trans-1,3-Dichloropropene	U		0.00153	0.00500	0.00669	1	06/05/2020 10:57	WG1487490
2,2-Dichloropropane	U		0.00185	0.00250	0.00335	1	06/05/2020 10:57	WG1487490
Di-isopropyl ether	U		0.000549	0.00100	0.00134	1	06/05/2020 10:57	WG1487490
Ethylbenzene	U		0.000986	0.00250	0.00335	1	06/05/2020 10:57	WG1487490
Hexachloro-1,3-butadiene	U		0.00803	0.0250	0.0335	1	06/05/2020 10:57	WG1487490
Isopropylbenzene	U		0.000569	0.00250	0.00335	1	06/05/2020 10:57	WG1487490
p-Isopropyltoluene	U		0.00341	0.00500	0.00669	1	06/05/2020 10:57	WG1487490
2-Butanone (MEK)	U		0.0850	0.100	0.134	1	06/05/2020 10:57	WG1487490
Methylene Chloride	U		0.00889	0.0250	0.0335	1	06/05/2020 10:57	WG1487490
4-Methyl-2-pentanone (MIBK)	U		0.00305	0.0250	0.0335	1	06/05/2020 10:57	WG1487490
Methyl tert-butyl ether	U		0.000468	0.00100	0.00134	1	06/05/2020 10:57	WG1487490
Naphthalene	U		0.00653	0.0125	0.0167	1	06/05/2020 10:57	WG1487490
n-Propylbenzene	U		0.00127	0.00500	0.00669	1	06/05/2020 10:57	WG1487490
Styrene	0.000534	J	0.000307	0.0125	0.0167	1	06/05/2020 10:57	WG1487490
1,1,1,2-Tetrachloroethane	U		0.00127	0.00250	0.00335	1	06/05/2020 10:57	WG1487490
1,1,2,2-Tetrachloroethane	U		0.000930	0.00250	0.00335	1	06/05/2020 10:57	WG1487490
1,1,2-Trichlorotrifluoroethane	U		0.00101	0.00250	0.00335	1	06/05/2020 10:57	WG1487490
Tetrachloroethene	0.00270	J	0.00120	0.00250	0.00335	1	06/05/2020 10:57	WG1487490
Toluene	U		0.00174	0.00500	0.00669	1	06/05/2020 10:57	WG1487490
1,2,3-Trichlorobenzene	U		0.00981	0.0125	0.0167	1	06/05/2020 10:57	WG1487490
1,2,4-Trichlorobenzene	U		0.00589	0.0125	0.0167	1	06/05/2020 10:57	WG1487490
1,1,1-Trichloroethane	U		0.00124	0.00250	0.00335	1	06/05/2020 10:57	WG1487490
1,1,2-Trichloroethane	U		0.000799	0.00250	0.00335	1	06/05/2020 10:57	WG1487490
Trichloroethene	U		0.000782	0.00100	0.00134	1	06/05/2020 10:57	WG1487490
Trichlorofluoromethane	U		0.00111	0.00250	0.00335	1	06/05/2020 10:57	WG1487490
1,2,3-Trichloropropane	U		0.00217	0.0125	0.0167	1	06/05/2020 10:57	WG1487490
1,2,4-Trimethylbenzene	U		0.00211	0.00500	0.00669	1	06/05/2020 10:57	WG1487490
1,2,3-Trimethylbenzene	U		0.00211	0.00500	0.00669	1	06/05/2020 10:57	WG1487490
1,3,5-Trimethylbenzene	U		0.00268	0.00500	0.00669	1	06/05/2020 10:57	WG1487490
Vinyl chloride	U		0.00155	0.00250	0.00335	1	06/05/2020 10:57	WG1487490
Xylenes, Total	U		0.00118	0.00650	0.00870	1	06/05/2020 10:57	WG1487490
(S) Toluene-d8	*117*				*75.0-131*		*06/05/2020 10:57*	WG1487490
(S) 4-Bromofluorobenzene	*102*				*67.0-138*		*06/05/2020 10:57*	WG1487490
(S) 1,2-Dichloroethane-d4	*102*				*70.0-130*		*06/05/2020 10:57*	WG1487490

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	SDL (dry) mg/kg	Unadj. MQL mg/kg	MQL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	13.8		1.78	4.00	5.35	1	06/05/2020 14:37	WG1487837
Residual Range Organics (RRO)	44.8		4.46	10.0	13.4	1	06/05/2020 14:37	WG1487837
(S) o-Terphenyl	*45.5*				*18.0-148*		*06/05/2020 14:37*	WG1487837

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.4		1	06/05/2020 10:30	WG1487701

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Mercury	0.0588		0.0201	0.0400	0.0448	1	06/05/2020 13:36	WG1487771

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Arsenic	12.4		0.515	2.00	2.24	1	06/05/2020 13:47	WG1487779
Barium	85.9		0.269	0.500	0.559	1	06/05/2020 13:47	WG1487779
Cadmium	1.13		0.0906	0.500	0.559	1	06/05/2020 13:47	WG1487779
Chromium	21.1		0.280	1.00	1.12	1	06/05/2020 13:47	WG1487779
Lead	211	J6	0.233	0.500	0.559	1	06/05/2020 13:47	WG1487779
Selenium	U		0.690	2.00	2.24	1	06/05/2020 13:47	WG1487779
Silver	U		0.255	1.00	1.12	1	06/05/2020 13:47	WG1487779

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	1.06	J	0.948	0.100	2.80	25	06/05/2020 14:17	WG1487780
(S) a,a,a-Trifluorotoluene(FID)	*92.4*				*77.0-120*		*06/05/2020 14:17*	WG1487780

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Acetone	U		0.0408	0.0500	0.0559	1	06/05/2020 11:17	WG1487490
Acrylonitrile	U		0.00404	0.0125	0.0140	1	06/05/2020 11:17	WG1487490
Benzene	U		0.000522	0.00100	0.00112	1	06/05/2020 11:17	WG1487490
Bromobenzene	U		0.00101	0.0125	0.0140	1	06/05/2020 11:17	WG1487490
Bromodichloromethane	U		0.000811	0.00250	0.00280	1	06/05/2020 11:17	WG1487490
Bromoform	U		0.00131	0.0250	0.0280	1	06/05/2020 11:17	WG1487490
Bromomethane	U		0.00220	0.0125	0.0140	1	06/05/2020 11:17	WG1487490
n-Butylbenzene	U		0.00587	0.0125	0.0140	1	06/05/2020 11:17	WG1487490
sec-Butylbenzene	U		0.00322	0.0125	0.0140	1	06/05/2020 11:17	WG1487490
tert-Butylbenzene	U		0.00218	0.00500	0.00559	1	06/05/2020 11:17	WG1487490
Carbon tetrachloride	U		0.00100	0.00500	0.00559	1	06/05/2020 11:17	WG1487490
Chlorobenzene	U		0.000235	0.00250	0.00280	1	06/05/2020 11:17	WG1487490
Chlorodibromomethane	U		0.000685	0.00250	0.00280	1	06/05/2020 11:17	WG1487490
Chloroethane	U		0.00190	0.00500	0.00559	1	06/05/2020 11:17	WG1487490
Chloroform	U		0.00115	0.00250	0.00280	1	06/05/2020 11:17	WG1487490
Chloromethane	U		0.00487	0.0125	0.0140	1	06/05/2020 11:17	WG1487490
2-Chlorotoluene	U		0.000968	0.00250	0.00280	1	06/05/2020 11:17	WG1487490
4-Chlorotoluene	U		0.000503	0.00500	0.00559	1	06/05/2020 11:17	WG1487490
1,2-Dibromo-3-Chloropropane	U		0.00436	0.0250	0.0280	1	06/05/2020 11:17	WG1487490
1,2-Dibromoethane	U		0.000725	0.00250	0.00280	1	06/05/2020 11:17	WG1487490
Dibromomethane	U		0.000839	0.00500	0.00559	1	06/05/2020 11:17	WG1487490
1,2-Dichlorobenzene	U		0.000475	0.00500	0.00559	1	06/05/2020 11:17	WG1487490
1,3-Dichlorobenzene	U		0.000671	0.00500	0.00559	1	06/05/2020 11:17	WG1487490
1,4-Dichlorobenzene	U		0.000783	0.00500	0.00559	1	06/05/2020 11:17	WG1487490
Dichlorodifluoromethane	U		0.00180	0.00250	0.00280	1	06/05/2020 11:17	WG1487490
1,1-Dichloroethane	U		0.000549	0.00250	0.00280	1	06/05/2020 11:17	WG1487490
1,2-Dichloroethane	U		0.000726	0.00250	0.00280	1	06/05/2020 11:17	WG1487490

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	SDL (dry) mg/kg	Unadj. MQL mg/kg	MQL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1-Dichloroethene	U		0.000678	0.00250	0.00280	1	06/05/2020 11:17	WG1487490
cis-1,2-Dichloroethene	U		0.000821	0.00250	0.00280	1	06/05/2020 11:17	WG1487490
trans-1,2-Dichloroethene	U		0.00116	0.00500	0.00559	1	06/05/2020 11:17	WG1487490
1,2-Dichloropropane	U		0.00159	0.00500	0.00559	1	06/05/2020 11:17	WG1487490
1,1-Dichloropropene	U		0.000905	0.00250	0.00280	1	06/05/2020 11:17	WG1487490
1,3-Dichloropropane	U		0.000561	0.00500	0.00559	1	06/05/2020 11:17	WG1487490
cis-1,3-Dichloropropene	U		0.000847	0.00250	0.00280	1	06/05/2020 11:17	WG1487490
trans-1,3-Dichloropropene	U		0.00128	0.00500	0.00559	1	06/05/2020 11:17	WG1487490
2,2-Dichloropropane	U		0.00154	0.00250	0.00280	1	06/05/2020 11:17	WG1487490
Di-isopropyl ether	U		0.000459	0.00100	0.00112	1	06/05/2020 11:17	WG1487490
Ethylbenzene	U		0.000825	0.00250	0.00280	1	06/05/2020 11:17	WG1487490
Hexachloro-1,3-butadiene	U		0.00671	0.0250	0.0280	1	06/05/2020 11:17	WG1487490
Isopropylbenzene	U		0.000475	0.00250	0.00280	1	06/05/2020 11:17	WG1487490
p-Isopropyltoluene	U		0.00285	0.00500	0.00559	1	06/05/2020 11:17	WG1487490
2-Butanone (MEK)	U		0.0710	0.100	0.112	1	06/05/2020 11:17	WG1487490
Methylene Chloride	U		0.00743	0.0250	0.0280	1	06/05/2020 11:17	WG1487490
4-Methyl-2-pentanone (MIBK)	U		0.00255	0.0250	0.0280	1	06/05/2020 11:17	WG1487490
Methyl tert-butyl ether	U		0.000392	0.00100	0.00112	1	06/05/2020 11:17	WG1487490
Naphthalene	U		0.00546	0.0125	0.0140	1	06/05/2020 11:17	WG1487490
n-Propylbenzene	U		0.00106	0.00500	0.00559	1	06/05/2020 11:17	WG1487490
Styrene	U		0.000256	0.0125	0.0140	1	06/05/2020 11:17	WG1487490
1,1,1,2-Tetrachloroethane	U		0.00106	0.00250	0.00280	1	06/05/2020 11:17	WG1487490
1,1,2,2-Tetrachloroethane	U		0.000778	0.00250	0.00280	1	06/05/2020 11:17	WG1487490
1,1,2-Trichlorotrifluoroethane	U		0.000844	0.00250	0.00280	1	06/05/2020 11:17	WG1487490
Tetrachloroethene	0.00199	J	0.00100	0.00250	0.00280	1	06/05/2020 11:17	WG1487490
Toluene	U		0.00145	0.00500	0.00559	1	06/05/2020 11:17	WG1487490
1,2,3-Trichlorobenzene	U		0.00820	0.0125	0.0140	1	06/05/2020 11:17	WG1487490
1,2,4-Trichlorobenzene	U		0.00492	0.0125	0.0140	1	06/05/2020 11:17	WG1487490
1,1,1-Trichloroethane	U		0.00103	0.00250	0.00280	1	06/05/2020 11:17	WG1487490
1,1,2-Trichloroethane	U		0.000668	0.00250	0.00280	1	06/05/2020 11:17	WG1487490
Trichloroethene	U		0.000653	0.00100	0.00112	1	06/05/2020 11:17	WG1487490
Trichlorofluoromethane	U		0.000925	0.00250	0.00280	1	06/05/2020 11:17	WG1487490
1,2,3-Trichloropropane	U		0.00181	0.0125	0.0140	1	06/05/2020 11:17	WG1487490
1,2,4-Trimethylbenzene	U		0.00177	0.00500	0.00559	1	06/05/2020 11:17	WG1487490
1,2,3-Trimethylbenzene	U		0.00177	0.00500	0.00559	1	06/05/2020 11:17	WG1487490
1,3,5-Trimethylbenzene	U		0.00224	0.00500	0.00559	1	06/05/2020 11:17	WG1487490
Vinyl chloride	U		0.00130	0.00250	0.00280	1	06/05/2020 11:17	WG1487490
Xylenes, Total	U		0.000985	0.00650	0.00727	1	06/05/2020 11:17	WG1487490
(S) Toluene-d8	*116*				*75.0-131*		*06/05/2020 11:17*	WG1487490
(S) 4-Bromofluorobenzene	*99.1*				*67.0-138*		*06/05/2020 11:17*	WG1487490
(S) 1,2-Dichloroethane-d4	*91.4*				*70.0-130*		*06/05/2020 11:17*	WG1487490

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	SDL (dry) mg/kg	Unadj. MQL mg/kg	MQL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		149	4.00	448	100	06/05/2020 15:29	WG1487837
Residual Range Organics (RRO)	1130		373	10.0	1120	100	06/05/2020 15:29	WG1487837
(S) o-Terphenyl	*105*	J7			*18.0-148*		*06/05/2020 15:29*	WG1487837

Sample Narrative:

L1225705-02 WG1487837: Cannot run at lower dilution due to viscosity of extract

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.0		1	06/05/2020 10:30	WG1487701

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Mercury	0.0763		0.0212	0.0400	0.0470	1	06/05/2020 13:15	WG1487771

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Arsenic	4.55		0.541	2.00	2.35	1	06/05/2020 14:02	WG1487779
Barium	82.0		0.282	0.500	0.588	1	06/05/2020 14:02	WG1487779
Cadmium	0.693		0.0952	0.500	0.588	1	06/05/2020 14:02	WG1487779
Chromium	21.8		0.294	1.00	1.18	1	06/05/2020 14:02	WG1487779
Lead	28.6		0.245	0.500	0.588	1	06/05/2020 14:02	WG1487779
Selenium	U		0.725	2.00	2.35	1	06/05/2020 14:02	WG1487779
Silver	U		0.268	1.00	1.18	1	06/05/2020 14:02	WG1487779

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	1.05	J	0.996	0.100	2.94	25	06/05/2020 14:38	WG1487780
(S) a,a,a-Trifluorotoluene(FID)	*92.7*				*77.0-120*		*06/05/2020 14:38*	WG1487780

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Acetone	0.0702		0.0485	0.0500	0.0664	1.13	06/05/2020 11:36	WG1487490
Acrylonitrile	U		0.00480	0.0125	0.0166	1.13	06/05/2020 11:36	WG1487490
Benzene	U		0.000620	0.00100	0.00133	1.13	06/05/2020 11:36	WG1487490
Bromobenzene	U		0.00120	0.0125	0.0166	1.13	06/05/2020 11:36	WG1487490
Bromodichloromethane	U		0.000963	0.00250	0.00333	1.13	06/05/2020 11:36	WG1487490
Bromoform	U		0.00155	0.0250	0.0333	1.13	06/05/2020 11:36	WG1487490
Bromomethane	U		0.00262	0.0125	0.0166	1.13	06/05/2020 11:36	WG1487490
n-Butylbenzene	U		0.00698	0.0125	0.0166	1.13	06/05/2020 11:36	WG1487490
sec-Butylbenzene	U		0.00383	0.0125	0.0166	1.13	06/05/2020 11:36	WG1487490
tert-Butylbenzene	U		0.00259	0.00500	0.00664	1.13	06/05/2020 11:36	WG1487490
Carbon tetrachloride	U		0.00119	0.00500	0.00664	1.13	06/05/2020 11:36	WG1487490
Chlorobenzene	U		0.000279	0.00250	0.00333	1.13	06/05/2020 11:36	WG1487490
Chlorodibromomethane	U		0.000813	0.00250	0.00333	1.13	06/05/2020 11:36	WG1487490
Chloroethane	U		0.00226	0.00500	0.00664	1.13	06/05/2020 11:36	WG1487490
Chloroform	U		0.00137	0.00250	0.00333	1.13	06/05/2020 11:36	WG1487490
Chloromethane	U		0.00578	0.0125	0.0166	1.13	06/05/2020 11:36	WG1487490
2-Chlorotoluene	U		0.00115	0.00250	0.00333	1.13	06/05/2020 11:36	WG1487490
4-Chlorotoluene	U		0.000598	0.00500	0.00664	1.13	06/05/2020 11:36	WG1487490
1,2-Dibromo-3-Chloropropane	U		0.00518	0.0250	0.0333	1.13	06/05/2020 11:36	WG1487490
1,2-Dibromoethane	U		0.000861	0.00250	0.00333	1.13	06/05/2020 11:36	WG1487490
Dibromomethane	U		0.000996	0.00500	0.00664	1.13	06/05/2020 11:36	WG1487490
1,2-Dichlorobenzene	U		0.000565	0.00500	0.00664	1.13	06/05/2020 11:36	WG1487490
1,3-Dichlorobenzene	U		0.000797	0.00500	0.00664	1.13	06/05/2020 11:36	WG1487490
1,4-Dichlorobenzene	U		0.000930	0.00500	0.00664	1.13	06/05/2020 11:36	WG1487490
Dichlorodifluoromethane	U		0.00214	0.00250	0.00333	1.13	06/05/2020 11:36	WG1487490
1,1-Dichloroethane	U		0.000652	0.00250	0.00333	1.13	06/05/2020 11:36	WG1487490
1,2-Dichloroethane	U		0.000862	0.00250	0.00333	1.13	06/05/2020 11:36	WG1487490

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	SDL (dry) mg/kg	Unadj. MQL mg/kg	MQL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1-Dichloroethene	U		0.000805	0.00250	0.00333	1.13	06/05/2020 11:36	WG1487490
cis-1,2-Dichloroethene	U		0.000975	0.00250	0.00333	1.13	06/05/2020 11:36	WG1487490
trans-1,2-Dichloroethene	U		0.00138	0.00500	0.00664	1.13	06/05/2020 11:36	WG1487490
1,2-Dichloropropane	U		0.00189	0.00500	0.00664	1.13	06/05/2020 11:36	WG1487490
1,1-Dichloropropene	U		0.00107	0.00250	0.00333	1.13	06/05/2020 11:36	WG1487490
1,3-Dichloropropane	U		0.000666	0.00500	0.00664	1.13	06/05/2020 11:36	WG1487490
cis-1,3-Dichloropropene	U		0.00101	0.00250	0.00333	1.13	06/05/2020 11:36	WG1487490
trans-1,3-Dichloropropene	U		0.00151	0.00500	0.00664	1.13	06/05/2020 11:36	WG1487490
2,2-Dichloropropane	U		0.00183	0.00250	0.00333	1.13	06/05/2020 11:36	WG1487490
Di-isopropyl ether	U		0.000545	0.00100	0.00133	1.13	06/05/2020 11:36	WG1487490
Ethylbenzene	U		0.000979	0.00250	0.00333	1.13	06/05/2020 11:36	WG1487490
Hexachloro-1,3-butadiene	U		0.00797	0.0250	0.0333	1.13	06/05/2020 11:36	WG1487490
Isopropylbenzene	U		0.000565	0.00250	0.00333	1.13	06/05/2020 11:36	WG1487490
p-Isopropyltoluene	U		0.00339	0.00500	0.00664	1.13	06/05/2020 11:36	WG1487490
2-Butanone (MEK)	U		0.0844	0.100	0.133	1.13	06/05/2020 11:36	WG1487490
Methylene Chloride	U		0.00882	0.0250	0.0333	1.13	06/05/2020 11:36	WG1487490
4-Methyl-2-pentanone (MIBK)	U		0.00303	0.0250	0.0333	1.13	06/05/2020 11:36	WG1487490
Methyl tert-butyl ether	U		0.000465	0.00100	0.00133	1.13	06/05/2020 11:36	WG1487490
Naphthalene	U		0.00648	0.0125	0.0166	1.13	06/05/2020 11:36	WG1487490
n-Propylbenzene	0.00219	J	0.00126	0.00500	0.00664	1.13	06/05/2020 11:36	WG1487490
Styrene	0.000797	J	0.000304	0.0125	0.0166	1.13	06/05/2020 11:36	WG1487490
1,1,1,2-Tetrachloroethane	U		0.00126	0.00250	0.00333	1.13	06/05/2020 11:36	WG1487490
1,1,2,2-Tetrachloroethane	U		0.000923	0.00250	0.00333	1.13	06/05/2020 11:36	WG1487490
1,1,2-Trichlorotrifluoroethane	U		0.00100	0.00250	0.00333	1.13	06/05/2020 11:36	WG1487490
Tetrachloroethene	0.00528		0.00119	0.00250	0.00333	1.13	06/05/2020 11:36	WG1487490
Toluene	0.00539	J	0.00173	0.00500	0.00664	1.13	06/05/2020 11:36	WG1487490
1,2,3-Trichlorobenzene	U		0.00974	0.0125	0.0166	1.13	06/05/2020 11:36	WG1487490
1,2,4-Trichlorobenzene	U		0.00585	0.0125	0.0166	1.13	06/05/2020 11:36	WG1487490
1,1,1-Trichloroethane	U		0.00123	0.00250	0.00333	1.13	06/05/2020 11:36	WG1487490
1,1,2-Trichloroethane	U		0.000793	0.00250	0.00333	1.13	06/05/2020 11:36	WG1487490
Trichloroethene	U		0.000776	0.00100	0.00133	1.13	06/05/2020 11:36	WG1487490
Trichlorofluoromethane	U		0.00110	0.00250	0.00333	1.13	06/05/2020 11:36	WG1487490
1,2,3-Trichloropropane	U		0.00215	0.0125	0.0166	1.13	06/05/2020 11:36	WG1487490
1,2,4-Trimethylbenzene	U		0.00210	0.00500	0.00664	1.13	06/05/2020 11:36	WG1487490
1,2,3-Trimethylbenzene	U		0.00210	0.00500	0.00664	1.13	06/05/2020 11:36	WG1487490
1,3,5-Trimethylbenzene	U		0.00266	0.00500	0.00664	1.13	06/05/2020 11:36	WG1487490
Vinyl chloride	U		0.00154	0.00250	0.00333	1.13	06/05/2020 11:36	WG1487490
Xylenes, Total	0.00644	J	0.00117	0.00650	0.00864	1.13	06/05/2020 11:36	WG1487490
(S) Toluene-d8	*115*				*75.0-131*		*06/05/2020 11:36*	WG1487490
(S) 4-Bromofluorobenzene	*98.9*				*67.0-138*		*06/05/2020 11:36*	WG1487490
(S) 1,2-Dichloroethane-d4	*101*				*70.0-130*		*06/05/2020 11:36*	WG1487490

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	SDL (dry) mg/kg	Unadj. MQL mg/kg	MQL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	7.18	J	3.13	4.00	9.41	2	06/05/2020 14:50	WG1487837
Residual Range Organics (RRO)	62.7		7.83	10.0	23.5	2	06/05/2020 14:50	WG1487837
(S) o-Terphenyl	*69.9*				*18.0-148*		*06/05/2020 14:50*	WG1487837

Sample Narrative:

L1225705-03 WG1487837: Dilution due to matrix impact during extract concentration procedure

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.9		1	06/05/2020 10:30	WG1487701

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Mercury	0.0420	J	0.0205	0.0400	0.0455	1	06/05/2020 13:18	WG1487771

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Arsenic	9.06		0.523	2.00	2.27	1	06/05/2020 14:04	WG1487779
Barium	57.8		0.273	0.500	0.569	1	06/05/2020 14:04	WG1487779
Cadmium	0.331	J	0.0921	0.500	0.569	1	06/05/2020 14:04	WG1487779
Chromium	16.9		0.284	1.00	1.14	1	06/05/2020 14:04	WG1487779
Lead	72.5		0.237	0.500	0.569	1	06/05/2020 14:04	WG1487779
Selenium	U		0.702	2.00	2.27	1	06/05/2020 14:04	WG1487779
Silver	U		0.259	1.00	1.14	1	06/05/2020 14:04	WG1487779

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	1.10	J	0.964	0.100	2.84	25	06/05/2020 14:59	WG1487780
(S) a,a,a-Trifluorotoluene(FID)	*92.1*				*77.0-120*		*06/05/2020 14:59*	WG1487780

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Acetone	U		0.0415	0.0500	0.0569	1	06/05/2020 11:56	WG1487490
Acrylonitrile	U		0.00411	0.0125	0.0142	1	06/05/2020 11:56	WG1487490
Benzene	U		0.000531	0.00100	0.00114	1	06/05/2020 11:56	WG1487490
Bromobenzene	U		0.00102	0.0125	0.0142	1	06/05/2020 11:56	WG1487490
Bromodichloromethane	U		0.000825	0.00250	0.00284	1	06/05/2020 11:56	WG1487490
Bromoform	U		0.00133	0.0250	0.0284	1	06/05/2020 11:56	WG1487490
Bromomethane	U		0.00224	0.0125	0.0142	1	06/05/2020 11:56	WG1487490
n-Butylbenzene	U		0.00597	0.0125	0.0142	1	06/05/2020 11:56	WG1487490
sec-Butylbenzene	U		0.00328	0.0125	0.0142	1	06/05/2020 11:56	WG1487490
tert-Butylbenzene	U		0.00222	0.00500	0.00569	1	06/05/2020 11:56	WG1487490
Carbon tetrachloride	U		0.00102	0.00500	0.00569	1	06/05/2020 11:56	WG1487490
Chlorobenzene	U		0.000239	0.00250	0.00284	1	06/05/2020 11:56	WG1487490
Chlorodibromomethane	U		0.000696	0.00250	0.00284	1	06/05/2020 11:56	WG1487490
Chloroethane	U		0.00193	0.00500	0.00569	1	06/05/2020 11:56	WG1487490
Chloroform	U		0.00117	0.00250	0.00284	1	06/05/2020 11:56	WG1487490
Chloromethane	U		0.00495	0.0125	0.0142	1	06/05/2020 11:56	WG1487490
2-Chlorotoluene	U		0.000984	0.00250	0.00284	1	06/05/2020 11:56	WG1487490
4-Chlorotoluene	U		0.000512	0.00500	0.00569	1	06/05/2020 11:56	WG1487490
1,2-Dibromo-3-Chloropropane	U		0.00444	0.0250	0.0284	1	06/05/2020 11:56	WG1487490
1,2-Dibromoethane	U		0.000737	0.00250	0.00284	1	06/05/2020 11:56	WG1487490
Dibromomethane	U		0.000853	0.00500	0.00569	1	06/05/2020 11:56	WG1487490
1,2-Dichlorobenzene	U		0.000483	0.00500	0.00569	1	06/05/2020 11:56	WG1487490
1,3-Dichlorobenzene	U		0.000682	0.00500	0.00569	1	06/05/2020 11:56	WG1487490
1,4-Dichlorobenzene	U		0.000796	0.00500	0.00569	1	06/05/2020 11:56	WG1487490
Dichlorodifluoromethane	U		0.00183	0.00250	0.00284	1	06/05/2020 11:56	WG1487490
1,1-Dichloroethane	U		0.000559	0.00250	0.00284	1	06/05/2020 11:56	WG1487490
1,2-Dichloroethane	U		0.000738	0.00250	0.00284	1	06/05/2020 11:56	WG1487490

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	SDL (dry) mg/kg	Unadj. MQL mg/kg	MQL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1-Dichloroethene	U		0.000689	0.00250	0.00284	1	06/05/2020 11:56	WG1487490
cis-1,2-Dichloroethene	U		0.000835	0.00250	0.00284	1	06/05/2020 11:56	WG1487490
trans-1,2-Dichloroethene	U		0.00118	0.00500	0.00569	1	06/05/2020 11:56	WG1487490
1,2-Dichloropropane	U		0.00162	0.00500	0.00569	1	06/05/2020 11:56	WG1487490
1,1-Dichloropropene	U		0.000920	0.00250	0.00284	1	06/05/2020 11:56	WG1487490
1,3-Dichloropropane	U		0.000570	0.00500	0.00569	1	06/05/2020 11:56	WG1487490
cis-1,3-Dichloropropene	U		0.000861	0.00250	0.00284	1	06/05/2020 11:56	WG1487490
trans-1,3-Dichloropropene	U		0.00130	0.00500	0.00569	1	06/05/2020 11:56	WG1487490
2,2-Dichloropropane	U		0.00157	0.00250	0.00284	1	06/05/2020 11:56	WG1487490
Di-isopropyl ether	U		0.000466	0.00100	0.00114	1	06/05/2020 11:56	WG1487490
Ethylbenzene	U		0.000838	0.00250	0.00284	1	06/05/2020 11:56	WG1487490
Hexachloro-1,3-butadiene	U		0.00682	0.0250	0.0284	1	06/05/2020 11:56	WG1487490
Isopropylbenzene	U		0.000483	0.00250	0.00284	1	06/05/2020 11:56	WG1487490
p-Isopropyltoluene	0.00726		0.00290	0.00500	0.00569	1	06/05/2020 11:56	WG1487490
2-Butanone (MEK)	U		0.0722	0.100	0.114	1	06/05/2020 11:56	WG1487490
Methylene Chloride	U		0.00755	0.0250	0.0284	1	06/05/2020 11:56	WG1487490
4-Methyl-2-pentanone (MIBK)	U		0.00259	0.0250	0.0284	1	06/05/2020 11:56	WG1487490
Methyl tert-butyl ether	U		0.000398	0.00100	0.00114	1	06/05/2020 11:56	WG1487490
Naphthalene	U		0.00555	0.0125	0.0142	1	06/05/2020 11:56	WG1487490
n-Propylbenzene	0.00138	J	0.00108	0.00500	0.00569	1	06/05/2020 11:56	WG1487490
Styrene	U		0.000260	0.0125	0.0142	1	06/05/2020 11:56	WG1487490
1,1,1,2-Tetrachloroethane	U		0.00108	0.00250	0.00284	1	06/05/2020 11:56	WG1487490
1,1,2,2-Tetrachloroethane	U		0.000791	0.00250	0.00284	1	06/05/2020 11:56	WG1487490
1,1,2-Trichlorotrifluoroethane	U		0.000858	0.00250	0.00284	1	06/05/2020 11:56	WG1487490
Tetrachloroethene	U		0.00102	0.00250	0.00284	1	06/05/2020 11:56	WG1487490
Toluene	U		0.00148	0.00500	0.00569	1	06/05/2020 11:56	WG1487490
1,2,3-Trichlorobenzene	U		0.00834	0.0125	0.0142	1	06/05/2020 11:56	WG1487490
1,2,4-Trichlorobenzene	U		0.00500	0.0125	0.0142	1	06/05/2020 11:56	WG1487490
1,1,1-Trichloroethane	U		0.00105	0.00250	0.00284	1	06/05/2020 11:56	WG1487490
1,1,2-Trichloroethane	U		0.000679	0.00250	0.00284	1	06/05/2020 11:56	WG1487490
Trichloroethene	U		0.000664	0.00100	0.00114	1	06/05/2020 11:56	WG1487490
Trichlorofluoromethane	U		0.000941	0.00250	0.00284	1	06/05/2020 11:56	WG1487490
1,2,3-Trichloropropane	U		0.00184	0.0125	0.0142	1	06/05/2020 11:56	WG1487490
1,2,4-Trimethylbenzene	U		0.00180	0.00500	0.00569	1	06/05/2020 11:56	WG1487490
1,2,3-Trimethylbenzene	U		0.00180	0.00500	0.00569	1	06/05/2020 11:56	WG1487490
1,3,5-Trimethylbenzene	U		0.00227	0.00500	0.00569	1	06/05/2020 11:56	WG1487490
Vinyl chloride	U		0.00132	0.00250	0.00284	1	06/05/2020 11:56	WG1487490
Xylenes, Total	U		0.00100	0.00650	0.00739	1	06/05/2020 11:56	WG1487490
(S) Toluene-d8	*116*				*75.0-131*		*06/05/2020 11:56*	WG1487490
(S) 4-Bromofluorobenzene	*101*				*67.0-138*		*06/05/2020 11:56*	WG1487490
(S) 1,2-Dichloroethane-d4	*98.8*				*70.0-130*		*06/05/2020 11:56*	WG1487490

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	SDL (dry) mg/kg	Unadj. MQL mg/kg	MQL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		30.3	4.00	91.0	20	06/05/2020 15:16	WG1487837
Residual Range Organics (RRO)	217	J	75.8	10.0	227	20	06/05/2020 15:16	WG1487837
(S) o-Terphenyl	*94.3*	J7			*18.0-148*		*06/05/2020 15:16*	WG1487837

Sample Narrative:

L1225705-04 WG1487837: Cannot run at lower dilution due to viscosity of extract

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.2		1	06/05/2020 10:30	WG1487701

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Mercury	0.0520		0.0195	0.0400	0.0434	1	06/05/2020 13:20	WG1487771

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Arsenic	15.5		0.499	2.00	2.17	1	06/05/2020 13:34	WG1487779
Barium	88.0		0.260	0.500	0.542	1	06/05/2020 13:34	WG1487779
Cadmium	0.343	J	0.0878	0.500	0.542	1	06/05/2020 13:34	WG1487779
Chromium	37.5		0.271	1.00	1.08	1	06/05/2020 13:34	WG1487779
Lead	155		0.226	0.500	0.542	1	06/05/2020 13:34	WG1487779
Selenium	U		0.669	2.00	2.17	1	06/05/2020 13:34	WG1487779
Silver	U		0.247	1.00	1.08	1	06/05/2020 13:34	WG1487779

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	0.967	J	0.919	0.100	2.71	25	06/05/2020 15:19	WG1487780
(S) a,a,a-Trifluorotoluene(FID)	*92.5*				*77.0-120*		*06/05/2020 15:19*	WG1487780

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Acetone	U		0.0396	0.0500	0.0542	1	06/05/2020 12:16	WG1487490
Acrylonitrile	U		0.00391	0.0125	0.0136	1	06/05/2020 12:16	WG1487490
Benzene	U		0.000506	0.00100	0.00108	1	06/05/2020 12:16	WG1487490
Bromobenzene	U		0.000976	0.0125	0.0136	1	06/05/2020 12:16	WG1487490
Bromodichloromethane	U		0.000786	0.00250	0.00271	1	06/05/2020 12:16	WG1487490
Bromoform	U		0.00127	0.0250	0.0271	1	06/05/2020 12:16	WG1487490
Bromomethane	U		0.00214	0.0125	0.0136	1	06/05/2020 12:16	WG1487490
n-Butylbenzene	U		0.00569	0.0125	0.0136	1	06/05/2020 12:16	WG1487490
sec-Butylbenzene	U		0.00312	0.0125	0.0136	1	06/05/2020 12:16	WG1487490
tert-Butylbenzene	U		0.00211	0.00500	0.00542	1	06/05/2020 12:16	WG1487490
Carbon tetrachloride	U		0.000974	0.00500	0.00542	1	06/05/2020 12:16	WG1487490
Chlorobenzene	U		0.000228	0.00250	0.00271	1	06/05/2020 12:16	WG1487490
Chlorodibromomethane	U		0.000664	0.00250	0.00271	1	06/05/2020 12:16	WG1487490
Chloroethane	U		0.00184	0.00500	0.00542	1	06/05/2020 12:16	WG1487490
Chloroform	U		0.00112	0.00250	0.00271	1	06/05/2020 12:16	WG1487490
Chloromethane	U		0.00472	0.0125	0.0136	1	06/05/2020 12:16	WG1487490
2-Chlorotoluene	U		0.000938	0.00250	0.00271	1	06/05/2020 12:16	WG1487490
4-Chlorotoluene	U		0.000488	0.00500	0.00542	1	06/05/2020 12:16	WG1487490
1,2-Dibromo-3-Chloropropane	U		0.00423	0.0250	0.0271	1	06/05/2020 12:16	WG1487490
1,2-Dibromoethane	U		0.000703	0.00250	0.00271	1	06/05/2020 12:16	WG1487490
Dibromomethane	U		0.000813	0.00500	0.00542	1	06/05/2020 12:16	WG1487490
1,2-Dichlorobenzene	U		0.000461	0.00500	0.00542	1	06/05/2020 12:16	WG1487490
1,3-Dichlorobenzene	U		0.000651	0.00500	0.00542	1	06/05/2020 12:16	WG1487490
1,4-Dichlorobenzene	U		0.000759	0.00500	0.00542	1	06/05/2020 12:16	WG1487490
Dichlorodifluoromethane	U		0.00175	0.00250	0.00271	1	06/05/2020 12:16	WG1487490
1,1-Dichloroethane	U		0.000532	0.00250	0.00271	1	06/05/2020 12:16	WG1487490
1,2-Dichloroethane	U		0.000704	0.00250	0.00271	1	06/05/2020 12:16	WG1487490

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	SDL (dry) mg/kg	Unadj. MQL mg/kg	MQL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1-Dichloroethene	U		0.000657	0.00250	0.00271	1	06/05/2020 12:16	WG1487490
cis-1,2-Dichloroethene	U		0.000796	0.00250	0.00271	1	06/05/2020 12:16	WG1487490
trans-1,2-Dichloroethene	U		0.00113	0.00500	0.00542	1	06/05/2020 12:16	WG1487490
1,2-Dichloropropane	U		0.00154	0.00500	0.00542	1	06/05/2020 12:16	WG1487490
1,1-Dichloropropene	U		0.000877	0.00250	0.00271	1	06/05/2020 12:16	WG1487490
1,3-Dichloropropane	U		0.000543	0.00500	0.00542	1	06/05/2020 12:16	WG1487490
cis-1,3-Dichloropropene	U		0.000821	0.00250	0.00271	1	06/05/2020 12:16	WG1487490
trans-1,3-Dichloropropene	U		0.00124	0.00500	0.00542	1	06/05/2020 12:16	WG1487490
2,2-Dichloropropane	U		0.00150	0.00250	0.00271	1	06/05/2020 12:16	WG1487490
Di-isopropyl ether	U		0.000445	0.00100	0.00108	1	06/05/2020 12:16	WG1487490
Ethylbenzene	U		0.000799	0.00250	0.00271	1	06/05/2020 12:16	WG1487490
Hexachloro-1,3-butadiene	U		0.00651	0.0250	0.0271	1	06/05/2020 12:16	WG1487490
Isopropylbenzene	U		0.000461	0.00250	0.00271	1	06/05/2020 12:16	WG1487490
p-Isopropyltoluene	U		0.00277	0.00500	0.00542	1	06/05/2020 12:16	WG1487490
2-Butanone (MEK)	U		0.0689	0.100	0.108	1	06/05/2020 12:16	WG1487490
Methylene Chloride	U		0.00720	0.0250	0.0271	1	06/05/2020 12:16	WG1487490
4-Methyl-2-pentanone (MIBK)	U		0.00247	0.0250	0.0271	1	06/05/2020 12:16	WG1487490
Methyl tert-butyl ether	U		0.000380	0.00100	0.00108	1	06/05/2020 12:16	WG1487490
Naphthalene	U		0.00529	0.0125	0.0136	1	06/05/2020 12:16	WG1487490
n-Propylbenzene	U		0.00103	0.00500	0.00542	1	06/05/2020 12:16	WG1487490
Styrene	U		0.000248	0.0125	0.0136	1	06/05/2020 12:16	WG1487490
1,1,1,2-Tetrachloroethane	U		0.00103	0.00250	0.00271	1	06/05/2020 12:16	WG1487490
1,1,2,2-Tetrachloroethane	U		0.000754	0.00250	0.00271	1	06/05/2020 12:16	WG1487490
1,1,2-Trichlorotrifluoroethane	U		0.000818	0.00250	0.00271	1	06/05/2020 12:16	WG1487490
Tetrachloroethene	U		0.000972	0.00250	0.00271	1	06/05/2020 12:16	WG1487490
Toluene	U		0.00141	0.00500	0.00542	1	06/05/2020 12:16	WG1487490
1,2,3-Trichlorobenzene	U		0.00795	0.0125	0.0136	1	06/05/2020 12:16	WG1487490
1,2,4-Trichlorobenzene	U		0.00477	0.0125	0.0136	1	06/05/2020 12:16	WG1487490
1,1,1-Trichloroethane	U		0.00100	0.00250	0.00271	1	06/05/2020 12:16	WG1487490
1,1,2-Trichloroethane	U		0.000647	0.00250	0.00271	1	06/05/2020 12:16	WG1487490
Trichloroethene	U		0.000633	0.00100	0.00108	1	06/05/2020 12:16	WG1487490
Trichlorofluoromethane	U		0.000897	0.00250	0.00271	1	06/05/2020 12:16	WG1487490
1,2,3-Trichloropropane	U		0.00176	0.0125	0.0136	1	06/05/2020 12:16	WG1487490
1,2,4-Trimethylbenzene	U		0.00171	0.00500	0.00542	1	06/05/2020 12:16	WG1487490
1,2,3-Trimethylbenzene	U		0.00171	0.00500	0.00542	1	06/05/2020 12:16	WG1487490
1,3,5-Trimethylbenzene	U		0.00217	0.00500	0.00542	1	06/05/2020 12:16	WG1487490
Vinyl chloride	U		0.00126	0.00250	0.00271	1	06/05/2020 12:16	WG1487490
Xylenes, Total	U		0.000954	0.00650	0.00705	1	06/05/2020 12:16	WG1487490
(S) Toluene-d8	*116*				*75.0-131*		*06/05/2020 12:16*	WG1487490
(S) 4-Bromofluorobenzene	*99.2*				*67.0-138*		*06/05/2020 12:16*	WG1487490
(S) 1,2-Dichloroethane-d4	*92.9*				*70.0-130*		*06/05/2020 12:16*	WG1487490

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	SDL (dry) mg/kg	Unadj. MQL mg/kg	MQL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	10.8		2.88	4.00	8.68	2	06/05/2020 15:03	WG1487837
Residual Range Organics (RRO)	83.9		7.22	10.0	21.7	2	06/05/2020 15:03	WG1487837
(S) o-Terphenyl	*95.6*				*18.0-148*		*06/05/2020 15:03*	WG1487837

Method Blank (MB)

(MB) R3535607-1 06/05/20 10:30

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1225705-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1225705-02 06/05/20 10:30 • (DUP) R3535607-3 06/05/20 10:30

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	89.4	89.5	1	0.184		10

Laboratory Control Sample (LCS)

(LCS) R3535607-2 06/05/20 10:30

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3535477-1 06/05/20 12:55

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R3535477-2 06/05/20 12:57

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.533	107	80.0-120	

L1225705-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1225705-02 06/05/20 13:36 • (MS) R3535477-3 06/05/20 13:02 • (MSD) R3535477-4 06/05/20 13:10

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.559	0.0588	0.623	0.641	101	104	1	75.0-125			2.88	20

Method Blank (MB)

(MB) R3535505-1 06/05/20 13:42

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.460	2.00
Barium	U		0.240	0.500
Cadmium	U		0.0810	0.500
Chromium	U		0.250	1.00
Lead	U		0.208	0.500
Selenium	U		0.617	2.00
Silver	U		0.228	1.00

Laboratory Control Sample (LCS)

(LCS) R3535505-2 06/05/20 13:44

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	106	106	80.0-120	
Barium	100	112	112	80.0-120	
Cadmium	100	106	106	80.0-120	
Chromium	100	110	110	80.0-120	
Lead	100	108	108	80.0-120	
Selenium	100	106	106	80.0-120	
Silver	20.0	21.7	108	80.0-120	

L1225705-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1225705-02 06/05/20 13:47 • (MS) R3535505-5 06/05/20 13:54 • (MSD) R3535505-6 06/05/20 13:57

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	112	12.4	114	108	90.6	85.5	1	75.0-125			5.18	20
Barium	112	85.9	180	175	84.5	79.2	1	75.0-125			3.34	20
Cadmium	112	1.13	106	103	94.0	91.1	1	75.0-125			3.12	20
Chromium	112	21.1	130	124	97.2	91.9	1	75.0-125			4.68	20
Lead	112	211	297	244	77.1	30.0	1	75.0-125		J6	19.5	20
Selenium	112	U	105	102	94.1	91.3	1	75.0-125			2.98	20
Silver	22.4	U	21.4	20.8	95.6	93.0	1	75.0-125			2.77	20

Method Blank (MB)

(MB) R3535585-2 06/05/20 13:06

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline Range Organics-NWTPH	U		0.0339	0.100
(S) a,a,a-Trifluorotoluene(FID)	*92.0*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3535585-1 06/05/20 12:25

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5.50	5.24	95.3	71.0-124	
(S) a,a,a-Trifluorotoluene(FID)			*107*	*77.0-120*	

1 Cp
2 Tc
3 Ss
4 Cn
5 Tr
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Method Blank (MB)

(MB) R3535464-3 06/05/20 04:29

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00250
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method Blank (MB)

(MB) R3535464-3 06/05/20 04:29

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*115*			*75.0-131*
(S) 4-Bromofluorobenzene	*103*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3535464-1 06/05/20 03:08 • (LCSD) R3535464-2 06/05/20 03:28

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.771	0.657	123	105	10.0-160			16.0	31
Acrylonitrile	0.625	0.543	0.565	86.9	90.4	45.0-153			3.97	22
Benzene	0.125	0.0998	0.0999	79.8	79.9	70.0-123			0.100	20
Bromobenzene	0.125	0.142	0.141	114	113	73.0-121			0.707	20
Bromodichloromethane	0.125	0.108	0.115	86.4	92.0	73.0-121			6.28	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3535464-1 06/05/20 03:08 • (LCSD) R3535464-2 06/05/20 03:28

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromoform	0.125	0.133	0.142	106	114	64.0-132			6.55	20
Bromomethane	0.125	0.0969	0.0969	77.5	77.5	56.0-147			0.000	20
n-Butylbenzene	0.125	0.0997	0.0978	79.8	78.2	68.0-135			1.92	20
sec-Butylbenzene	0.125	0.120	0.117	96.0	93.6	74.0-130			2.53	20
tert-Butylbenzene	0.125	0.127	0.128	102	102	75.0-127			0.784	20
Carbon tetrachloride	0.125	0.119	0.126	95.2	101	66.0-128			5.71	20
Chlorobenzene	0.125	0.126	0.128	101	102	76.0-128			1.57	20
Chlorodibromomethane	0.125	0.113	0.116	90.4	92.8	74.0-127			2.62	20
Chloroethane	0.125	0.0931	0.0984	74.5	78.7	61.0-134			5.54	20
Chloroform	0.125	0.105	0.106	84.0	84.8	72.0-123			0.948	20
Chloromethane	0.125	0.127	0.126	102	101	51.0-138			0.791	20
2-Chlorotoluene	0.125	0.129	0.130	103	104	75.0-124			0.772	20
4-Chlorotoluene	0.125	0.121	0.120	96.8	96.0	75.0-124			0.830	20
1,2-Dibromo-3-Chloropropane	0.125	0.126	0.126	101	101	59.0-130			0.000	20
1,2-Dibromoethane	0.125	0.142	0.146	114	117	74.0-128			2.78	20
Dibromomethane	0.125	0.110	0.114	88.0	91.2	75.0-122			3.57	20
1,2-Dichlorobenzene	0.125	0.122	0.126	97.6	101	76.0-124			3.23	20
1,3-Dichlorobenzene	0.125	0.120	0.122	96.0	97.6	76.0-125			1.65	20
1,4-Dichlorobenzene	0.125	0.112	0.115	89.6	92.0	77.0-121			2.64	20
Dichlorodifluoromethane	0.125	0.119	0.119	95.2	95.2	43.0-156			0.000	20
1,1-Dichloroethane	0.125	0.116	0.115	92.8	92.0	70.0-127			0.866	20
1,2-Dichloroethane	0.125	0.0947	0.0951	75.8	76.1	65.0-131			0.421	20
1,1-Dichloroethene	0.125	0.136	0.133	109	106	65.0-131			2.23	20
cis-1,2-Dichloroethene	0.125	0.127	0.134	102	107	73.0-125			5.36	20
trans-1,2-Dichloroethene	0.125	0.117	0.118	93.6	94.4	71.0-125			0.851	20
1,2-Dichloropropane	0.125	0.111	0.114	88.8	91.2	74.0-125			2.67	20
1,1-Dichloropropene	0.125	0.116	0.119	92.8	95.2	73.0-125			2.55	20
1,3-Dichloropropane	0.125	0.102	0.108	81.6	86.4	80.0-125			5.71	20
cis-1,3-Dichloropropene	0.125	0.0956	0.0992	76.5	79.4	76.0-127			3.70	20
trans-1,3-Dichloropropene	0.125	0.116	0.119	92.8	95.2	73.0-127			2.55	20
2,2-Dichloropropane	0.125	0.0843	0.0907	67.4	72.6	59.0-135			7.31	20
Di-isopropyl ether	0.125	0.0941	0.0980	75.3	78.4	60.0-136			4.06	20
Ethylbenzene	0.125	0.138	0.141	110	113	74.0-126			2.15	20
Hexachloro-1,3-butadiene	0.125	0.118	0.122	94.4	97.6	57.0-150			3.33	20
Isopropylbenzene	0.125	0.108	0.111	86.4	88.8	72.0-127			2.74	20
p-Isopropyltoluene	0.125	0.134	0.133	107	106	72.0-133			0.749	20
2-Butanone (MEK)	0.625	0.590	0.582	94.4	93.1	30.0-160			1.37	24
Methylene Chloride	0.125	0.0904	0.0950	72.3	76.0	68.0-123			4.96	20
4-Methyl-2-pentanone (MIBK)	0.625	0.646	0.679	103	109	56.0-143			4.98	20
Methyl tert-butyl ether	0.125	0.0983	0.103	78.6	82.4	66.0-132			4.67	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3535464-1 06/05/20 03:08 • (LCSD) R3535464-2 06/05/20 03:28

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Naphthalene	0.125	0.134	0.137	107	110	59.0-130			2.21	20
n-Propylbenzene	0.125	0.125	0.125	100	100	74.0-126			0.000	20
Styrene	0.125	0.110	0.118	88.0	94.4	72.0-127			7.02	20
1,1,1,2-Tetrachloroethane	0.125	0.110	0.114	88.0	91.2	74.0-129			3.57	20
1,1,2,2-Tetrachloroethane	0.125	0.0891	0.0920	71.3	73.6	68.0-128			3.20	20
Tetrachloroethene	0.125	0.138	0.140	110	112	70.0-136			1.44	20
Toluene	0.125	0.108	0.109	86.4	87.2	75.0-121			0.922	20
1,1,2-Trichlorotrifluoroethane	0.125	0.118	0.121	94.4	96.8	61.0-139			2.51	20
1,2,3-Trichlorobenzene	0.125	0.128	0.130	102	104	59.0-139			1.55	20
1,2,4-Trichlorobenzene	0.125	0.134	0.139	107	111	62.0-137			3.66	20
1,1,1-Trichloroethane	0.125	0.0906	0.0946	72.5	75.7	69.0-126			4.32	20
1,1,2-Trichloroethane	0.125	0.119	0.123	95.2	98.4	78.0-123			3.31	20
Trichloroethene	0.125	0.136	0.137	109	110	76.0-126			0.733	20
Trichlorofluoromethane	0.125	0.137	0.136	110	109	61.0-142			0.733	20
1,2,3-Trichloropropane	0.125	0.112	0.113	89.6	90.4	67.0-129			0.889	20
1,2,3-Trimethylbenzene	0.125	0.115	0.118	92.0	94.4	74.0-124			2.58	20
1,2,4-Trimethylbenzene	0.125	0.105	0.109	84.0	87.2	70.0-126			3.74	20
1,3,5-Trimethylbenzene	0.125	0.0966	0.0966	77.3	77.3	73.0-127			0.000	20
Vinyl chloride	0.125	0.109	0.113	87.2	90.4	63.0-134			3.60	20
Xylenes, Total	0.375	0.363	0.374	96.8	99.7	72.0-127			2.99	20
(S) Toluene-d8				*113*	*112*	*75.0-131*				
(S) 4-Bromofluorobenzene				*102*	*102*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*101*	*103*	*70.0-130*				

Method Blank (MB)

(MB) R3535573-1 06/05/20 14:11

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Diesel Range Organics (DRO)	U		1.33	4.00
Residual Range Organics (RRO)	U		3.33	10.0
(S) o-Terphenyl	*89.9*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3535573-2 06/05/20 14:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Diesel Range Organics (DRO)	50.0	44.7	89.4	50.0-150	
(S) o-Terphenyl			*99.1*	*18.0-148*	

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MQL (dry)	Method Quantitation Limit.
MQL	Method Quantitation Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
SDL	Sample Detection Limit.
SDL (dry)	Sample Detection Limit.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Sample Detection Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.

TGE Resources

8048 Northcourt Road
Houston, TX 77040

Billing Information:
Kim Pham
8048 Northcourt Road
Houston, TX 77040

Pres Chk

Report to: Kristi Barnette

Email To: krbarnette@tgeresources.com

Project Description: Future Federal Way Emergency

City/State Collected:

Please Circle: PT MT CT ET

Phone: 713-744-5800
Fax: 713-744-5888

Client Project # R1341106

Lab Project # TGERESHTX-8932

Collected by (print): K Barnette

Site/Facility ID #

P.O. # ~~8932~~

Collected by (signature): K Barnett

Rush? (Lab MUST Be Notified) X Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day

Quote #

Date Results Needed

Immediately Packed on Ice N ___ Y X

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	As, Cd, Pb 8ozClr-NoPres	NWTPHDXNOSGT 8ozClr-NoPres	NWTPHGX 40mlAmb/MeOH5ml/Syr	SV8081 8ozClr-NoPres	V8260 40mlAmb/MeOH5ml/Syr	RCRA8 (totals)	RCRA 8+4 (TCLP)			Remarks	Sample # (lab only)
Sewer SEC Base(7.5)	Grab	SS	7.5	6/4/20	13:50	3		X	X		X	X	X				-01
Sewer SEC S. Side(4')	Grab	SS	4	6/4/20	13:55	3		X	X		X	X	X				-02
Sewer SEC N. Side(4')	Grab	SS	4	6/4/20	14:00	3		X	X		X	X	X				-03
Sewer SEC W Side(4')	Grab	SS	4	6/4/20	14:05	3		X	X		X	X	X				-04
Sewer SEC E Side(4')	Grab	SS	4	6/4/20	14:10	3		X	X		X	X	X				-05
		SS															
		SS															
		SS															
		SS															
		SS															

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

SDG # L1225705

A230

Acctnum: TGERESHTX

Template: T164103

Prelogin: P760772

PM: 134 - Mark W. Beasley

PB:

Shipped Via: FedEx Ground

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: ****Log as R1 same day TAT****

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __UPS __FedEx __Courier _____

Tracking # 393549686576

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeOH TBR	If preservation required by Login: Date/Time
K Barnett	6/4/20	1520			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 5+1=6 °C Bottles Received: 15	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Sandy Yosef	Date: 6/5/20 Time: 815	Hold: Condition: NCF / OK

ANALYTICAL REPORT

June 08, 2020

TGE Resources

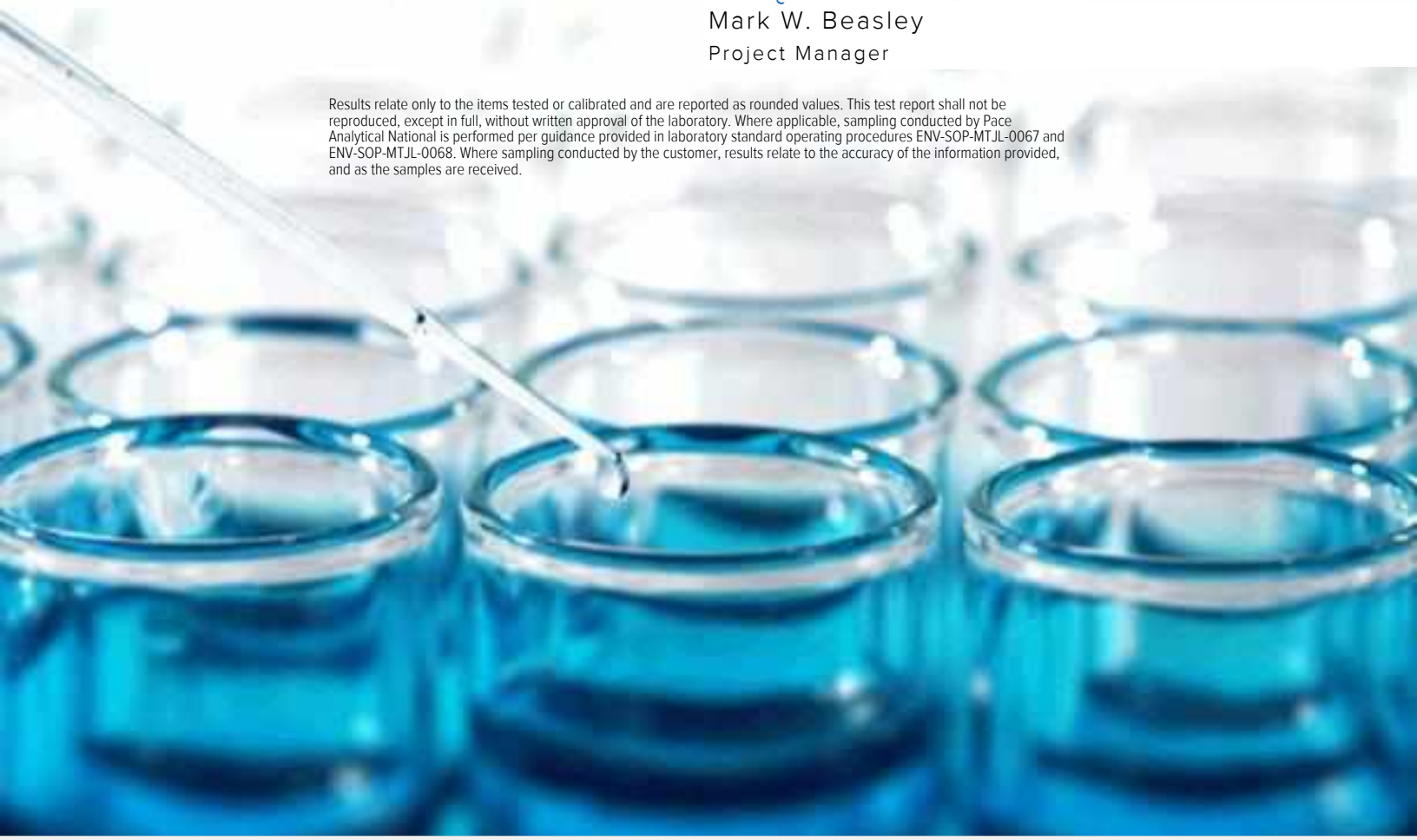
Sample Delivery Group:	L1225712
Samples Received:	06/05/2020
Project Number:	R1341106
Description:	Future Federal Way Emergency Center

Report To: Kristi Barnette
8048 Northcourt Road
Houston, TX 77040

Entire Report Reviewed By:

Mark W. Beasley
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



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SEWER SEC BASE (7.5) L1225712-01 Waste

Collected by: K Barnette | Collected date/time: 06/04/20 13:50 | Received date/time: 06/05/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1488598	1	06/07/20 17:24	06/07/20 17:24	CGD	Mt. Juliet, TN
Mercury by Method 7470A	WG1488886	1	06/08/20 13:27	06/08/20 16:52	TCT	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1488900	1	06/08/20 13:40	06/08/20 15:11	EL	Mt. Juliet, TN

SEWER SEC S. SIDE (4') L1225712-02 Waste

Collected by: K Barnette | Collected date/time: 06/04/20 13:55 | Received date/time: 06/05/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1488598	1	06/07/20 17:24	06/07/20 17:24	CGD	Mt. Juliet, TN
Mercury by Method 7470A	WG1488886	1	06/08/20 13:27	06/08/20 16:54	TCT	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1488900	1	06/08/20 13:40	06/08/20 15:37	EL	Mt. Juliet, TN

SEWER SEC N. SIDE (4') L1225712-03 Waste

Collected by: K Barnette | Collected date/time: 06/04/20 14:00 | Received date/time: 06/05/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1488598	1	06/07/20 17:24	06/07/20 17:24	CGD	Mt. Juliet, TN
Mercury by Method 7470A	WG1488886	1	06/08/20 13:27	06/08/20 16:56	TCT	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1488900	1	06/08/20 13:40	06/08/20 15:40	EL	Mt. Juliet, TN

SEWER SEC W SIDE (4) L1225712-04 Waste

Collected by: K Barnette | Collected date/time: 06/04/20 14:05 | Received date/time: 06/05/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1488598	1	06/07/20 17:24	06/07/20 17:24	CGD	Mt. Juliet, TN
Mercury by Method 7470A	WG1488886	1	06/08/20 13:27	06/08/20 16:58	TCT	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1488900	1	06/08/20 13:40	06/08/20 15:43	EL	Mt. Juliet, TN

SEWER SEC E SIDE (4') L1225712-05 Waste

Collected by: K Barnette | Collected date/time: 06/04/20 14:10 | Received date/time: 06/05/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1488598	1	06/07/20 17:24	06/07/20 17:24	CGD	Mt. Juliet, TN
Mercury by Method 7470A	WG1488886	1	06/08/20 13:27	06/08/20 17:00	TCT	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1488900	1	06/08/20 13:40	06/08/20 15:51	EL	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Mark W. Beasley
Project Manager

This data package consists of this signature page, the laboratory review checklist, and the following reportable data as applicable:

R1 - Field chain-of-custody documentation;

R2 - Sample identification cross-reference;

R3 - Test reports (analytical data sheets) for each environmental sample that includes:

a. Items consistent with NELAC Chapter 5,

b. dilution factors,

c. preparation methods,

d. cleanup methods, and

e. if required for the project, tentatively identified compounds (TICs).

R4 - Surrogate recovery data including:

a. Calculated recovery (%R), and

b. The laboratory's surrogate QC limits.

R5 - Test reports/summary forms for blank samples;

R6 - Test reports/summary forms for laboratory control samples (LCSs) including:

a. LCS spiking amounts,

b. Calculated %R for each analyte, and

c. The laboratory's LCS QC limits.

R7 - Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:

a. Samples associated with the MS/MSD clearly identified,

b. MS/MSD spiking amounts,

c. Concentration of each MS/MSD analyte measured in the parent and spiked samples,

d. Calculated %Rs and relative percent differences (RPDs), and

e. The laboratory's MS/MSD QC limits

R8 - Laboratory analytical duplicate (if applicable) recovery and precision:

a. The amount of analyte measured in the duplicate,

b. The calculated RPD, and

c. The laboratory's QC limits for analytical duplicates.

R9 - List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

R10 - Other problems or anomalies.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm to the best of my knowledge all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Mark W. Beasley
Project Manager

Laboratory Review Checklist: Reportable Data

Laboratory Name: Pace Analytical National	LRC Date: 06/08/2020 19:28
Project Name: Future Federal Way Emergency Center	Laboratory Job Number: L1225712-01, 02, 03, 04 and 05
Reviewer Name: Mark W. Beasley	Prep Batch Number(s): WG1488900, WG1488886 and WG1488598

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	Chain-of-custody (C-O-C)					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	Sample and quality control (QC) identification					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	Test reports					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, are TICs reported?			X		
R4	O	Surrogate recovery data					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	X				
R5	OI	Test reports/summary forms for blank samples					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	Laboratory control samples (LCS):					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7	OI	Matrix spike (MS) and matrix spike duplicate (MSD) data					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	Analytical duplicate data					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	Method quantitation limits (MQLs):					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	Other problems/anomalies					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference effects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Supporting Data

Laboratory Name: Pace Analytical National	LRC Date: 06/08/2020 19:28
Project Name: Future Federal Way Emergency Center	Laboratory Job Number: L1225712-01, 02, 03, 04 and 05
Reviewer Name: Mark W. Beasley	Prep Batch Number(s): WG1488900, WG1488886 and WG1488598

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	Initial calibration (ICAL)					
		Were response factors and/or relative response factors for each analyte within QC limits?			X		
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB):					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	Mass spectral tuning					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	Internal standards (IS)					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	Raw data (NELAC Section 5.5.10)					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?			X		
S6	O	Dual column confirmation					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	Tentatively identified compounds (TICs)					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	Interference Check Sample (ICS) results					
		Were percent recoveries within method QC limits?	X				
S9	I	Serial dilutions, post digestion spikes, and method of standard additions					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10	OI	Method detection limit (MDL) studies					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	Proficiency test reports					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	Standards documentation					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	Compound/analyte identification procedures					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	Demonstration of analyst competency (DOC)					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	Verification/validation documentation for methods (NELAC Chapter 5)					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	Laboratory standard operating procedures (SOPs)					
		Are laboratory SOPs current and on file for each method performed	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Reports

Laboratory Name: Pace Analytical National	LRC Date: 06/08/2020 19:28
Project Name: Future Federal Way Emergency Center	Laboratory Job Number: L1225712-01, 02, 03, 04 and 05
Reviewer Name: Mark W. Beasley	Prep Batch Number(s): WG1488900, WG1488886 and WG1488598

ER #[1]	Description
	The Exception Report intentionally left blank, there are no exceptions applied to this SDG.

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		6/7/2020 5:24:49 PM	WG1488598
Fluid	1		6/7/2020 5:24:49 PM	WG1488598
Initial pH	6.66		6/7/2020 5:24:49 PM	WG1488598
Final pH	5.07		6/7/2020 5:24:49 PM	WG1488598

Mercury by Method 7470A

Analyte	Result	Qualifier	MQL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Mercury	ND		0.0100	0.20	1	06/08/2020 16:52	WG1488886

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MQL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Antimony	ND		0.100		1	06/08/2020 15:11	WG1488900
Arsenic	ND		0.100	5	1	06/08/2020 15:11	WG1488900
Barium	0.452		0.100	100	1	06/08/2020 15:11	WG1488900
Beryllium	ND		0.0200		1	06/08/2020 15:11	WG1488900
Cadmium	ND		0.100	1	1	06/08/2020 15:11	WG1488900
Chromium	ND		0.100	5	1	06/08/2020 15:11	WG1488900
Lead	ND		0.100	5	1	06/08/2020 15:11	WG1488900
Nickel	ND		0.100		1	06/08/2020 15:11	WG1488900
Selenium	ND		0.100	1	1	06/08/2020 15:11	WG1488900
Silver	ND		0.100	5	1	06/08/2020 15:11	WG1488900
Vanadium	ND		0.200		1	06/08/2020 15:11	WG1488900

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		6/7/2020 5:24:49 PM	WG1488598
Fluid	1		6/7/2020 5:24:49 PM	WG1488598
Initial pH	6.93		6/7/2020 5:24:49 PM	WG1488598
Final pH	5.02		6/7/2020 5:24:49 PM	WG1488598

Mercury by Method 7470A

Analyte	Result	Qualifier	MQL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Mercury	ND		0.0100	0.20	1	06/08/2020 16:54	WG1488886

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MQL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Antimony	ND		0.100		1	06/08/2020 15:37	WG1488900
Arsenic	ND		0.100	5	1	06/08/2020 15:37	WG1488900
Barium	0.482		0.100	100	1	06/08/2020 15:37	WG1488900
Beryllium	ND		0.0200		1	06/08/2020 15:37	WG1488900
Cadmium	ND		0.100	1	1	06/08/2020 15:37	WG1488900
Chromium	ND		0.100	5	1	06/08/2020 15:37	WG1488900
Lead	0.165		0.100	5	1	06/08/2020 15:37	WG1488900
Nickel	ND		0.100		1	06/08/2020 15:37	WG1488900
Selenium	ND		0.100	1	1	06/08/2020 15:37	WG1488900
Silver	ND		0.100	5	1	06/08/2020 15:37	WG1488900
Vanadium	ND		0.200		1	06/08/2020 15:37	WG1488900

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		6/7/2020 5:24:49 PM	WG1488598
Fluid	1		6/7/2020 5:24:49 PM	WG1488598
Initial pH	7.25		6/7/2020 5:24:49 PM	WG1488598
Final pH	5.02		6/7/2020 5:24:49 PM	WG1488598

Mercury by Method 7470A

Analyte	Result	Qualifier	MQL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Mercury	ND		0.0100	0.20	1	06/08/2020 16:56	WG1488886

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MQL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Antimony	ND		0.100		1	06/08/2020 15:40	WG1488900
Arsenic	ND		0.100	5	1	06/08/2020 15:40	WG1488900
Barium	0.857		0.100	100	1	06/08/2020 15:40	WG1488900
Beryllium	ND		0.0200		1	06/08/2020 15:40	WG1488900
Cadmium	ND		0.100	1	1	06/08/2020 15:40	WG1488900
Chromium	ND		0.100	5	1	06/08/2020 15:40	WG1488900
Lead	ND		0.100	5	1	06/08/2020 15:40	WG1488900
Nickel	ND		0.100		1	06/08/2020 15:40	WG1488900
Selenium	ND		0.100	1	1	06/08/2020 15:40	WG1488900
Silver	ND		0.100	5	1	06/08/2020 15:40	WG1488900
Vanadium	ND		0.200		1	06/08/2020 15:40	WG1488900

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		6/7/2020 5:24:49 PM	WG1488598
Fluid	1		6/7/2020 5:24:49 PM	WG1488598
Initial pH	7.04		6/7/2020 5:24:49 PM	WG1488598
Final pH	5.06		6/7/2020 5:24:49 PM	WG1488598

Mercury by Method 7470A

Analyte	Result	Qualifier	MQL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Mercury	ND		0.0100	0.20	1	06/08/2020 16:58	WG1488886

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MQL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Antimony	ND		0.100		1	06/08/2020 15:43	WG1488900
Arsenic	ND		0.100	5	1	06/08/2020 15:43	WG1488900
Barium	0.540		0.100	100	1	06/08/2020 15:43	WG1488900
Beryllium	ND		0.0200		1	06/08/2020 15:43	WG1488900
Cadmium	ND		0.100	1	1	06/08/2020 15:43	WG1488900
Chromium	ND		0.100	5	1	06/08/2020 15:43	WG1488900
Lead	0.119		0.100	5	1	06/08/2020 15:43	WG1488900
Nickel	ND		0.100		1	06/08/2020 15:43	WG1488900
Selenium	ND		0.100	1	1	06/08/2020 15:43	WG1488900
Silver	ND		0.100	5	1	06/08/2020 15:43	WG1488900
Vanadium	ND		0.200		1	06/08/2020 15:43	WG1488900

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		6/7/2020 5:24:49 PM	WG1488598
Fluid	1		6/7/2020 5:24:49 PM	WG1488598
Initial pH	6.80		6/7/2020 5:24:49 PM	WG1488598
Final pH	5.03		6/7/2020 5:24:49 PM	WG1488598

Mercury by Method 7470A

Analyte	Result	Qualifier	MQL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Mercury	ND		0.0100	0.20	1	06/08/2020 17:00	WG1488886

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MQL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Antimony	ND		0.100		1	06/08/2020 15:51	WG1488900
Arsenic	ND		0.100	5	1	06/08/2020 15:51	WG1488900
Barium	0.518		0.100	100	1	06/08/2020 15:51	WG1488900
Beryllium	ND		0.0200		1	06/08/2020 15:51	WG1488900
Cadmium	ND		0.100	1	1	06/08/2020 15:51	WG1488900
Chromium	ND		0.100	5	1	06/08/2020 15:51	WG1488900
Lead	ND		0.100	5	1	06/08/2020 15:51	WG1488900
Nickel	ND		0.100		1	06/08/2020 15:51	WG1488900
Selenium	ND		0.100	1	1	06/08/2020 15:51	WG1488900
Silver	ND		0.100	5	1	06/08/2020 15:51	WG1488900
Vanadium	ND		0.200		1	06/08/2020 15:51	WG1488900

Method Blank (MB)

(MB) R3536317-1 06/08/20 16:42

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	U		0.00330	0.0100

Laboratory Control Sample (LCS)

(LCS) R3536317-2 06/08/20 16:44

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.0300	0.0289	96.4	80.0-120	

Method Blank (MB)

(MB) R3536272-1 06/08/20 15:06

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Antimony	U		0.0333	0.100
Arsenic	U		0.0333	0.100
Barium	U		0.0333	0.100
Beryllium	U		0.00667	0.0200
Cadmium	U		0.0333	0.100
Chromium	U		0.0333	0.100
Lead	U		0.0333	0.100
Nickel	U		0.0333	0.100
Selenium	U		0.0333	0.100
Silver	U		0.0333	0.100
Vanadium	U		0.0667	0.200

Laboratory Control Sample (LCS)

(LCS) R3536272-2 06/08/20 15:08

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	10.0	9.56	95.6	80.0-120	
Arsenic	10.0	9.62	96.2	80.0-120	
Barium	10.0	10.1	101	80.0-120	
Beryllium	10.0	9.83	98.3	80.0-120	
Cadmium	10.0	9.68	96.8	80.0-120	
Chromium	10.0	9.73	97.3	80.0-120	
Lead	10.0	9.77	97.7	80.0-120	
Nickel	10.0	10.0	100	80.0-120	
Selenium	10.0	10.1	101	80.0-120	
Silver	2.00	1.90	94.8	80.0-120	
Vanadium	10.0	9.95	99.5	80.0-120	

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
MQL	Method Quantitation Limit.
ND	Not detected at the Method Quantitation Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
U	Not detected at the Sample Detection Limit.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.

TGE Resources
8048 Northcourt Road
Houston, TX 77040

Billing Information:
Kim Pham
8048 Northcourt Road
Houston, TX 77040

Pres Chk

Report to: Kristi Barnette
Email To: krbarnette@tgeresources.com

Project Description: Future Federal Way Emergency
City/State Collected:
Please Circle: PT MT CT ET

Phone: 713-744-5800
Fax: 713-744-5888

Client Project # R1341106
Lab Project # TGERESHTX-8932
Site/Facility ID #
P.O. # ~~8032~~

Collected by (print): K Barnette
Collected by (signature): K Barnette
Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
X Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day
Quote #
Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	As, Cd, Pb 8ozClr-NoPres	NWTPHDXNOSGT 8ozClr-NoPres	NWTPHGX 40mlAmb/MeOH5ml/Syr	SV8081 8ozClr-NoPres	V8260 40mlAmb/MeOH5ml/Syr	RCRA8 (totals)	RCRA8+4 (TCLP)	Remarks	Sample # (lab only)
Sewer SEC Base(7.5)	Grab	SS	7.5	6/4/20	13:50	3		X	X		X	X	X		-01
Sewer SEC S. Side(4')	Grab	SS	4	6/4/20	13:55	3		X	X		X	X	X		-02
Sewer SEC N. Side(4)	Grab	SS	4	6/4/20	14:00	3		X	X		X	X	X		-03
Sewer SEC W Side(4)	Grab	SS	4	6/4/20	14:05	3		X	X		X	X	X		-04
Sewer SEC E Side(4')	Grab	SS	4	6/4/20	19:10	3		X	X		X	X	X		-05
		SS													
		SS													
		SS													
		SS													
		SS													

Chain of Custody Page ___ of ___

Pace Analytical
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

SDG # L1225705
A230
L1225712
Acctnum: TGERESHTX
Template: T164103
Prelogin: P760772
PM: 134 - Mark W. Beasley
PB:
Shipped Via: FedEx Ground

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: ****Log as R1 same day TAT****

pH _____ Temp _____
Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____
Tracking # 393541686576

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeOH TBR
K Barnette	6/4/20	1500		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 5.1/5.3 °C Bottles Received: 15
				If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6/5/20 Time: 8:45
			Sandy Yosef	Hold: Condition: NCF / OK

REPUBLIC SERVICES

BLACK RIVER - 4559
501 MONSTER ROAD SW
RENTON, WA 98057

TRUCK # 1

1

280419

65,400	GROSS
36540	TARE
	NET

ACCT # 15590 JOB # TB 7530

CONT # RBSU200431

CITY 33

DATE: 6/11 20 20

TIME OUT:

DATE: 06/11/20

TIME IN: 2:01pm

CUSTOMER # CGI

Brian

NOTICE: FACILITIES USED AT CUSTOMER'S RISK

CUSTOMER COPY

REPUBLIC SERVICES

BLACK RIVER - 4559
501 MONSTER ROAD SW
RENTON, WA 98057

-1

TRUCK # 280420

61340

GROSS

35040

TARE

NET

ACCT # 15590 JOB # 7530 TB

CONT # TRLU 901788

CITY

33

DATE: 06/11 20 20

TIME OUT: 2:22

DATE: 6/12/20

TIME IN: 8:00

CUSTOMER # CGL

NOTICE: FACILITIES USED AT CUSTOMER'S RISK

CUSTOMER COPY

REPUBLIC SERVICES

BLACK RIVER - 4559
501 MONSTER ROAD SW
RENTON, WA 98057

TRUCK # -1 280428

69520
34,300

GROSS	
TARE	
NET	

ACCT # 15590 JOB # TB 7530
CONT # GCEU4320280
CITY 33

DATE: 06/12 20 20
TIME OUT: 9:56am
DATE: 6-12-20
TIME IN: 11:15

CUSTOMER # CGI

NOTICE: FACILITIES USED AT CUSTOMER'S RISK

CUSTOMER COPY

REPUBLIC SERVICES

BLACK RIVER - 4559
501 MONSTER ROAD SW
RENTON, WA 98057

TRUCK # -1 280426

65200
33,020

GROSS	
TARE	
NET	

ACCT # 15590 JOB # TB 7530
CONT # TOLU4516020
CITY 33

DATE: 06/12 20 20
TIME OUT: 9:12am
DATE: 6/12/20
TIME IN: 9:45

CUSTOMER # CGI

NOTICE: FACILITIES USED AT CUSTOMER'S RISK

CUSTOMER COPY

REPUBLIC SERVICES

BLACK RIVER - 4559
501 MONSTER ROAD SW
RENTON, WA 98057

TRUCK # 1 -1 280438

63770 GROSS
34,480 TARE
NET

ACCT # 15590 JOB # TB 7530
CONT # EMU2566640
CITY 33

DATE: 06/12 20 20
TIME OUT: 1:17pm
DATE: 6-12-20
TIME IN: 2:41

CUSTOMER # CGT

NOTICE: FACILITIES USED AT CUSTOMER'S RISK
BRIAN

CUSTOMER COPY

REPUBLIC SERVICES

BLACK RIVER - 4559
501 MONSTER ROAD SW
RENTON, WA 98057

TRUCK # 1 -1 280423

65,880 GROSS
35,390 TARE
NET

ACCT # 15590 JOB # TB 7530
CONT # TOLU425213
CITY 33

DATE: 06/12 20 20
TIME OUT: 11:28am
DATE: 6-12-20
TIME IN: 1:03

CUSTOMER # CGT

NOTICE: FACILITIES USED AT CUSTOMER'S RISK
Brian

CUSTOMER COPY

REPUBLIC SERVICES

BLACK RIVER - 4559
501 MONSTER ROAD SW
RENTON, WA 98057

TRUCK # 1 -1 280415

69920 GROSS
36.540 TARE
NET

ACCT # 15590 JOB # TB 7530
CONT # RBDU2010660
CITY

33

DATE: 06/11 20 20
TIME OUT: 10:37 am
DATE: 6-11-20
TIME IN: 12:09

CUSTOMER # CG1

NOTICE: FACILITIES USED AT CUSTOMER'S RISK

Brian

CUSTOMER COPY

REPUBLIC SERVICES

BLACK RIVER - 4559
501 MONSTER ROAD SW
RENTON, WA 98057

TRUCK # 1 279879

TB

61,660 GROSS
34880 TARE
NET

ACCT # 15590 JOB # 7530
CONT # TDLU 457465
CITY

33

DATE: 20
TIME OUT:
DATE: 06/11/20
TIME IN: 10:18am

CUSTOMER # CG1

BRIAN

NOTICE: FACILITIES USED AT CUSTOMER'S RISK

STOMER COPY

Republic Services

18500 N. Allied Way, Phoenix, AZ 85054

SPECIAL WASTE DEPARTMENT DECISION

	Waste Profile #	Expiration Date	
	4178202774	3/9/2021	

I. Decision Request: ☑ Initial ☐ Recertification ☐ Change

Disposal Facility: 4178 - Roosevelt Regional MSW L/F

Generator Name: NikLexi LLC

Generator Site Address: 29805 Pacific Highway South

City: Federal Way **County:** **State:** WA **Zip:**

Name of Waste: Petroleum Contaminated Soil

Estimated Annual Volume: 1050 Tons

II. Special Waste Department Decision: ☑ Approved ☐ Rejected

Management Method(s): ☑ Landfill ☐ Solidification ☐ Bioremediation ☐ Deep Well ☐ Transfer Facility

Problematic Special Waste according to Republic? ☐ Yes ☑ No

If yes, which one?

Approved by Special Waste Review Committee? ☐ Yes ☐ No ☑ Not Applicable

Precautions, Conditions or Limitations on Approval

This profile is limited to the waste represented by the samples identified on the document "Federal Way Hospital Table" dated 3-12-2020.

The generator must provide a completed Change Form and analysis for any additional Soil.

Special Waste Analyst Signature: _____ **Name (Printed):** Suzanne Glass

Date: 3/13/2020

III. Facility Decision: ☑ Approved ☐ Rejected

Precautions, Conditions or Limitations on Approval

By signing below, the General Manager or Designee agrees that a fully executed Special Waste Service Agreement is on file for this profile and that the special waste file is complete.

General Manager or Designee: _____ **Name (Printed):** Jeff Sichmeller

Date: 3/13/2020

AGENT SPECIAL WASTE SERVICE AGREEMENT
NON-HAZARDOUS WASTES

REPUBLIC SERVICES

Special Waste Profile Number: **4178 20 2774**

Agent Billing Information		**Republic Waste Location (Company)**
Name:	Archer Construction (Acct# 11096)	Regional Disposal Company
Address:	7855 S 206th St	4178 Roosevelt Regional MSW LF WA
		500 Roosevelt Grade Road
City:	Kent	Roosevelt WA 99356
State:	Washington Zip: 98032	
Phone:	253.951.7546 Fax:	
Contact:	Glen Richmond	

Project: NikLexi LLC **County and State of Origin:** King County, WA

Generator Address: 29805 Pacific Highway South Federal Way WA

Additional Information: Site Contact: Curtis Nelson | Phone: 509.484.0464

1. **Special Waste Service**. Subject to the terms and conditions contained herein, the Company and the Agent agree to be legally bound hereby and the Company agrees to accept at its facility identified above ("Facility"), Acceptable Waste (as defined in Section 6) delivered by Agent.

2 **(A) Rates for Disposal:**

Waste	Disposal Method	Disposal Rate:	Fees / Taxes / Misc.	Transportation
Petroleum Contaminated Soil	Landfill	$53.00 per Ton	N/A	N/A

Additional Information: ***** This profile will expire on March 9 2021 *****

Agent shall also be liable for all taxes, fees, or other charges imposed by federal, state, local or provincial laws and regulations.

Cannot Exceed Daily Volume of NA Without Prior Approval of Company.

(B) Incorporation by Reference. In addition to Special Waste Profile(s), the following documents are incorporated by reference into this Agreement as if fully set forth herein.

1) Bill of Lading TB-2774

2)

3. **Term of Agreement**. This Agreement is effective for 12 months, commencing 3/13/2020 and shall automatically be renewed for a similar term thereafter unless either party shall give written notice (via certified mail) of termination to the other party at least thirty (30) days before the expiration of the then-current term.

THE COMPANY AND THE AGENT, IN CONSIDERATION OF THE MUTUAL OBLIGATIONS CONTAINED HEREIN, AGREE THAT THIS IS A LEGALLY BINDING AGREEMENT WHICH IS SUBJECT TO THE TERMS AND CONDITIONS SET FORTH ON THIS PAGE AND ON THE REVERSE SIDE OF THIS DOCUMENT. IN ADDITION, THE GENERATOR IS CERTIFYING THE ATTACHED TERMS AND CONDITIONS HAVE BEEN REVIEWED AND INITIALLED AT THE BOTTOM OF THE PAGE.

AGENT	**REPUBLIC SERVICES/COMPANY**
SIGNATURE (AUTHORIZED REPRESENTATIVE)	SIGNATURE (AUTHORIZED REPRESENTATIVE)
NAME AND TITLE (PLEASE PRINT)	Paul schultz NAME AND TITLE (PLEASE PRINT)
3-13-2020 DATE	03/13/2020 DATE

Terms and Conditions of Agent Special Waste Service Agreement

4. The Agreement. This agreement of the parties ("Agreement") for the disposal of Acceptable Waste shall consist of this Agreement, riders to the Agreement (if any), any Special Waste Profiles (including approved changes and re certifications) and any Application, permit and approval that may be applicable to the disposal of such Acceptable Waste ("Acceptable Waste Documentation").

5. Waste Accepted at Facility. Agent represents, warrants and covenants that the waste delivered to Company at its Facility hereunder will be Acceptable Waste and will not contain any unacceptable quantity of hazardous materials or substances, radioactive materials or substances, or toxic waste or substances as defined by applicable federal, state, local or provincial laws or regulations. Any waste which does not meet these requirements shall hereinafter be referred to as "Unacceptable Waste". The Agent shall in all matters relating to the collection, transportation and disposal of the Acceptable Waste hereunder, comply with all applicable federal, state and local laws, regulations, rules and orders regarding the same (collectively, "Applicable Laws").

6. Acceptable Waste. Only waste that satisfies each of the following criteria shall be accepted for disposal at the Facility ("Acceptable Waste"): (a) the waste conforms to the description set forth in the Acceptable Waste Documentation; (b) the waste does not contain any Unacceptable Waste; (c) the waste is accurately reflected on any Special Waste Profile(s) as directed by the Company pursuant to Section 7; (d) the waste is acceptable for disposal at the Facility under all Applicable Laws; and (e) the transportation to and disposal of the waste at the Facility is otherwise in accordance with this Agreement. The parties may incorporate additional Acceptable Waste as part of this Agreement. If prior to delivery of such Acceptable Waste to Company, Agent has provided an Application for such Special Waste and Company has approved disposal of such Acceptable Waste within the limitations and conditions contained in Company's written notice of approval of Special Waste. Title to and liability for any and all Acceptable Waste handled or disposed of by Company shall at all times remain with Generator and Agent.

7. Rights of Refusal/Rejection. The Agent shall inspect all Special Waste at the place(s) of collection and shall remove any and all Unacceptable Waste. Company has the right to refuse, or to reject after acceptance, any load(s) of waste(s) delivered to its Facility including if the Company believes (a) the Agent has breached (or is breaching) its representations, warranties, covenants or agreements hereunder, or any Applicable Laws, or (b) that the waste contains Unacceptable Waste. The Company has the right to refuse, or to reject after acceptance, any load(s) of waste(s) delivered to its Facility if the Company has reason to believe, in its sole discretion, that the waste (1) emits excessive odors, (2) negatively impacts operations at the Facility. The Company shall have the right to inspect all vehicles of waste haulers, including the Agent's vehicles, in order to determine whether the waste is Acceptable Waste pursuant to the Agreement and Applicable Laws. The Company's exercise, or failure to exercise, its rights hereunder shall not operate to relieve the Agent of its responsibilities or liability under this Agreement.

8. Limited License to Enter. This Agreement provides Agent with a license to enter the Facility for the limited purpose of, and only to the extent necessary for, off loading Acceptable Waste at the Facility in the manner directed by Company. Except in an emergency, Agent's personnel shall not leave the immediate vicinity of their vehicle. After off-loading the Acceptable Waste, Agent's personnel shall promptly leave the Facility. Under no circumstances shall Agent or its personnel engage in any scavenging of waste or other materials at the Facility. The Company reserves the right to make and enforce reasonable rules and regulations concerning the operation of the Facility, the conduct of the drivers and others on the Facility premises, quantities and sources of waste, and any other matters necessary or desirable for the safe, legal and efficient operation of the Facility including, but not limited to, speed limits on haul roads imposed by the Company, and the wearing of hard hats and other personal protective equipment by all individuals allowed on the Facility premises. Agent agrees to conform to such rules and regulations as they may be established and amended from time to time. Company may refuse to accept waste from and shall deny an entrance license to, any of Agent's personnel when Company believes is under the influence of alcohol or other chemical substances. Agent shall be solely responsible for its employees and subcontractors performing their obligations in a safe manner when at the facility of Company.

9. Charges and Payment. Payment shall be made by Agent within thirty (30) days after receipt of invoice from Company. If any amount is overdue, the Company may terminate this Agreement; Agent agrees to pay a finance charge equal to the maximum interest rate permitted by law. Agent shall be liable for all taxes, fees, or other charges imposed upon the disposal of the Acceptable Waste by federal, state, local or provincial laws and regulations. Company, from time to time, may modify its rates upon thirty (30) days written notice to Agent. For the purposes of this section, written notice may be provided via email, certified mail, or overnight courier. Agent hereby agrees that the Company's right to receive payments under this Agreement is unconditional and is not conditioned upon Agent first receiving payment from Generator or any other party.

10. Termination. Company shall have the right to immediately terminate and/or suspend this Agreement upon the occurrence of any of the following events of default: (a) Agent's failure to timely pay any amounts due under this Agreement to Company, (b) Agent's breach of any of its obligations, representations, warranties or covenants under this Agreement or any Acceptable Waste Documentation, or (c) the filing of a voluntary or involuntary petition for reorganization or bankruptcy against Agent. Agent shall be liable for any losses, claims, expenses and damages incurred by Company as a result of suspension or termination hereunder. Agent's obligations, representations, warranties and covenants regarding the Acceptable Waste delivered and all indemnities contained in this Agreement shall survive expiration and termination of this Agreement. Additionally, Company shall have the right to terminate this Agreement for convenience at any time on 30 days' notice to Agent.

11. Driver's Knowledge and Authority. Agent represents, warrants and covenants that its drivers who deliver Acceptable Waste to Company's Facility have been advised by Agent of the Company's prohibition on deliveries of hazardous materials or substances, radioactive materials or substances or toxic waste or substances or any other Unacceptable Waste to the Facility, of Company's restrictions on deliveries of Special Waste to the Facility of the definitions of "Hazardous Waste and Hazardous Substances" as provided by applicable federal, state and local law, rules and regulations and "Special Waste" as provided herein, and of the terms of this license to enter Company's Facility.

12. Indemnification. Agent shall indemnify, defend and hold harmless the Company and its subsidiaries, affiliates and parent corporations, as applicable and their respective officers, directors, lenders, employees, subcontractors and agents from and against any and all claims, suits, losses, liabilities, assessments, damages, fines, costs and expenses, including reasonable attorneys' fees, arising under federal, state or local laws, regulations or ordinances, or relating to the (a) the transportation in and/or disposal of any Unacceptable Waste at the Facility, whether or not Agent or Company was negligent in failing to identify the Unacceptable Waste; (b) the relocating and/or removal of Unacceptable Waste at the Facility, (c) any penalties, fines or remediation activities incurred by or imposed as the result of the transportation and/or disposal of Unacceptable Waste; (d) any increased inspection, testing, study and analysis costs made necessary due to reasonable concerns of Company as to the content of the waste transported and/or disposed of at the Facility following discovery of potentially Unacceptable Waste, and (e) the Company's inability to use the Facility due to the presence of Unacceptable Waste including without limitation any consequential damages. Company may also, in its sole discretion, require Agent to promptly remove the Unacceptable Waste at Agent's sole expense. The indemnification and other obligations stated in this paragraph shall survive the termination of this Agreement.

13. Insurance. Agent shall maintain in full force and effect throughout the term of this Agreement the following types of insurance in at least the amounts specified below.

Coverages		Minimum Amounts of Insurance
Worker's Compensation		Statutory
Employer's Liability		$1,000,000
General Liability		$1,000,000 combined single limit
Automobile Liability	(where Agent hauling)	$1,000,000 combined single limit

All insurance will be by insurers authorized to do business in the state in which the Facility is located. Agent shall deliver the Certificates of Insurance evidencing the foregoing policies to Company before Agent delivers any waste to the Facility pursuant to this Agreement. In addition, the (i) Commercial General Liability (including the Umbrella/Excess policy) policy must include Contractual Liability coverage specifically covering Agent's indemnification of Company, and (ii) the Commercial General Liability, Automobile Liability and the Umbrella/Excess Liability policies must be written on an "occurrence form". Said policies shall not hereafter be canceled, be permitted to expire or lapse, or be changed without 30 days advance written notice that been given to Company. With the exception of workers' compensation, Company shall be shown as additional insureds under all of the insurance policies required by this Section 13. The policies required by this Section 13 shall be primary and non-contributory with respect to Company, and the insurance providers shall agree to waive their rights of subrogation against Company.

14. Failure to Perform. Except for Generator's obligation to pay amounts due to Company, neither party hereto shall be liable for its failure to perform hereunder due to circumstances not its fault and beyond its reasonable control, including, but not limited to, strikes or other labor disputes, riots, protests, civil disturbances or sabotage, changes in law, fires, floods, compliance with government requests, explosions, accidents, weather, lack of required natural resources, or acts of God affecting either party hereto. In the event of any of the circumstances provided for in the preceding sentence, including, but not limited, to whether any federal, state or local court or governmental authority takes any action which would (i) close or restrict operations at the Facility, (ii) limit the quantity or prohibit the disposal of Acceptable Waste at the Facility, or (iii) limit the ability of or prohibit Agent from delivering Acceptable Waste to the Facility, the Company shall have the right, at its option, to reduce, suspend or terminate Agent's access to the Facility immediately, without prior notice and without any additional liabilities between the parties, other than Agent's payment obligation hereunder. Neither Party is required hereunder to settle any labor disputes against its own best judgment.

15. Assignment. Agent may not assign, transfer or otherwise vest in any other Company, entity or person, in whole or in part, any of its rights or obligations under the Agreement without the prior written consent of the Company; provided, however, that the Company may without any such prior written consent assign its rights and/or obligations under the Agreement to a subsidiary or affiliate corporation.

16. Right of Disposal. This Agreement does not grant any rights to dispose of waste other than in accordance herewith.

17. Continuing Compliance. The Agent has a continuing obligation to inform the Company of any new information, or information not previously provided to the Company by Agent and/or Generator which may affect the acceptability of the waste by the Company. Further, the Agent shall comply with all Company requests for evidence of Agent's continuing compliance with the terms of the Agreement including but not limited to the following: (i) providing new, updated Special Waste profiles on the waste(s) offered for disposal or, (ii) providing appropriate certification that the Special Waste being offered for disposal is accurately reflected by the appropriate Special Waste Profile or, (iii) re sample the waste at Agent's expense if reasonable cause exists as to its acceptability under the terms of this Agreement or, (iv) allow the Company to re sample the waste at Agent's expense if reasonable cause exists as to its acceptability under the terms of this Agreement or any Acceptable Waste Documentation.

18. Miscellaneous.

(A) This Agreement shall be governed by the laws of the State in which the Facility is located.

(B) No waiver of a breach of any of the obligations contained in this Agreement shall be construed to be a waiver of any prior or succeeding breach of the same obligation or of any other obligation of this Agreement.

(C) Unless otherwise provided for herein, no modification, release, discharge or waiver of any provision or obligation hereof shall be of any force, or effect, unless in writing signed by all parties to this Agreement.

(D) Agent shall treat as confidential and not disclose to others during or subsequent to the terms of this Agreement, except as is necessary to perform this Agreement, or to comply with any applicable law or regulation any information (including any technical information, experience or data) regarding the Company's plans, programs, plants, processes, products, costs, equipment or operations which may come within the knowledge of the Agent or its employees in the performance of this Agreement, without in each instance securing the prior written consent of the other Company.

(E) If any term, phrase, obligation or provision of this Agreement shall be held to be invalid, illegal or unenforceable in any respect, this Agreement shall remain in effect and be construed without regard to such term, phrase, obligation or provision.

(F) This Agreement constitutes the entire understanding between the parties, replacing and amending any prior agreements between the parties, and shall be binding upon all parties hereto, their successors, heirs, representatives and assigns. Any provision, term or condition in any acknowledgement, purchase order or other response by Agent which is in addition to or different from the provisions of this Agreement shall be deemed objected to by the Company and shall be of no effect.

(G) Agent represents, warrants and covenants that it is and during the term of this Agreement, will remain, in compliance with and will perform its obligations pursuant to all applicable laws and regulations and shall indemnify, defend and hold harmless the Company from any breach thereof.

(H) It is the understanding and agreement of the parties that the Company is an independent contractor, and is not an agent, nor an authorized representative of the Agent. It is the further understanding and agreement of the parties that Agent is an authorized representative of Generator.

(I) Company may provide any of the Services covered by this Agreement through any of its affiliates or subcontractors, provided that Company shall remain responsible for the performance of all such services and obligations in accordance with this Agreement.

19. Notices. Unless otherwise provided herein, all notices herein provided for shall be considered as having been given upon being placed in the mail, certified postage prepaid addressed to the Company or Agent at the address herein set forth in this Agreement or to such other address as may be given to the other party in writing.

20. Liquidated Damages. If Agent terminates this Agreement before its expiration other than as a result of a breach by Company, Agent shall pay Company an amount equal to the most recent month's monthly charges multiplied by the lesser of (a) six months or (b) the number of months remaining in the term. Agent acknowledges that in the event of such a termination, actual damages to Company would be uncertain and difficult to ascertain; such amount is the best, reasonable and objective estimate of the actual damages to Company, such amount does not constitute a penalty, and such amount is reasonable under the circumstances. Any amount payable under this paragraph shall be in addition to amounts already owing under this Agreement.

AGENT: _____ REPUBLIC SERVICES/COMPANY: _____

Certification No TB-2774
Billing Acct No. 11096
Product Code VH

BILL OF LADING

Contaminated Soil

REGIONAL DISPOSAL COMPANY
54 S. Dawson Street
Seattle, WA 98134
Telephone: (206) 332-7700 / Fax: (206) 332-7600

This Bill of Lading augments the Master Service Agreement ("Agreement") entered into by Archer Construction (Generator/Agent) and Regional Disposal Company ("RDC") on 3/13/2020 (date). The terms herein are made a part of the Agreement. In the event of conflict between this Bill of Lading and the Agreement, the terms of the Agreement prevail.

RDC hereby authorizes the Wastes ("Waste") described in Certification No. TB-2774, signed by Generator/Agent on 3/13/2020 (date), for disposal at Roosevelt Regional Landfill. Contractor shall present a copy of this Bill of Lading with each shipment delivered.

Location of Waste: 29805 Pacific Highway South Federal Way WA

Method of Shipment: Customer

Additional Fees (e.g., laboratory fees, transportation fees, special handling fees, etc. If none, so state):

NA

PERFORMANCE DATE

FOR RDC TRANSPORTATION: Generator shall make the Waste available for shipment no later than 3-17-2020 (date). RDC shall transport the Waste no later than 3-18-2020 (date), unless RDC notifies the Generator in writing that Waste transport shall be suspended or canceled due to RDC's exercise of its right to inspect or analyze the Waste (as provided in the Agreement).

FOR GENERATOR TRANSPORTATION: Agent shall begin delivery of the Waste at [*check one*]:

☐ Roosevelt Regional Landfill. ■ Seattle Transfer Station located at Third and Lander.

Waste delivery shall begin no later than 3/13/2020 (date), and shall complete delivery of the Waste no later than 3/9/2021 (date), unless RDC notifies Generator/Agent in writing to suspend or cancel the waste delivery due to RDC's exercise of its right to inspect or analyze the Waste (As provided in the Agreement).

GENERATOR / AGENT	REGIONAL DISPOSAL COMPANY
Signature	Signature
Printed Name and Title	Teresa Dillashaw SW Sales Printed Name and Title
3-13-2020 Date	3/13/2020 Date

Federal Way Hospital Table (Pages 1-4)
29805 Pacific Highway South
Federal Way, WA

TGE Sample ID	Sample Collection Date
SB3(3-4)	8/24/2017
SB13(0-1)	11/13/2019
SB13(2-3)	
SB13(4-6)	
SB13(8-9)	
SB14(0-1)	
SB14(1-2)	
SB14(2-3)	
SB14(10-12)	
SB14A(0-1)	
SB14A(1-2)	
SB14B(0-1)	
SB14B(1-2)	
SB14C(0-1)	
SB14C(1-2)	
SB14D(0-1)	
SB14D(1-2)	
	11/14/2019
SB15(3-4)	
SB15(6-8)	
SB15(10-12)	
SB15A(0-1)	
SB15A(1-2)	
SB15A(2-3)	
SB15B(0-1)	
SB15B(1-2)	
SB15B(2-3)	
SB15B(3-4)	
SB15B(6-8)	
SB15B(14-15)	
SB15C(0-1)	
SB15C(1-2)	
SB15C(2-3)	
SB15D(0-1)	
SB15D(1-2)	
SB15D(2-3)	
SB16(0-1)	11/13/2019
SB16(1-2)	
SB16(2-3)	
SB16(10-12)	
SB16A(0-1)	
SB16A(1-2)	
SB16B(0-1)	
SB16B(1-2)	
SB16C(0-1)	
SB16C(1-2)	
SB16D(0-1)	
SB16D(1-2)	
SB16D(3-4)	
SB16D(6-8)	
SB16D(14-15)	
SB17(0-1)	
SB17(1-2)	
SB17(2-3)	
SB17(3-4)	
SB17(6-8)	
SB17(14-15)	

TGE Sample ID	Sample Collection Date
SB8(0-1)	10/27/2017
SB17A(0-1)	11/13/2019
SB17A(1-2)	
SB17A(7-8)	
SB17A(12-13)	
SB17B(0-1)	11/14/2019
SB17B(1-2)	
SB17B(2-3)	
SB17B(3-4)	
SB17C(0-1)	11/13/2019
SB17C(1-2)	
SB17C(2-3)	
SB17C(9-10)	
SB17C(14-15)	
SB17D(1-2)	
SB17D(2-3)	
SB17D(3-4)	
SB17E(9-10)	11/14/2019
SB17E(14-15)	
SB17F(6-8)	
SB17F(10-11)	
SB17F(18-20)	
SB17F(24-25)	
SB18(0-1)	
SB18(2-3)	
SB18(4-6)	
SB19(0-1)	
SB19(2-3)	
SB19(4-6)	
SB20(0-1)	
SB20(1-2)	
SB20(2-3)	
SB20(4-6)	
SB20(10-11)	
SB21(4-6)	
SB22(0-1)	
SB22(1-2)	
SB22(2-3)	
SB22(4-6)	
SB23(3-4)	
SB23(4-6)	
SB23(6-8)	
SB23(9-11)	
SB23(12-14)	
SB24(0-1)	
SB24(1-2)	
SB24(2-3)	
SB24(4-6)	
SB25(1-2)	
SB25(2-3)	
SB25(3-4)	
SB25(6-8)	
SB25(8-9)	
SB25(9-10)	
SB25(10-11)	
SB25(14-15)	
SB25(16-17)	
SB25(19-20)	

Federal Way Hospital Table (Pages 1-4)
29805 Pacific Highway South
Federal Way, WA

TGE Sample ID	Sample Collection Date
	11/14/2019
SB27(1-2)	
SB27(2-3)	
SB27-3-4)	
SB27(4-6)	
SB27(6-8)	
SB27(8-9)	
SB27(9-10)	
SB27(10-11)	
SB27(14-15)	
SB27(16-17)	
SB27(19-20)	
SB28(0-1)	
SB28(2-3)	
SB28(4-6)	
SB28(8-9)	
SB28(11-12)	
SB28(16-17)	
SB28(19-20)	
SB29(1-2)	
SB29(3-4)	
SB29(6-8)	
SB29(9-10)	
SB29(11-12)	
SB29(16-17)	
SB29(19-20)	
SB32(1-1.5)	1/7/2020
SB32(1.5-2)	
SB32(5-6)	
SB32(8-9)	
SB32(10-11)	
SB33(.5-1)	
SB33(1-1.5)	
SB33(1.5-2)	
SB33(5-6)	
SB33(8-9)	
SB33(10-11)	
SB33(11-12)	

TGE Sample ID	Sample Collection Date
SB34(.5-1)	1/7/2020
SB34(1-1.5)	
SB34(1.5-2)	
SB34(5-6)	
SB34(8-9)	
SB34(10-11)	
SB36(.5-1)	
SB36(1-1.5)	
SB36(1.5-2)	
SB36(5-6)	
SB36(8-9)	
SB36(10-11)	
SB37(.5-1)	
SB37(1-1.5)	
SB37(1.5-2)	
SB37(5-6)	
SB37(8-9)	
SB37(10-11)	
SB38(.5-1)	
SB38(1-1.5)	
SB38(1.5-2)	
SB38(3-3.5)	
SB38(4.5-5)	
SB38(5-6)	
SB38(6-7)	
SB38(8-9)	
SB38(10-11)	
SB39(.5-1)	
SB39(1-1.5)	
SB39(1.5-2)	
SB39(5-6)	
SB39(8-9)	
	1/8/2020
SB41(2-3)	
SB41(4-6)	
SB41(8-9)	
SB41(10-11)	
SB41(11-12)	
SB41(16-17)	
SB42(2-3)	
SB42(4-6)	
SB42(8-9)	
SB42(10-11)	
SB42(11-12)	
SB42(16-17)	

Federal Way Hospital Table (Pages 1-4)
29805 Pacific Highway South
Federal Way, WA

TGE Sample ID	Sample Collection Date
SB43(2-3)	1/8/2020
SB43(4-6)	
SB43(8-9)	
SB43(10-11)	
SB43(11-12)	
SB43(16-17)	
SB44(2-3)	
SB44(6-8)	
SB44(9-11)	
SB44(15-16)	
SB45(0-1)	
SB45(1-2)	
SB46(0-1)	
SB46(1-2)	
SB46(9-10)	
SB46(14-15)	
SB46(16-18)	
SB46(20-22)	
SB47(0-1)	1/7/2020
SB47(1-2)	
SB48(0-1)	
SB48(1-2)	
SB49(0-1)	
SB49(1-2)	
SB50(0-1)	
SB50(1-2)	
SB51(0-1)	
SB51(1-2)	
SB52(0-1)	
SB52(1-2)	
SB53(0-1)	
SB53(1-2)	

TGE Sample ID	Sample Collection Date
SB54(2-3)	1/8/2020
SB54(4-6)	
SB54(8-9)	
SB54(10-11)	
SB54(11-12)	
SB54(16-17)	
SB55(0-1)	
SB55(1-2)	
SB56(0-1)	
SB56(1-2)	
SB57(0-1)	
SB57(1-2)	
SB58(0-1)	
SB58(1-2)	
SB58(3-4)	
SB59(0-1)	
SB59(1-2)	
SB59(3-4)	
SB60(0-1)	
SB60(1-2)	
SB61(0-1)	
SB61(1-2)	
SB58(0-1)	1/8/2020
SB58(1-2)	
SB58(3-4)	
SB59(0-1)	
SB59(1-2)	
SB59(3-4)	
SB60(0-1)	
SB60(1-2)	
SB61(0-1)	
SB61(1-2)	

Federal Way Hospital Table (Pages 1-4)
29805 Pacific Highway South
Federal Way, WA

TGE Sample ID	Sample Collection Date
BAY 3 E SIDEWALL	1/29/2020
BAY 3 N SIDEWALL	
BAY 3 S SIDEWALL	
BAY 3 SUMP BASE	
BAY 3 SUMP 2 FT BELOW BASE	
BAY 3 W SIDEWALL	
EXTERIOR SUMP BASE	
EXT SUMP E SIDEWALL	
EXT SUMP N SIDEWALL	
EXT SUMP S SIDEWALL	
EXT SUMP W SIDEWALL	

TGE Sample ID	Sample Collection Date
SUMP LINE MIDPOINT	1/30/2020
SUMP LINE MIDPOINT 2' BELOW BASE	
BAY 4 SUMP LINE END	
Bay 1 Sump Base	1/29/2020
Bay 1 Sump E Sidewall	
Bay 1 Sump N Sidewall	
Bay 1 Sump S Sidewall	
Bay 1 Sump W Sidewall	

I further certify that the company has not altered the form or content of this profile sheet as provided by Republic Services.

Mr. Curtis Nelson
Authorized Representative Name (Printed)

Member
Title (Printed)

NWLON, LLC
Company Name

Representative Signature

7-12-20
Date

NikLexi
4178-20-2774
Incomplete #3 3-12-2020

1. The following samples still need TCLP analysis. The profile cannot be approved until the TCLP data is either obtained and confirmed acceptable, or the sample ID is removed from the list.
    a. L1161924-01 (SB-15(0-1)) Lead=107 mg/kg
    b. L1161924-18 (SB-21(2-3)) Lead =684 mg/kg & Chromium=182 mg/kg
    c. L1161924-19 (SB-21(6-8)) Lead=256 mg/kg
    d. L1161924-20 (SB-21(9-11)) Lead=105 mg/kg
    e. L1161924-24 (SB-23(0-1)) Lead=162 mg/kg

Special Waste Profile

Disposal Facility: 4178 Roosevelt Regional MSW Landfill WA

Waste Profile #: 4178 20 2774

Sales Rep #:

I. Generator Information

Generator Name: NikLexi, LLC

Generator Site Address: 29805 Pacific Highway South

City: Federal Way County: King State: Washington Zip:

State ID/Reg No: State Approval/Waste Code: NAICS #:

Generator Mailing Address ☐ (if different) 627 East Francis Avenue

City: Spokane County: State: Washington Zip: 99208

Generator Contact Name: Mr. Curtis Nelson Email: curt@wirbinc.com

Phone Number: 509-484-0464 Ext: Fax Number:

II. Billing Information

Bill To: Archer Construction Contact Name: Glen Richmond

Billing Address: 7855 S 206th St, Email: grichmond@archerconstruction.com

City: Kent State: Washington Zip: 98032 Phone: (253) 951-7546

III. Waste Stream Information

Name of Waste: petroleum contaminated soil

Process Generating Waste: automotive repair facility; northwest corner of property was commercial greenhouse from 1991 to 2000. Areas C3, A6 and E1--- will be segregated and following TCLP testing will be resubmitted via a Change Form.

Type of Waste: Pollution Control Waste Physical State: Solid Method of Shipment: Bulk

Estimated Volume: 1050 Volume Type: Tons

Frequency: One-time Event (single project) Disposal Consideration: Landfill

IV. Representative Sample Certification

☐ **No Sample Taken**

☑ **Sample Taken** **Type of Sample** Grab Sample

Is the representative sample collected to prepare this profile and laboratory analysis, collected in accordance with U.S. EPA 40 CFR 261.20(c) guidelines or equivalent? ☑ **Yes** ☐ **No**

Sample Date: see attached /Federal Way Hospital Table (pages 1 - 4).

Sample ID Numbers or SDS: see attached /Federal Way Hospital Table (pages 1 - 4).

Remember to attach Laboratory Analytical Report (and/or Material Safety Data Sheet) including Chain of Custody and required parameters provided for this profile.

Special Waste Profile

REPUBLIC SERVICES

V. Physical Characteristics of Waste

Characteristic Components (must equal 100%:)	% By Weight (out of 100% - ranges acceptable):
1. soil	100%
2.	
3.	
4.	
5.	

Color:	Odor (describe):	Does Waste Contain Free Liquids?	% Solids:	pH:	Flash Point:
brown	slight	☐ Yes ☑ No	100	n/a	n/a °F

Attach Laboratory Analytical Report (and/or Material Safety Data Sheet) including Chain of Custody and required parameters provided for this profile.

RCRA Regulatory Questions

1. Does this waste or generating process contain regulated concentrations of the following Pesticides and/ or Herbicides: Chlordane, Endrin, Heptachlor (and its epoxides), Lindane, Methoxychlor, Toxaphene, 2,4-D, or 2,4,5-TP Silvex as defined in 40 CFR 261.33?	☐ Yes ☑ No
2. Does this waste contain reactive sulfides (greater than 500 ppm) or reactive cyanide (greater than 250 ppm) [reference 40 CFR 261.23(a)(5)]?	☐ Yes ☑ No
3. Does this waste contain regulated concentrations of Polychlorinated Biphenyls (PCBs) as defined in 40 CFR Part 761?	☐ Yes ☑ No
4. Does this waste contain concentrations of listed hazardous wastes defined in 40 CFR 261.31, 261.32, 261.33, including RCRA F-Listed Solvents?	☐ Yes ☑ No
5. Has this waste been delisted under 40 CFR 260.20 and 260.22? If yes, attach the final decision to delist the waste as published in the Federal Register.	☐ Yes ☑ No
6. Does this waste exhibit a Hazardous Characteristic as defined by Federal and/or State regulations? If Yes, identify the applicable waste code and specify if the waste is hazardous as defined by Federal, State or both?	☐ Yes ☑ No
7. Does this waste contain regulated concentrations of 2,3,7,8-Tetrachlorodibenzodioxin (2,3,7,8-TCCD), or any other dioxin as defined in 40 CFR 261.31?	☐ Yes ☑ No
8. Is this a regulated Medical or Infectious Waste as defined by Federal and/or State regulations?	☐ Yes ☑ No
9. Is this a regulated Radioactive Waste as defined by Federal and/or State regulations?	☐ Yes ☑ No
10. Is this a solid waste that is not a hazardous waste in accordance with 40 CFR 261.4(b)? If yes, please provide the corresponding regulatory citation.	☐ Yes ☑ No

Republic Services Waste Handling Questions

1. Does this waste generate heat or react when contacted with water/moisture?	☐ Yes ☑ No
2. Does the waste contain sulfur or sulfur by-products?	☐ Yes ☑ No
3. Is this waste generated at a State or Federal Superfund cleanup site subject to regulation under CERCLA?	☐ Yes ☑ No
4a. Is this waste from a TSD facility, TSD-like facility or consolidator (i.e. multiple wastes/multiple generators)?	☐ Yes ☑ No

4b. If yes to the above question, please provide clarification.

Special Waste Profile

REPUBLIC SERVICES

VI. Certification

I hereby certify that to the best of my knowledge and belief, the information contained herein is a true, complete and accurate description of the waste material being offered for disposal and all known or suspected hazards have been disclosed. All Analytical Results/Material Safety Data Sheets submitted are truthful and complete and are representative of the waste.

I further certify that by utilizing this profile, neither myself nor any other employee of the company will deliver for disposal or attempt to deliver for disposal any waste which is classified as toxic waste, hazardous waste or infectious waste, or any other waste material this facility is prohibited from accepting by law. I shall immediately give written notice of any change or condition pertaining to the waste not provided herein. Our company hereby agrees to fully indemnify this disposal facility against any damages resulting from this certification being inaccurate or untrue.

I understand that attaching an electronic signature, I am signing this document, consent to complete this transaction and receive all related communication electronically, and agree this document will be binding as though I had physically signed it. A printout of this document may be accepted with the same authority as the original.

If electronic signature is preferred, please submit completed (unsigned) form to your Special Waste Coordinator or Special Waste Sales Executive to initiate signature process.

I further certify that the company has not altered the form or content of this profile sheet as provided by Republic Services.

Mr. Curtis Nelson	Member	NikLexi, LLC
Authorized Representative Name (Printed)	Title (Printed)	Company Name
		7-9-20
Representative Signature		Date

Republic Services

18500 N. Allied Way, Phoenix, AZ 85054

SPECIAL WASTE DEPARTMENT DECISION

	Waste Profile #	Expiration Date	
	4178202774	3/9/2021	

I. Decision Request: ☐ Initial ☐ Recertification ☑ Change

Disposal Facility: 4178 - Roosevelt Regional MSW L/F

Generator Name: NikLexi LLC

Generator Site Address: 29805 Pacific Highway South

City	County	State	Zip
Federal Way		WA	

Name of Waste: Petroleum Contaminated Soil

Estimated Annual Volume: 2244 Tons

II. Special Waste Department Decision: ☑ Approved ☐ Rejected

Management Method(s): ☑ Landfill ☐ Solidification ☐ Bioremediation ☐ Deep Well ☐ Transfer Facility

Problematic Special Waste according to Republic? ☐ Yes ☑ No

If yes, which one?

Approved by Special Waste Review Committee? ☐ Yes ☐ No ☑ Not Applicable

Precautions, Conditions or Limitations on Approval

Per the Special Waste Change form dated 3-16-2020, the estimated volume was increased 1194 tons and the generator added asphalt as a characteristic component of the waste.

Special Waste Analyst Signature: _____ **Name (Printed):** Suzanne Glass

Date: 3/17/2020

III. Facility Decision: ☑ Approved ☐ Rejected

Precautions, Conditions or Limitations on Approval

By signing below, the General Manager or Designee agrees that a fully executed Special Waste Service Agreement is on file for this profile and that the special waste file is complete.

General Manager or Designee: _____ **Name (Printed):** Jeff Sichmeller

Date: 3/17/2020

Special Waste Profile - Change

REPUBLIC SERVICES

I. Generator Information

This form may be used to request changes to an existing Special Waste Profile

Generator Name: NikLexi, LLC

Name of Waste: Petroleum Contaminated Soil

Waste Profile #: 4178202774

II. Purpose of Change

Description of change requested and reason for change
(provide detailed explanation of why the change is requested following the appropriate checked circle below).

Adding TCLP analytical and cured asphalt to waste stream

☑ Volume Increase By: 1,194 tons

Is the analysis originally submitted with the Profile representative of the volume increase? ☐ Yes ☑ No ***If no, complete Section III below***

☐ Extend Expiration Date:

☐ Change or Add Landfill:

☑ Add Additional Laboratory Reports: ***Complete Representative Sample Certification; Section III below***

☐ Add MSDS:

☐ Generator Name Change:

☑ Other: asphalt source is parking area over soils to be excavated.

III. Representative Sample Certification

☐ **No Sample Taken**

☑ **Sample Taken** **Type of Sample** Grab Sample

Is the representative sample collected to prepare this profile and laboratory analysis, collected in accordance with U.S. EPA 40 CFR 261.20(c) guidelines or equivalent? ☑ **Yes** ☐ **No**

Sample Date: 3/12/20

Sample ID Numbers: SB15(0-1), SB21(2-3), SB21(6-8), SB21(9-11), SB23(0-1). SB26(2-3), SB26(4-6), SB26(8-9), SB26(10-11), SB30(0-.5), SB30(.5-1), SB30 (1-1.5), SB31(1-1.5), SB31(1.5-2), SB35(.5-1), SB40(8-9), SB26(0-1)

Special Waste Profile - Change

REPUBLIC SERVICES

IV. Certification

I understand that attaching an electronic signature, I am signing this document, consent to complete this transaction and receive all related communication electronically, and agree this document will be binding as though I had physically signed it. A printout of this document may be accepted with the same authority as the original.

If electronic signature is preferred, please submit completed (unsigned) form to your Special Waste Coordinator or Special Waste Sales Executive to initiate signature process.

I hereby certify that the waste and the process generating the waste are unchanged and are accurately represented in the original profile.

Mr. Curtis Nelson	Member	NikLexi, LLC
Authorized Representative Name (Printed)	Title (Printed)	Company Name
Representative Signature		3/16/20
		Date

ANALYTICAL REPORT

March 16, 2020

TGE Resources

Sample Delivery Group:	L1198735
Samples Received:	03/13/2020
Project Number:	
Description:	Future Federal Way Emergency Center

Report To: Kristi Barnette
8048 Northcourt Road
Houston, TX 77040

Entire Report Reviewed By:

Mark W. Beasley
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

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SB15 (0-1) L1198735-01 Waste

Collected by	Collected date/time	Received date/time
	03/12/20 10:07	03/13/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1443612	1	03/13/20 12:57	03/13/20 12:57	CGD	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1444382	1	03/15/20 10:10	03/15/20 16:07	EL	Mt. Juliet, TN

SB21 (2-3) L1198735-02 Waste

Collected by	Collected date/time	Received date/time
	03/12/20 09:47	03/13/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1443612	1	03/13/20 12:57	03/13/20 12:57	CGD	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1444382	1	03/15/20 10:10	03/15/20 16:34	EL	Mt. Juliet, TN

SB21 (6-8) L1198735-03 Waste

Collected by	Collected date/time	Received date/time
	03/12/20 09:48	03/13/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1443612	1	03/13/20 12:57	03/13/20 12:57	CGD	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1444382	1	03/15/20 10:10	03/15/20 16:37	EL	Mt. Juliet, TN

SB21 (9-11) L1198735-04 Waste

Collected by	Collected date/time	Received date/time
	03/12/20 09:49	03/13/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1443612	1	03/13/20 12:57	03/13/20 12:57	CGD	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1444382	1	03/15/20 10:10	03/15/20 16:39	EL	Mt. Juliet, TN

SB23 (0-1) L1198735-05 Waste

Collected by	Collected date/time	Received date/time
	03/12/20 10:00	03/13/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1443612	1	03/13/20 12:57	03/13/20 12:57	CGD	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1444382	1	03/15/20 10:10	03/15/20 16:42	EL	Mt. Juliet, TN

SB26 (2-3) L1198735-06 Waste

Collected by	Collected date/time	Received date/time
	03/12/20 09:26	03/13/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1443612	1	03/13/20 12:57	03/13/20 12:57	CGD	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1444382	1	03/15/20 10:10	03/15/20 16:45	EL	Mt. Juliet, TN

SB26 (4-6) L1198735-07 Waste

Collected by	Collected date/time	Received date/time
	03/12/20 09:27	03/13/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1443612	1	03/13/20 12:57	03/13/20 12:57	CGD	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1444382	1	03/15/20 10:10	03/15/20 16:48	EL	Mt. Juliet, TN

SB26 (8-9) L1198735-08 Waste

Collected by	Collected date/time	Received date/time
	03/12/20 09:28	03/13/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1443612	1	03/13/20 12:57	03/13/20 12:57	CGD	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1444382	1	03/15/20 10:10	03/15/20 16:51	EL	Mt. Juliet, TN

SB26 (10-11) L1198735-09 Waste

Collected by	Collected date/time	Received date/time
	03/12/20 09:29	03/13/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1443612	1	03/13/20 12:57	03/13/20 12:57	CGD	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1444382	1	03/15/20 10:10	03/15/20 16:54	EL	Mt. Juliet, TN

SB30 (0-0.5) L1198735-10 Waste

Collected by	Collected date/time	Received date/time
	03/12/20 10:10	03/13/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1443612	1	03/13/20 12:57	03/13/20 12:57	CGD	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1444382	1	03/15/20 10:10	03/15/20 16:56	EL	Mt. Juliet, TN

SB30 (.5-1) L1198735-11 Waste

Collected by	Collected date/time	Received date/time
	03/12/20 10:11	03/13/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1443612	1	03/13/20 12:57	03/13/20 12:57	CGD	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1444382	1	03/15/20 10:10	03/15/20 16:59	EL	Mt. Juliet, TN

SB30 (1-1.5) L1198735-12 Waste

Collected by	Collected date/time	Received date/time
	03/12/20 10:12	03/13/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1443612	1	03/13/20 12:57	03/13/20 12:57	CGD	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1444382	1	03/15/20 10:10	03/15/20 15:42	EL	Mt. Juliet, TN

SB31 (1-1.5) L1198735-13 Waste

Collected by	Collected date/time	Received date/time
	03/12/20 10:15	03/13/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1443612	1	03/13/20 12:57	03/13/20 12:57	CGD	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1444382	1	03/15/20 10:10	03/15/20 15:45	EL	Mt. Juliet, TN

SB31 (1.5-2) L1198735-14 Waste

Collected by	Collected date/time	Received date/time
	03/12/20 10:16	03/13/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1443612	1	03/13/20 12:57	03/13/20 12:57	CGD	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1444382	1	03/15/20 10:10	03/15/20 15:47	EL	Mt. Juliet, TN

SB35 (.5-1) L1198735-15 Waste

Collected by	Collected date/time	Received date/time
	03/12/20 10:20	03/13/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1443612	1	03/13/20 12:57	03/13/20 12:57	CGD	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1444382	1	03/15/20 10:10	03/15/20 15:50	EL	Mt. Juliet, TN

SB40 (8-9) L1198735-16 Waste

Collected by	Collected date/time	Received date/time
	03/12/20 09:28	03/13/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1443612	1	03/13/20 12:57	03/13/20 12:57	CGD	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1444382	1	03/15/20 10:10	03/15/20 15:53	EL	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Mark W. Beasley
Project Manager

This data package consists of this signature page, the laboratory review checklist, and the following reportable data as applicable:

R1 - Field chain-of-custody documentation;

R2 - Sample identification cross-reference;

R3 - Test reports (analytical data sheets) for each environmental sample that includes:

a. Items consistent with NELAC Chapter 5,

b. dilution factors,

c. preparation methods,

d. cleanup methods, and

e. if required for the project, tentatively identified compounds (TICs).

R4 - Surrogate recovery data including:

a. Calculated recovery (%R), and

b. The laboratory's surrogate QC limits.

R5 - Test reports/summary forms for blank samples;

R6 - Test reports/summary forms for laboratory control samples (LCSs) including:

a. LCS spiking amounts,

b. Calculated %R for each analyte, and

c. The laboratory's LCS QC limits.

R7 - Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:

a. Samples associated with the MS/MSD clearly identified,

b. MS/MSD spiking amounts,

c. Concentration of each MS/MSD analyte measured in the parent and spiked samples,

d. Calculated %Rs and relative percent differences (RPDs), and

e. The laboratory's MS/MSD QC limits

R8 - Laboratory analytical duplicate (if applicable) recovery and precision:

a. The amount of analyte measured in the duplicate,

b. The calculated RPD, and

c. The laboratory's QC limits for analytical duplicates.

R9 - List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

R10 - Other problems or anomalies.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm to the best of my knowledge all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Mark W. Beasley
Project Manager

Laboratory Review Checklist: Reportable Data

Laboratory Name: Pace Analytical National	LRC Date: 03/16/2020 11:51
Project Name: Future Federal Way Emergency Center	Laboratory Job Number: L1198735-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15 and 16
Reviewer Name: Mark W. Beasley	Prep Batch Number(s): WG1444514, WG1444382 and WG1443612

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	Chain-of-custody (C-O-C)					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	Sample and quality control (QC) identification					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	Test reports					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, are TICs reported?			X		
R4	O	Surrogate recovery data					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	X				
R5	OI	Test reports/summary forms for blank samples					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	Laboratory control samples (LCS):					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7	OI	Matrix spike (MS) and matrix spike duplicate (MSD) data					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	Analytical duplicate data					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	Method quantitation limits (MQLs):					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	Other problems/anomalies					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference effects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Supporting Data

Laboratory Name: Pace Analytical National	LRC Date: 03/16/2020 11:51
Project Name: Future Federal Way Emergency Center	Laboratory Job Number: L1198735-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15 and 16
Reviewer Name: Mark W. Beasley	Prep Batch Number(s): WG1444514, WG1444382 and WG1443612

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	Initial calibration (ICAL)					
		Were response factors and/or relative response factors for each analyte within QC limits?			X		
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB):					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	Mass spectral tuning					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	Internal standards (IS)					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	Raw data (NELAC Section 5.5.10)					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?			X		
S6	O	Dual column confirmation					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	Tentatively identified compounds (TICs)					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	Interference Check Sample (ICS) results					
		Were percent recoveries within method QC limits?	X				
S9	I	Serial dilutions, post digestion spikes, and method of standard additions					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10	OI	Method detection limit (MDL) studies					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	Proficiency test reports					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	Standards documentation					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	Compound/analyte identification procedures					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	Demonstration of analyst competency (DOC)					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	Verification/validation documentation for methods (NELAC Chapter 5)					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	Laboratory standard operating procedures (SOPs)					
		Are laboratory SOPs current and on file for each method performed	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Reports

Laboratory Name: Pace Analytical National	LRC Date: 03/16/2020 11:51
Project Name: Future Federal Way Emergency Center	Laboratory Job Number: L1198735-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15 and 16
Reviewer Name: Mark W. Beasley	Prep Batch Number(s): WG1444514, WG1444382 and WG1443612

ER #[1]	Description
	The Exception Report intentionally left blank, there are no exceptions applied to this SDG.

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		3/13/2020 12:57:55 PM	WG1443612
Fluid	1		3/13/2020 12:57:55 PM	WG1443612
Initial pH	7.22		3/13/2020 12:57:55 PM	WG1443612
Final pH	4.64		3/13/2020 12:57:55 PM	WG1443612

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MQL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Lead	ND		0.100	5	1	03/15/2020 16:07	WG1444382

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		3/13/2020 12:57:55 PM	WG1443612
Fluid	1		3/13/2020 12:57:55 PM	WG1443612
Initial pH	6.85		3/13/2020 12:57:55 PM	WG1443612
Final pH	4.63		3/13/2020 12:57:55 PM	WG1443612

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MQL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Chromium	ND		0.100	5	1	03/15/2020 16:34	WG1444382
Lead	0.473		0.100	5	1	03/15/2020 16:34	WG1444382

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		3/13/2020 12:57:55 PM	WG1443612
Fluid	1		3/13/2020 12:57:55 PM	WG1443612
Initial pH	6.72		3/13/2020 12:57:55 PM	WG1443612
Final pH	4.63		3/13/2020 12:57:55 PM	WG1443612

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MQL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Lead	0.240		0.100	5	1	03/15/2020 16:37	WG1444382

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		3/13/2020 12:57:55 PM	WG1443612
Fluid	1		3/13/2020 12:57:55 PM	WG1443612
Initial pH	5.82		3/13/2020 12:57:55 PM	WG1443612
Final pH	4.65		3/13/2020 12:57:55 PM	WG1443612

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MQL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Lead	ND		0.100	5	1	03/15/2020 16:39	WG1444382

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		3/13/2020 12:57:55 PM	WG1443612
Fluid	1		3/13/2020 12:57:55 PM	WG1443612
Initial pH	4.97		3/13/2020 12:57:55 PM	WG1443612
Final pH	4.62		3/13/2020 12:57:55 PM	WG1443612

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MQL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Lead	ND		0.100	5	1	03/15/2020 16:42	WG1444382

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		3/13/2020 12:57:55 PM	WG1443612
Fluid	1		3/13/2020 12:57:55 PM	WG1443612
Initial pH	5.99		3/13/2020 12:57:55 PM	WG1443612
Final pH	4.63		3/13/2020 12:57:55 PM	WG1443612

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MQL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Lead	0.642		0.100	5	1	03/15/2020 16:45	WG1444382

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		3/13/2020 12:57:55 PM	WG1443612
Fluid	1		3/13/2020 12:57:55 PM	WG1443612
Initial pH	6.05		3/13/2020 12:57:55 PM	WG1443612
Final pH	4.63		3/13/2020 12:57:55 PM	WG1443612

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MQL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Lead	0.792		0.100	5	1	03/15/2020 16:48	WG1444382

1 Cp
2 Tc
3 Ss
4 Cn
5 Tr
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		3/13/2020 12:57:55 PM	WG1443612
Fluid	1		3/13/2020 12:57:55 PM	WG1443612
Initial pH	7.43		3/13/2020 12:57:55 PM	WG1443612
Final pH	4.65		3/13/2020 12:57:55 PM	WG1443612

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MQL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Lead	0.454		0.100	5	1	03/15/2020 16:51	WG1444382

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		3/13/2020 12:57:55 PM	WG1443612
Fluid	1		3/13/2020 12:57:55 PM	WG1443612
Initial pH	7.15		3/13/2020 12:57:55 PM	WG1443612
Final pH	4.64		3/13/2020 12:57:55 PM	WG1443612

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MQL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Lead	0.400		0.100	5	1	03/15/2020 16:54	WG1444382

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		3/13/2020 12:57:55 PM	WG1443612
Fluid	1		3/13/2020 12:57:55 PM	WG1443612
Initial pH	6.72		3/13/2020 12:57:55 PM	WG1443612
Final pH	4.63		3/13/2020 12:57:55 PM	WG1443612

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MQL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.122		0.100	5	1	03/15/2020 16:56	WG1444382
Lead	0.293		0.100	5	1	03/15/2020 16:56	WG1444382

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		3/13/2020 12:57:55 PM	WG1443612
Fluid	1		3/13/2020 12:57:55 PM	WG1443612
Initial pH	6.86		3/13/2020 12:57:55 PM	WG1443612
Final pH	4.64		3/13/2020 12:57:55 PM	WG1443612

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MQL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.205		0.100	5	1	03/15/2020 16:59	WG1444382
Lead	0.317		0.100	5	1	03/15/2020 16:59	WG1444382

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		3/13/2020 12:57:55 PM	WG1443612
Fluid	1		3/13/2020 12:57:55 PM	WG1443612
Initial pH	6.91		3/13/2020 12:57:55 PM	WG1443612
Final pH	4.64		3/13/2020 12:57:55 PM	WG1443612

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MQL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Arsenic	ND		0.100	5	1	03/15/2020 15:42	WG1444382
Lead	ND		0.100	5	1	03/15/2020 15:42	WG1444382

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		3/13/2020 12:57:55 PM	WG1443612
Fluid	1		3/13/2020 12:57:55 PM	WG1443612
Initial pH	6.72		3/13/2020 12:57:55 PM	WG1443612
Final pH	4.64		3/13/2020 12:57:55 PM	WG1443612

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MQL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.107		0.100	5	1	03/15/2020 15:45	WG1444382
Lead	0.264		0.100	5	1	03/15/2020 15:45	WG1444382

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		3/13/2020 12:57:55 PM	WG1443612
Fluid	1		3/13/2020 12:57:55 PM	WG1443612
Initial pH	6.80		3/13/2020 12:57:55 PM	WG1443612
Final pH	4.65		3/13/2020 12:57:55 PM	WG1443612

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MQL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.195		0.100	5	1	03/15/2020 15:47	WG1444382
Lead	0.149		0.100	5	1	03/15/2020 15:47	WG1444382

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		3/13/2020 12:57:55 PM	WG1443612
Fluid	1		3/13/2020 12:57:55 PM	WG1443612
Initial pH	6.75		3/13/2020 12:57:55 PM	WG1443612
Final pH	4.64		3/13/2020 12:57:55 PM	WG1443612

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MQL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Arsenic	ND		0.100	5	1	03/15/2020 15:50	WG1444382
Lead	0.197		0.100	5	1	03/15/2020 15:50	WG1444382

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		3/13/2020 12:57:55 PM	WG1443612
Fluid	1		3/13/2020 12:57:55 PM	WG1443612
Initial pH	6.76		3/13/2020 12:57:55 PM	WG1443612
Final pH	4.64		3/13/2020 12:57:55 PM	WG1443612

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MQL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Lead	0.133		0.100	5	1	03/15/2020 15:53	WG1444382

Method Blank (MB)

(MB) R3508836-1 03/15/20 16:01

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.0333	0.100
Chromium	U		0.0333	0.100
Lead	U		0.0333	0.100

Laboratory Control Sample (LCS)

(LCS) R3508836-2 03/15/20 16:04

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	10.0	9.68	96.8	80.0-120	
Chromium	10.0	9.85	98.5	80.0-120	
Lead	10.0	9.71	97.1	80.0-120	

L1198735-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1198735-01 03/15/20 16:07 • (MS) R3508836-4 03/15/20 16:12 • (MSD) R3508836-5 03/15/20 16:15

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	10.0	ND	9.62	9.74	96.2	97.4	1	75.0-125			1.27	20
Chromium	10.0	ND	9.83	9.89	98.3	98.9	1	75.0-125			0.667	20
Lead	10.0	ND	9.69	9.78	96.2	97.0	1	75.0-125			0.847	20

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
MQL	Method Quantitation Limit.
ND	Not detected at the Method Quantitation Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
U	Not detected at the Sample Detection Limit.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.

TGE Resources

8048 Northcourt Road
Houston, TX 77040

Billing Information:
Kim Pham
8048 Northcourt Road
Houston, TX 77040

Pres Chk

Report to: Kristi Barnette

Email To: krbarnette@tgeresources.com

Project Description: Future Federal Way Emergency

City/State Collected:

Please Circle: PT MT CT ET

Phone: 713-744-5800
Fax: 713-744-5888

Client Project #

Lab Project # TGERESHTX-8933

Collected by (print):

Site/Facility ID #

P.O. # 8933

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
X Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	TCLP As 8ozClr-NoPres	TCLP Cr 8ozClr-NoPres	TCLP Pb 8ozClr-NoPres	% moisture	Remarks	Sample # (lab only)
SB15(0-1)	Grab	SS	0-1	3/12/20	1007	1			X	X		01
SB21(2-3)	Grab	SS	2-3	3/12/20	947	1		X	X	X		02
SB21(6-8)	Grab	SS	6-8	3/12/20	948	1			X	X		03
SB21(9-11)	Grab	SS	9-11	3/12/20	949	1			X	X		04
SB23(0-1)	Grab	SS	0-1	3/12/20	1000	1			X	X		05
SB26(0-1)	Grab	SS	0-1	3/12/20	925	1			X	X		
SB26(2-3)	Grab	SS	2-3	3/12/20	926	1			X	X		06
SB26(4-6)	Grab	SS	4-6	3/12/20	927	1			X	X		07
SB26(8-9)	Grab	SS	8-9	3/12/20	928	1			X	X		08
SB26(10-11)	Grab	SS	10-11	3/12/20	929	1			X	X		09

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: ****Log as R1 next day TAT****

0.8/0.3/0.9/0.5/0.4

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __UPS __FedEx __Courier _____

Tracking # 1141 1752 3500/3473/3521/3598 1675 8603 9535/1676 2749 8863

Chain of Custody Page ___ of ___

Pace Analytical®
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

SDG # 114775

G046

Acctnum: TGERESHTX
Template: T164547
Prelogin: P761366
PM: 134 - Mark W. Beasley
PB:
Shipped Via:

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
KBarnette	3/12/20	1200		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 2.0 °C Bottles Received: 16
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Carol Kemp	Date: 3/13/20 Time: 8:45

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

TGE Resources

8048 Northcourt Road
Houston, TX 77040

Billing Information:
Kim Pham
8048 Northcourt Road
Houston, TX 77040

Pres Chk

Report to: Kristi Barnette

Email To: krbarnette@tgeresources.com

Project Description: Future Federal Way Emergency

City/State Collected:

Please Circle: PT MT CT ET

Phone: 713-744-5800
Fax: 713-744-5888

Client Project #

Lab Project # TGERESHTX-8933

Collected by (print): KBarnette

Site/Facility ID #

P.O. # 8933

Collected by (signature): KBarnette

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
X Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	TCLP As 8ozClr-NoPres	TCLP Cr 8ozClr-NoPres	TCLP Pb 8ozClr-NoPres	%o moisture	Remarks	Sample # (lab only)
SB30(0-0.5)	Grab	SS	0-.5	3/12/20	1010	1	X		X	X		10
SB30 (.5-1)	Grab	SS	.5-1	3/12/20	1011	1	X		X	X		11
SB30 (1-1.5)	Grab	SS	1-1.5	3/12/20	1012	1	X		X	X		12
SB31 (1-1.5)	Grab	SS	1-1.5	3/12/20	1015	1	X		X	X		13
SB31 (1.5-2)	Grab	SS	1.5-2	3/12/20	1016	1	X		X	X		14
SB35 (.5-1)	Grab	SS	.5-1	3/12/20	1020	1	X		X	X		15
SB40 (8-9)	Grab	SS	8-9	3/12/20	928	1			X	X		16

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

SDG # 119875

Table #

Acctnum: TGERESHTX

Template: T164547

Prelogin: P761366

PM: 134 - Mark W. Beasley

PB:

Shipped Via:

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: ****Log as R1 next day TAT****

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
KBarnette	3/12/20	1200		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.2 °C Bottles Received: 16
				1.0+4=0.6
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 3/13/20 Time: 8:45
			Carol Hemm	

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

Matt Shacklock

Pace Analytical®
National Center for Testing & Innovation

Login #:1198735	Client: TGERESHTX	Date:3/13/20	Evaluated by:Carol K

Non-Conformance (check applicable items)

	Sample Integrity		Chain of Custody Clarification		
	Parameter(s) past holding time	x	Login Clarification Needed		**If Broken Container:**
	Temperature not in range		Chain of custody is incomplete		Insufficient packing material around container
	Improper container type		Please specify Metals requested.		Insufficient packing material inside cooler
	pH not in range.		Please specify TCLP requested.		Improper handling by carrier (FedEx / UPS / Couri
	Insufficient sample volume.		Received additional samples not listed on coc.		Sample was frozen
	Sample is biphasic.		Sample ids on containers do not match ids on coc		Container lid not intact
	Vials received with headspace.		Trip Blank not received.		**If no Chain of Custody:**
	Broken container		Client did not "X" analysis.		Received by:
	Broken container:		Chain of Custody is missing		Date/Time:
	Sufficient sample remains				Temp./Cont. Rec./pH:
					Carrier:
					Tracking#

Login Comments: Didn't receive ID SB 26 (0-1)

Client informed by:		Call		Email		Voice Mail		Date: 3/13/20	Time: 1340
TSR Initials: MB	Client Contact: Kristi Barnette								

Login Instructions:

Client notified

ANALYTICAL REPORT

March 16, 2020

TGE Resources

Sample Delivery Group:	L1199148
Samples Received:	03/14/2020
Project Number:	
Description:	Future Federal Way Emergency Center

Report To: Kristi Barnette
8048 Northcourt Road
Houston, TX 77040

Entire Report Reviewed By:

Mark W. Beasley
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

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SB26 (0-1) L1199148-01 Waste

Collected by: K. Barnette
Collected date/time: 03/13/20 12:15
Received date/time: 03/14/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1444280	1	03/14/20 20:50	03/14/20 20:50	CGD	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1444438	1	03/15/20 12:53	03/15/20 15:20	EL	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Mark W. Beasley
Project Manager

This data package consists of this signature page, the laboratory review checklist, and the following reportable data as applicable:

R1 - Field chain-of-custody documentation;

R2 - Sample identification cross-reference;

R3 - Test reports (analytical data sheets) for each environmental sample that includes:

a. Items consistent with NELAC Chapter 5,

b. dilution factors,

c. preparation methods,

d. cleanup methods, and

e. if required for the project, tentatively identified compounds (TICs).

R4 - Surrogate recovery data including:

a. Calculated recovery (%R), and

b. The laboratory's surrogate QC limits.

R5 - Test reports/summary forms for blank samples;

R6 - Test reports/summary forms for laboratory control samples (LCSs) including:

a. LCS spiking amounts,

b. Calculated %R for each analyte, and

c. The laboratory's LCS QC limits.

R7 - Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:

a. Samples associated with the MS/MSD clearly identified,

b. MS/MSD spiking amounts,

c. Concentration of each MS/MSD analyte measured in the parent and spiked samples,

d. Calculated %Rs and relative percent differences (RPDs), and

e. The laboratory's MS/MSD QC limits

R8 - Laboratory analytical duplicate (if applicable) recovery and precision:

a. The amount of analyte measured in the duplicate,

b. The calculated RPD, and

c. The laboratory's QC limits for analytical duplicates.

R9 - List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

R10 - Other problems or anomalies.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm to the best of my knowledge all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Mark W. Beasley
Project Manager

Laboratory Review Checklist: Reportable Data

Laboratory Name: Pace Analytical National	LRC Date: 03/16/2020 13:40
Project Name: Future Federal Way Emergency Center	Laboratory Job Number: L1199148-01
Reviewer Name: Mark W. Beasley	Prep Batch Number(s): WG1444438, WG1444511 and WG1444280

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	Chain-of-custody (C-O-C)					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	Sample and quality control (QC) identification					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	Test reports					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, are TICs reported?			X		
R4	O	Surrogate recovery data					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	X				
R5	OI	Test reports/summary forms for blank samples					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	Laboratory control samples (LCS):					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7	OI	Matrix spike (MS) and matrix spike duplicate (MSD) data					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	Analytical duplicate data					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	Method quantitation limits (MQLs):					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	Other problems/anomalies					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference effects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Supporting Data

Laboratory Name: Pace Analytical National	LRC Date: 03/16/2020 13:40
Project Name: Future Federal Way Emergency Center	Laboratory Job Number: L1199148-01
Reviewer Name: Mark W. Beasley	Prep Batch Number(s): WG1444438, WG1444511 and WG1444280

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	Initial calibration (ICAL)					
		Were response factors and/or relative response factors for each analyte within QC limits?			X		
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB):					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	Mass spectral tuning					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	Internal standards (IS)					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	Raw data (NELAC Section 5.5.10)					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?			X		
S6	O	Dual column confirmation					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	Tentatively identified compounds (TICs)					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	Interference Check Sample (ICS) results					
		Were percent recoveries within method QC limits?	X				
S9	I	Serial dilutions, post digestion spikes, and method of standard additions					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10	OI	Method detection limit (MDL) studies					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	Proficiency test reports					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	Standards documentation					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	Compound/analyte identification procedures					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	Demonstration of analyst competency (DOC)					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	Verification/validation documentation for methods (NELAC Chapter 5)					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	Laboratory standard operating procedures (SOPs)					
		Are laboratory SOPs current and on file for each method performed	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Reports

Laboratory Name: Pace Analytical National	LRC Date: 03/16/2020 13:40
Project Name: Future Federal Way Emergency Center	Laboratory Job Number: L1199148-01
Reviewer Name: Mark W. Beasley	Prep Batch Number(s): WG1444438, WG1444511 and WG1444280

ER #[1]	Description
	The Exception Report intentionally left blank, there are no exceptions applied to this SDG.

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		3/14/2020 8:50:24 PM	WG1444280
Fluid	1		3/14/2020 8:50:24 PM	WG1444280
Initial pH	6.95		3/14/2020 8:50:24 PM	WG1444280
Final pH	4.66		3/14/2020 8:50:24 PM	WG1444280

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MQL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Lead	0.571		0.100	5	1	03/15/2020 15:20	WG1444438

Method Blank (MB)

(MB) R3508835-1 03/15/20 15:04

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Lead	U		0.0333	0.100

Laboratory Control Sample (LCS)

(LCS) R3508835-2 03/15/20 15:07

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead	10.0	9.74	97.4	80.0-120	

L1197678-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1197678-13 03/15/20 15:10 • (MS) R3508835-4 03/15/20 15:15 • (MSD) R3508835-5 03/15/20 15:17

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Lead	10.0	ND	9.43	9.56	94.3	95.6	1	75.0-125			1.46	20

L1199148-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1199148-01 03/15/20 15:20 • (MS) R3508835-6 03/15/20 15:23 • (MSD) R3508835-7 03/15/20 15:26

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Lead	10.0	0.571	10.2	10.2	96.2	96.7	1	75.0-125			0.507	20

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
MQL	Method Quantitation Limit.
ND	Not detected at the Method Quantitation Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
U	Not detected at the Sample Detection Limit.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
	The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.

TGE Resources

8048 Northcourt Road
Houston, TX 77040

Billing Information:
Kim Pham
8048 Northcourt Road
Houston, TX 77040

Pres Chk

Report to: Kristi Barnette

Email To: krbarnette@tgeresources.com

Project Description: Future Federal Way Emergency

City/State Collected:

Please Circle: PT MT CT ET

Phone: 713-744-5800
Fax: 713-744-5888

Client Project #

Lab Project # TGERESHTX-8933

Collected by (print): K Barnette

Site/Facility ID #

P.O. # 8933

Collected by (signature): K Barnette

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	MRCRA8 8ozClr-NoPres	NWTPHDXNOSGT 8ozClr-NoPres	NWTPHGX 40mlAmb/MeOH5ml/Syr	V8260 40mlAmb/MeOH5ml/Syr	X TCLP Lead	X %Moisture	Remarks	Sample # (lab only)
SB26 (0-1)	Grab	SS	0-1	3/13/20	1215	1					X	X		01
		SS												
		SS												
		SS												
		SS												
		SS												
		SS												
		SS												
		SS												
		SS												
		SS												

Chain of Custody Page ___ of ___

Pace Analytical®
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

SDG # 1199148

Tab A175

Acctnum: TGERESHTX

Template: T164105

Prelogin: P760774

PM: 134 - Mark W. Beasley

PB:

Shipped Via: FedEX Ground

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: ****Log as R1 same day TAT****

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking # 4142 5218 2757

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

	Date:	Time:		
Relinquished by: (Signature) K Barnette	3/13/20	1300	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeOH TBR
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 0.7 °C Bottles Received: 0.7-3204 1
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) Sandy Yossef	Date: 3/14/20 Time:

If preservation required by Login: Date/Time

Hold:

Condition NCF 10

Republic Services

18500 N. Allied Way, Phoenix, AZ 85054

SPECIAL WASTE DEPARTMENT DECISION

	Waste Profile #	Expiration Date	
	4178202774	3/9/2021	

I. Decision Request: ☐ Initial ☐ Recertification ☑ Change

Disposal Facility: 4178 - Roosevelt Regional MSW L/F

Generator Name: NikLexi LLC

Generator Site Address: 29805 Pacific Highway South

City	County	State	Zip
Federal Way		WA	

Name of Waste: Petroleum Contaminated Soil

Estimated Annual Volume: 2644 Tons

II. Special Waste Department Decision: ☑ Approved ☐ Rejected

Management Method(s): ☑ Landfill ☐ Solidification ☐ Bioremediation ☐ Deep Well ☐ Transfer Facility

Problematic Special Waste according to Republic? ☐ Yes ☑ No

If yes, which one?

Approved by Special Waste Review Committee? ☐ Yes ☐ No ☑ Not Applicable

Precautions, Conditions or Limitations on Approval

Per the Special Waste Change form dated 3-23-2020, the estimated volume was increased 400 TONS.

Special Waste Analyst Signature: _____ **Name (Printed):** Suzanne Glass

Date: 3/24/2020

III. Facility Decision: ☑ Approved ☐ Rejected

Precautions, Conditions or Limitations on Approval

By signing below, the General Manager or Designee agrees that a fully executed Special Waste Service Agreement is on file for this profile and that the special waste file is complete.

General Manager or Designee: _____ **Name (Printed):** Jeff Sichmeller

Date: 3/24/2020

Special Waste Profile - Change

I. Generator Information

This form may be used to request changes to an existing Special Waste Profile

Generator Name: NikLexi, LLC

Name of Waste: Petroleum Contaminated Soil

Waste Profile #: 4178202774

II. Purpose of Change

Description of change requested and reason for change
(provide detailed explanation of why the change is requested following the appropriate checked circle below).

Adding additional tonnage; under estimated tonnage initially

☑ Volume Increase By: 400 tons

Is the analysis originally submitted with the Profile representative of the volume increase? ☑ Yes ☐ No ***If no, complete Section III below***

☐ Extend Expiration Date:

☐ Change or Add Landfill:

☐ Add Additional Laboratory Reports: ***Complete Representative Sample Certification; Section III below***

☐ Add MSDS:

☐ Generator Name Change:

☐ Other:

III. Representative Sample Certification

☑ **No Sample Taken**

☐ **Sample Taken** **Type of Sample** --Select Sample Type--

Is the representative sample collected to prepare this profile and laboratory analysis, collected in accordance with U.S. EPA 40 CFR 261.20(c) guidelines or equivalent? ☐ **Yes** ☐ **No**

Sample Date:

Sample ID Numbers:

Special Waste Profile - Change

REPUBLIC SERVICES

IV. Certification

I understand that attaching an electronic signature, I am signing this document, consent to complete this transaction and receive all related communication electronically, and agree this document will be binding as though I had physically signed it. A printout of this document may be accepted with the same authority as the original.

If electronic signature is preferred, please submit completed (unsigned) form to your Special Waste Coordinator or Special Waste Sales Executive to initiate signature process.

I hereby certify that the waste and the process generating the waste are unchanged and are accurately represented in the original profile.

Mr. Curtis Nelson	Member	NikLexi, LLC
Authorized Representative Name (Printed)	Title (Printed)	Company Name
Representative Signature	~~3/16/20~~ 3-23-20	Date

SITE **REGIONAL DISPOSAL INTERMODAL --**
3rd and lander Seattle, WA

CUSTOMER 011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	985400	

WEIGHMASTER: IN - Kim L. OUT - Karyn B.

DATE/TIME IN	DATE/TIME OUT
6/19/20 7:55 am	6/19/20 8:06 am

VEHICLE	CONTAINER
106 ARCHER	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 98,100 NET TONS 27.70 INBOUND
SCALE OUT TARE WEIGHT 42,700 NET WEIGHT 55,400 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
27.70	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (04/19)

SIGNATURE _____

SITE **REGIONAL DISPOSAL INTERMODAL --**
3rd and lander -Seattle, WA

CUSTOMER 011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE 01	TICKET # 985399	CELL	
WEIGHMASTER	IN - Kim L.	OUT - Karyn B.	
DATE/TIME IN	6/19/20 7:51 am	DATE/TIME OUT	6/19/20 8:04 am
VEHICLE	102 ARCHER	CONTAINER	
REFERENCE			
BILL OF LADING			

SCALE IN GROSS WEIGHT 93,040 NET TONS 25.96
SCALE OUT TARE WEIGHT 41,120 NET WEIGHT 51,920

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
25.96	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (04/19)

SIGNATURE _____

SITE

REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER

011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	985406	

WEIGHMASTER: Kim L.

DATE/TIME IN	DATE/TIME OUT
6/19/20 9:18 am	6/19/20 9:18 am

VEHICLE: 102 ARCHER

CONTAINER:

REFERENCE:

BILL OF LADING:

SCALE IN GROSS WEIGHT 96,200 NET TONS 27.54 INBOUND
TARE OUT TARE WEIGHT 41,120 NET WEIGHT 55,080 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
27.54	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT

TENDERED

CHANGE

CHECK#

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RS-F042UPR (04/19)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE 01	TICKET # 983773	CELL	
WEIGHMASTER	IN - Kelly F. OUT - Florence D.		
DATE/TIME IN	3/19/20 12:57 pm	DATE/TIME OUT	3/19/20 1:07 pm
VEHICLE	106 ARCHER	CONTAINER	
REFERENCE			
BILL OF LADING			

SCALE IN GROSS WEIGHT 104,440 NET TONS 31.20
SCALE OUT TARE WEIGHT 42,040 NET WEIGHT 62,400

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
31.20	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	983772	

WEIGHMASTER: IN - Kelly F. OUT - Florence D.

DATE/TIME IN	DATE/TIME OUT
3/19/20 12:54 pm	3/19/20 1:05 pm

VEHICLE	CONTAINER
102 ARCHER	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 102,300 NET TONS 30.53
SCALE OUT TARE WEIGHT 41,240 NET WEIGHT 61,060

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
30.53	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT

TENDERED

CHANGE

CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	983746	

WEIGHMASTER: IN - Florence D. OUT - Karyn B.

DATE/TIME IN	DATE/TIME OUT
3/19/20 8:34 am	3/19/20 9:06 am

VEHICLE	CONTAINER
106 ARCHER	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 111,360 NET TONS 34.43
SCALE OUT TARE WEIGHT 42,500 NET WEIGHT 68,860

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
34.43	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	983740	

WEIGHMASTER: IN - Florence D. OUT - Karyn B.

DATE/TIME IN	DATE/TIME OUT
3/19/20 8:12 am	3/19/20 8:22 am

VEHICLE	CONTAINER
102 ARCHER	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 110,460 NET TONS 34.11
SCALE OUT TARE WEIGHT 42,240 NET WEIGHT 68,220

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
34.11	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT

TENDERED

CHANGE

CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER 011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	983755	

WEIGHMASTER: IN - Florence B. OUT - Karyn B.

DATE/TIME IN	DATE/TIME OUT
3/19/20 9:43 am	3/19/20 10:11 am

VEHICLE	CONTAINER
102 ARCHER	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 101,780 NET TONS 29.73 INBOUND
SCALE OUT TARE WEIGHT 42,320 NET WEIGHT 59,460 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
29.73	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT

TENDERED

CHANGE

CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER 011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	983758	

WEIGHMASTER: IN - Florence D. OUT - Karyn B.

DATE/TIME IN	DATE/TIME OUT
3/19/20 10:13 am	3/19/20 10:21 am

VEHICLE	CONTAINER
106 ARCHER	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 97,720 NET TONS 27.75 INBOUND
SCALE OUT TARE WEIGHT 42,220 NET WEIGHT 55,500 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
27.75	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT

TENDERED

CHANGE

CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE **REGIONAL DISPOSAL INTERMODAL --**
3rd and lander -Seattle, WA

CUSTOMER 011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE 01	TICKET # 983765	CELL
WEIGHMASTER	IN - Florence D. OUT - Karyn B.	
DATE/TIME IN 3/19/20 11:23 am	DATE/TIME OUT 3/19/20 11:41 am	
VEHICLE 102 ARCHER	CONTAINER	
REFERENCE		
BILL OF LADING		

SCALE IN GROSS WEIGHT 100,780 NET TONS 29.77
SCALE OUT TARE WEIGHT 41,240 NET WEIGHT 59,540

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
29.77	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE 01	TICKET # 983766	CELL
WEIGHMASTER	IN - Florence D. OUT - Karyn B.	
DATE/TIME IN 3/19/20 11:25 am	DATE/TIME OUT 3/19/20 11:43 am	
VEHICLE 106 ARCHER	CONTAINER	
REFERENCE		
BILL OF LADING		

SCALE IN GROSS WEIGHT 104,240 NET TONS 31.02
SCALE OUT TARE WEIGHT 42,200 NET WEIGHT 62,040

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
31.02	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER 011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	983780	

WEIGHMASTER: IN - Kelly F. OUT - Florence D.

DATE/TIME IN	DATE/TIME OUT
3/19/20 2:18 pm	3/19/20 2:28 pm

VEHICLE: 102 ARCHER
CONTAINER:
REFERENCE:
BILL OF LADING:

SCALE IN GROSS WEIGHT 107,640 NET TONS 33.24 INBOUND
SCALE OUT TARE WEIGHT 41,160 NET WEIGHT 66,480 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
33.24	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER
011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	983781	

WEIGHMASTER: IN - Kelly F. OUT - Florence D.

DATE/TIME IN	DATE/TIME OUT
3/19/20 2:27 pm	3/19/20 2:34 pm

VEHICLE	CONTAINER
106 ARCHER	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 104,300 NET TONS 31.06 INBOUND
SCALE OUT TARE WEIGHT 42,180 NET WEIGHT 62,120 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
31.06	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT

TENDERED

CHANGE

CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	983845	

WEIGHMASTER: Kelly F.

DATE/TIME IN	DATE/TIME OUT
3/20/20 2:27 pm	3/20/20 2:27 pm

VEHICLE: 183 SILVER STREAK
CONTAINER:
REFERENCE:
BILL OF LADING:

SCALE IN GROSS WEIGHT 109,500 NET TONS 34.36
TARE OUT TARE WEIGHT 40,780 NET WEIGHT 68,720

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
34.36	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER
011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

1947
#9071

SITE	TICKET #	CELL
01	983829	

WEIGHMASTER: Kelly F.

DATE/TIME IN	DATE/TIME OUT
3/20/20 1:14 pm	3/20/20 1:14 pm

VEHICLE	CONTAINER
183 SILVER STREAK	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 97,780 NET TONS 28.50 INBOUND
TARE OUT TARE WEIGHT 40,780 NET WEIGHT 57,000 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
28.50	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT

TENDERED

CHANGE

CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

1947
#9011

SITE	TICKET #	CELL
01	983819	

WEIGHMASTER: Karyn B.

DATE/TIME IN	DATE/TIME OUT
3/20/20 12:04 pm	3/20/20 12:04 pm

VEHICLE	CONTAINER
183 SILVER STREAK	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 106,080 NET TONS 32.65
TARE OUT TARE WEIGHT 40,780 NET WEIGHT 65,300

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
32.65	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (07/12)

SIGNATURE _____

SITE

REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER

011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TE-2774

1947
9011

SITE	TICKET #	CELL
01	983010	

WEIGHMASTER Florence D.

DATE/TIME IN 3/20/20 10:52 am

DATE/TIME OUT 3/20/20 10:52 am

VEHICLE

CONTAINER

REFERENCE ~~103 SILVER STREAK~~

BILL OF LADING

SCALE IN GROSS WRTGHT 107,400 NET TONS 33.31 INBOUND
TARE OUT TARE WEIGHT 40,780 NET WEIGHT 66,620 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
33.31	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT

TENDERED

CHANGE

CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

1947
#9011

SITE	TICKET #	CELL
01	983799	

WEIGHMASTER: Florence D.

DATE/TIME IN	DATE/TIME OUT
3/20/20 9:40 am	3/20/20 9:40 am

VEHICLE: 183 SILVER STREAK
CONTAINER:
REFERENCE:
BILL OF LADING:

SCALE IN GROSS WEIGHT 104,520 NET TONS 31.87
TARE OUT TARE WEIGHT 40,780 NET WEIGHT 63,740

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
31.87	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER
011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TR-2774

1947
#9011

SITE	TICKET #	CELL
01	983790	

WEIGHMASTER: Karyn B.

DATE/TIME IN	DATE/TIME OUT
3/20/20 8:01 am	3/20/20 8:34 am

VEHICLE: 183 SILVER STREAK
CONTAINER:
REFERENCE:
BILL OF LADING:

SCALE IN GROSS WEIGHT 99,640 NET TONS 29.43
SCALE OUT TARE WEIGHT 40,780 NET WEIGHT 58,860

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
29.43	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 1008				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER
011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	983831	

WEIGHMASTER: Kelly F.

DATE/TIME IN	DATE/TIME OUT
3/20/20 1:20 pm	3/20/20 1:20 pm

VEHICLE	CONTAINER
213 SILVER STREAK	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 102,480 NET TONS 30.75 INBOUND
TARE OUT TARE WEIGHT 40,980 NET WEIGHT 61,500 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
30.75	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT

TENDERED

CHANGE

CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	983821	

WEIGHMASTER: Karyn B.

DATE/TIME IN	DATE/TIME OUT
3/20/20 12:10 pm	3/20/20 12:10 pm

VEHICLE	CONTAINER
213 SILVER STREAK	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 102,800 NET TONS 30.91
TARE OUT TARE WEIGHT 40,980 NET WEIGHT 61,820

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
30.91	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 1008				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER
011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	983812	

WEIGHMASTER: Florence D.

DATE/TIME IN	DATE/TIME OUT
3/20/20 10:54 am	3/20/20 10:54 am

VEHICLE: 213 SILVER STREAK
CONTAINER:
REFERENCE:
BILL OF LADING:

SCALE IN GROSS WEIGHT 105,400 NET TONS 32.21
TARE OUT TARE WEIGHT 40,980 NET WEIGHT 64,420

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
32.21	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	983801	

WEIGHMASTER: Florence D.

DATE/TIME IN	DATE/TIME OUT
3/20/20 9:44 am	3/20/20 9:44 am

VEHICLE: 213 SILVER STREAK
CONTAINER:
REFERENCE:
BILL OF LADING:

SCALE IN	GROSS WEIGHT	98,860	NET TONS	28.94
TARE OUT	TARE WEIGHT	40,980	NET WEIGHT	57,880

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
28.94	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER
011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	983792	

WEIGHMASTER: Karyn B.

DATE/TIME IN	DATE/TIME OUT
3/20/20 8:29 am	3/20/20 8:45 am

VEHICLE	CONTAINER
213 SILVER STREAK	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 105,180 NET TONS 32.10 INBOUND
SCALE OUT TARE WEIGHT 40,980 NET WEIGHT 64,200 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
32.10	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	983793	

WEIGHMASTER: Karyn B.

DATE/TIME IN	DATE/TIME OUT
3/20/20 8:33 am	3/20/20 8:52 am

VEHICLE	CONTAINER
207 SILVER STREAK	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 107,500 NET TONS 32.61
SCALE OUT TARE WEIGHT 42,280 NET WEIGHT 65,220

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
32.61	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 1008				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	983803	

WEIGHMASTER: Florence D.

DATE/TIME IN	DATE/TIME OUT
3/20/20 9:49 am	3/20/20 9:49 am

VEHICLE: 207 SILVER STREAK
CONTAINER:
REFERENCE:
BILL OF LADING:

SCALE IN	GROSS WEIGHT	111,700	NET TONS	34.71
TARE OUT	TARE WEIGHT	42,280	NET WEIGHT	69,420

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
34.71	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER
011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	983813	

WEIGHMASTER: Florence D.

DATE/TIME IN	DATE/TIME OUT
3/20/20 10:58 am	3/20/20 10:58 am

VEHICLE: 207 SILVER STREAK
CONTAINER:
REFERENCE:
BILL OF LADING:

SCALE IN GROSS WEIGHT 108,120 NET TONS 32.92
TARE OUT TARE WEIGHT 42,280 NET WEIGHT 65,840

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
32.92	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	983822	

WEIGHMASTER: Karyn B.

DATE/TIME IN	DATE/TIME OUT
3/20/20 12:16 pm	3/20/20 12:16 pm

VEHICLE	CONTAINER
207 SILVER STREAK	

REFERENCE

BILL OF LADING

SCALE IN	GROSS WEIGHT	99,580	NET TONS 28.65	INBOUND
TARE OUT	TARE WEIGHT	42,280	NET WEIGHT 57,300	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
28.65	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT

TENDERED

CHANGE

CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER
011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	983832	

WEIGHMASTER: Kelly F.

DATE/TIME IN	DATE/TIME OUT
3/20/20 1:24 pm	3/20/20 1:24 pm

VEHICLE	CONTAINER
207 SILVER STREAK	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 102,940 NET TONS 30.33 INBOUND
TARE OUT TARE WEIGHT 42,280 NET WEIGHT 60,660 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
30.33	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT

TENDERED

CHANGE

CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER
011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	983841	

WEIGHMASTER: Kelly F.

DATE/TIME IN	DATE/TIME OUT
3/20/20 2:15 pm	3/20/20 2:15 pm

VEHICLE	CONTAINER
102 ARCHER	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 103,500 NET TONS 31.37 INBOUND
TARE OUT TARE WEIGHT 40,760 NET WEIGHT 62,740 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
31.37	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT

TENDERED

CHANGE

CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER
011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

1947
#9011

SITE	TICKET #	CELL
01	983830	

WEIGHMASTER: Florence D.

DATE/TIME IN	DATE/TIME OUT
3/20/20 1:05 pm	3/20/20 1:15 pm

VEHICLE	CONTAINER
102 ARCHER	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 100,580 NET TONS 29.93 INBOUND
SCALE OUT TARE WEIGHT 40,720 NET WEIGHT 59,860 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
29.93	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER
011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

1947
#9011

SITE	TICKET #	CELL
01	983818	

WEIGHMASTER: IN - Florence D. OUT - Kelly P.

DATE/TIME IN	DATE/TIME OUT
3/20/20 11:54 am	3/20/20 12:02 pm

VEHICLE	CONTAINER
102 ARCHER	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 107,760 NET TONS 33.50 INBOUND
SCALE OUT TARE WEIGHT 40,760 NET WEIGHT 67,000 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
33.50	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER
011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

1947
#9011

SITE	TICKET #	CELL
01	983811	

WEIGHMASTER: IN - Florence D. OUT - Karyn B.

DATE/TIME IN	DATE/TIME OUT
3/20/20 10:40 am	3/20/20 10:54 am

VEHICLE	CONTAINER
102 ARCHER	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 111,500 NET TONS 35.34 INBOUND
SCALE OUT TARE WEIGHT 40,820 NET WEIGHT 70,680 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
35.34	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT

TENDERED

CHANGE

CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER
011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

1947
#9011

SITE	TICKET #	CELL
01	983798	

WEIGHMASTER: IN - Florence D. OUT - Karyn B.

DATE/TIME IN	DATE/TIME OUT
3/20/20 9:21 am	3/20/20 9:32 am

VEHICLE	CONTAINER
102 ARCHER	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 98,680 NET TONS 28.98 INBOUND
SCALE OUT TARE WEIGHT 40,720 NET WEIGHT 57,960 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
28.98	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

1947
9011

SITE	TICKET #	CELL
01	983788	

WEIGHMASTER: Karyn B.

DATE/TIME IN	DATE/TIME OUT
3/20/20 7:51 am	3/20/20 8:14 am

VEHICLE	CONTAINER
102 ARCHER	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 99,560 NET TONS 29.31
SCALE OUT TARE WEIGHT 40,940 NET WEIGHT 58,620

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
29.31	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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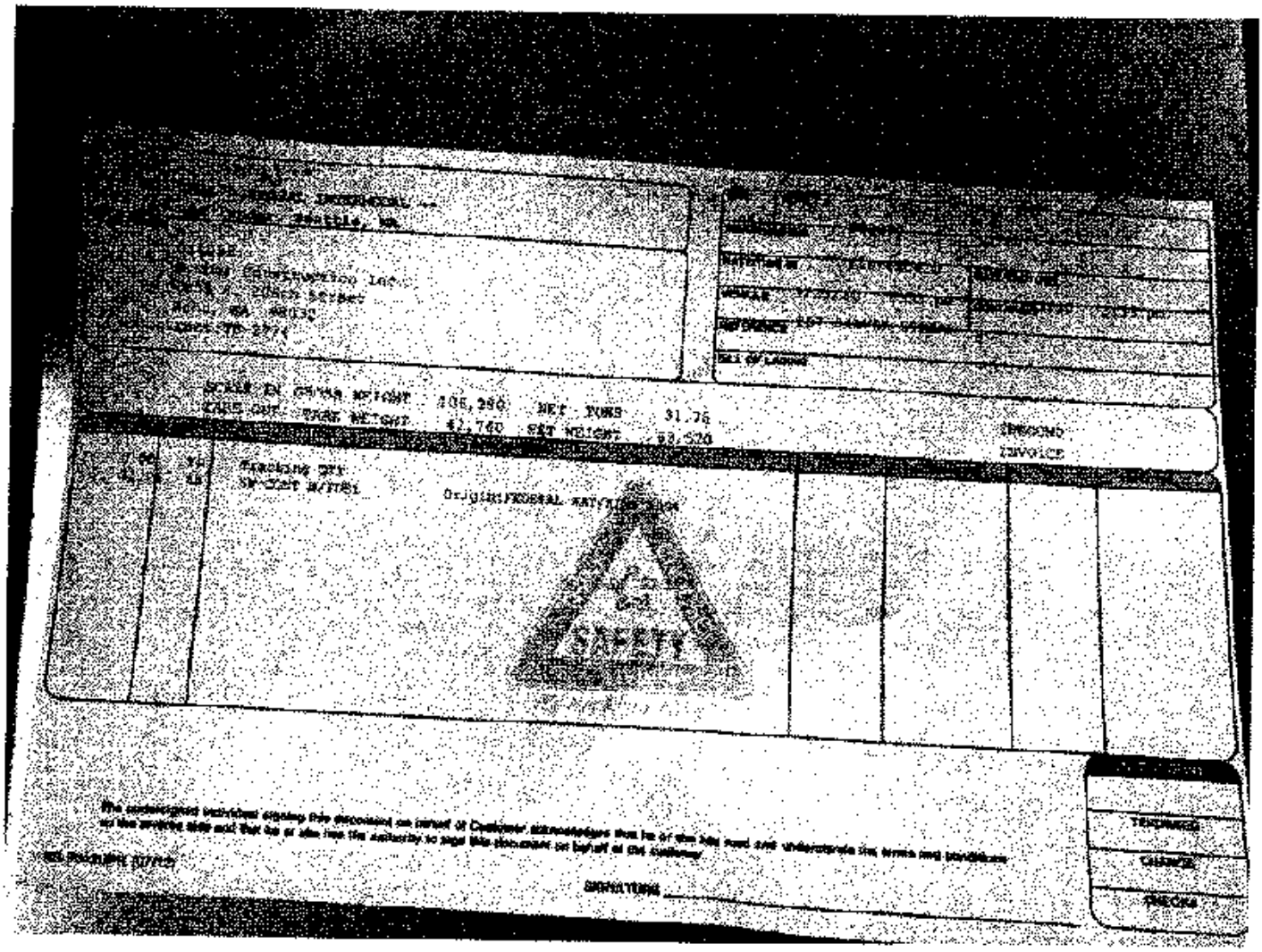
RS-F042UPR (07/12)

SIGNATURE _____


SAFETY

SITE

REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER

011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	983883	

WEIGHMASTER: Florence D.

DATE/TIME IN: 3/23/20 1:04 pm

DATE/TIME OUT: 3/23/20 1:04 pm

VEHICLE: 43 SILVERSTREAK

CONTAINER:

REFERENCE:

BILL OF LADING:

SCALE IN GROSS WEIGHT 96,020 NET TONS 27.25 INBOUND
TARE OUT TARE WEIGHT 41,520 NET WEIGHT 54,500 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
27.25	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT

TENDERED

CHANGE

CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE

REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER

011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	983982	

WEIGHMASTER: Florence D.

DATE/TIME IN: 3/23/20 12:55 pm

DATE/TIME OUT: 3/23/20 12:55 pm

VEHICLE: 102 ARCHER

CONTAINER:

REFERENCE:

BILL OF LADING:

SCALE IN GROSS WEIGHT 97,280 NET TONS 28.02 INBOUND
TARE OUT TARE WEIGHT 41,240 NET WEIGHT 56,040 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
28.02	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT

TENDERED

CHANGE

CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE 01	TICKET # 983881	CELL
WEIGHMASTER	IN - Kim L. OUT - Karyn B.	
DATE/TIME IN 3/23/20 12:34 pm	DATE/TIME OUT 3/23/20 12:44 pm	
VEHICLE 106 ARCHER	CONTAINER	
REFERENCE		
BILL OF LADING		

SCALE IN GROSS WEIGHT 103,100 NET TONS 30.24
SCALE OUT TARE WEIGHT 42,620 NET WEIGHT 60,480

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
30.24	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE 01	TICKET # 983858	CELL
WEIGHMASTER	IN - Kim L.	OUT - Florence D.
DATE/TIME IN	3/23/20 7:50 am	DATE/TIME OUT 3/23/20 8:00 am
VEHICLE	102 ARCHER	CONTAINER
REFERENCE		
BILL OF LADING		

SCALE IN GROSS WEIGHT 101,220 NET TONS 29.99
SCALE OUT TARE WEIGHT 41,240 NET WEIGHT 59,980

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
29.99	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	983859	

WEIGHMASTER: IN - Kim L. OUT - Florence D.

DATE/TIME IN	DATE/TIME OUT
3/23/20 7:59 am	3/23/20 8:13 am

VEHICLE	CONTAINER
43 SILVERSTREAK	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 99,720 NET TONS 29.10
SCALE OUT TARE WEIGHT 41,520 NET WEIGHT 58,200

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
29.10	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER
011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	983860	

WEIGHMASTER: IN - Kim L. OUT - Florence D.

DATE/TIME IN	DATE/TIME OUT
3/23/20 8:02 am	3/23/20 8:17 am

VEHICLE: 207 SILVER STREAK
CONTAINER:
REFERENCE:
BILL OF LADING:

SCALE IN GROSS WEIGHT 101,680 NET TONS 29.46
SCALE OUT TARE WEIGHT 42,760 NET WEIGHT 58,920

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
29.46	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE 01	TICKET # 983863	CELL
WEIGHMASTER	Karyn B.	
DATE/TIME IN 3/23/20 9:05 am	DATE/TIME OUT 3/23/20 9:05 am	
VEHICLE 102 ARCHER	CONTAINER	
REFERENCE		
BILL OF LADING		

SCALE IN GROSS WEIGHT 102,340 NET TONS 30.55
TARE OUT TARE WEIGHT 41,240 NET WEIGHT 61,100

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
30.55	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	983864	

WEIGHMASTER: Karyn B.

DATE/TIME IN	DATE/TIME OUT
3/23/20 9:22 am	3/23/20 9:22 am

VEHICLE	CONTAINER
43 SILVERSTREAK	

REFERENCE

BILL OF LADING

SCALE IN	GROSS WEIGHT	99,100	NET TONS	28.79
TARE OUT	TARE WEIGHT	41,520	NET WEIGHT	57,580

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
28.79	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT

TENDERED

CHANGE

CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE 01	TICKET # 983865	CELL	
WEIGHMASTER	Karyn B.		
DATE/TIME IN	3/23/20 9:39 am	DATE/TIME OUT	3/23/20 9:39 am
VEHICLE	207 SILVER STREAK	CONTAINER	
REFERENCE			
BILL OF LADING			

SCALE IN	GROSS WEIGHT	98,000	NET TONS	27.62
TARE OUT	TARE WEIGHT	42,760	NET WEIGHT	55,240

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
27.62	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER 011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	983866	

WEIGHMASTER: Karyn B.

DATE/TIME IN	DATE/TIME OUT
3/23/20 10:14 am	3/23/20 10:20 am

VEHICLE	CONTAINER
106 ARCHER	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 98,360 NET TONS 27.92 INBOUND
SCALE OUT TARE WEIGHT 42,520 NET WEIGHT 55,840 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
27.92	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT

TENDERED

CHANGE

CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE

REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER

011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	983867	

WEIGHMASTER: Karyn B.

DATE/TIME IN: 3/23/20 10:25 am

DATE/TIME OUT: 3/23/20 10:25 am

VEHICLE: 102 ARCHER

CONTAINER:

REFERENCE:

BILL OF LADING:

SCALE IN GROSS WEIGHT 96,400 NET TONS 27.58 INBOUND
TARE OUT TARE WEIGHT 41,240 NET WEIGHT 55,160 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
27.58	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT

TENDERED

CHANGE

CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE

REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER

011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	983868	

WEIGHMASTER: Florence D.

DATE/TIME IN	DATE/TIME OUT
3/23/20 10:34 am	3/23/20 10:34 am

VEHICLE: 43 SILVERSTREAK

CONTAINER:

REFERENCE:

BILL OF LADING:

SCALE IN GROSS WEIGHT 99,860 NET TONS 29.17 INBOUND
TARE OUT TARE WEIGHT 41,520 NET WEIGHT 58,340 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
29.17	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT

TENDERED

CHANGE

CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE

REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER

011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	983870	

WEIGHMASTER: Florence D.

DATE/TIME IN: 3/23/20 10:42 am

DATE/TIME OUT: 3/23/20 10:42 am

VEHICLE: 207 SILVER STREAK

CONTAINER:

REFERENCE:

BILL OF LADING:

SCALE IN GROSS WRTGHT 107,340 NET TONS 32.29 INBOUND
TARE OUT TARE WEIGHT 42,760 NET WEIGHT 64,580 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
32.29	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT

TENDERED

CHANGE

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER
011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	983872	

WEIGHMASTER: IN - Florence D. OUT - Karyn B.

DATE/TIME IN	DATE/TIME OUT
3/23/20 11:22 am	3/23/20 11:29 am

VEHICLE	CONTAINER
106 ARCHER	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 102,800 NET TONS 30.16 INBOUND
SCALE OUT TARE WEIGHT 42,480 NET WEIGHT 60,320 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
30.16	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE

REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER

011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	983873	

WEIGHMASTER: Florence D.

DATE/TIME IN: 3/23/20 11:39 am

DATE/TIME OUT: 3/23/20 11:39 am

VEHICLE: 102 ARCHER

CONTAINER

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 102,540 NET TONS 30.65 INBOUND
TARE OUT TARE WEIGHT 41,240 NET WEIGHT 61,300 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
30.65	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT

TENDERED

CHANGE

CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	983875	

WEIGHMASTER: Kim L.

DATE/TIME IN	DATE/TIME OUT
3/23/20 11:52 am	3/23/20 11:52 am

VEHICLE	CONTAINER
43 SILVERSTREAK	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 100,660 NET TONS 29.57
TARE OUT TARE WEIGHT 41,520 NET WEIGHT 59,140

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
29.57	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER 011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	983878	

WEIGHMASTER: Kim L.

DATE/TIME IN	DATE/TIME OUT
3/23/20 12:00 pm	3/23/20 12:00 pm

VEHICLE	CONTAINER
207 SILVER STREAK	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 100,160 NET TONS 28.70 INBOUND
TARE OUT TARE WEIGHT 42,760 NET WEIGHT 57,400 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
28.70	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT

TENDERED

CHANGE

CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	983887	

WEIGHMASTER: IN - Florence D. OUT - Kelly F.

DATE/TIME IN	DATE/TIME OUT
3/23/20 1:45 pm	3/23/20 1:51 pm

VEHICLE	CONTAINER
106 ARCHER	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 99,560 NET TONS 28.49
SCALE OUT TARE WEIGHT 42,580 NET WEIGHT 56,980

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
28.49	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE

REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER

011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	983885	

WEIGHMASTER: Florence D.

DATE/TIME IN: 3/23/20 1:12 pm

DATE/TIME OUT: 3/23/20 1:12 pm

VEHICLE: 207 SILVER STREAK

CONTAINER:

REFERENCE:

BILL OF LADING:

SCALE IN GROSS WEIGHT 98,840 NET TONS 28.04 INBOUND
TARE OUT TARE WEIGHT 42,760 NET WEIGHT 56,080 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
28.04	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT

TENDERED

CHANGE

CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE

REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER

011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	983888	

WEIGHMASTER Florence D.

DATE/TIME IN 3/23/20 2:16 pm

DATE/TIME OUT 3/23/20 2:16 pm

VEHICLE

CONTAINER

REFERENCE 102 ARCHER

BILL OF LADING

SCALE IN GROSS WEIGHT 100,200 NET TONS 29.48 INBOUND
TARE OUT TARE WEIGHT 41,240 NET WEIGHT 58,960 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
29.48	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT

TENDERED

CHANGE

CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	983889	

WEIGHMASTER: Florence D.

DATE/TIME IN	DATE/TIME OUT
3/23/20 2:25 pm	3/23/20 2:25 pm

VEHICLE	CONTAINER
43 SILVERSTREAK	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 100,380 NET TONS 29.43
TARE OUT TARE WEIGHT 41,520 NET WEIGHT 58,860

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
29.43	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER
011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	983892	

WEIGHMASTER: IN - Florence D. OUT - Karyn B.

DATE/TIME IN	DATE/TIME OUT
3/23/20 2:54 pm	3/23/20 3:06 pm

VEHICLE	CONTAINER
106 ARCHER	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 102,540 NET TONS 30.05
SCALE OUT TARE WEIGHT 42,440 NET WEIGHT 60,100

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
30.05	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER 011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE 01	TICKET # 983920	CELL
WEIGHMASTER	Kelly F.	
DATE/TIME IN	3/24/20 2:52 pm	DATE/TIME OUT 3/24/20 2:52 pm
VEHICLE	106 ARCHER	CONTAINER
REFERENCE		
BILL OF LADING		

SCALE IN GROSS WEIGHT 86,300 NET TONS 21.78 INBOUND
TARE OUT TARE WEIGHT 42,740 NET WEIGHT 43,560 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
21.78	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER
011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	983914	

WEIGHMASTER: Kelly F.

DATE/TIME IN	DATE/TIME OUT
3/24/20 1:30 pm	3/24/20 1:30 pm

VEHICLE	CONTAINER
43 SILVERSTREAK	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 100,800 NET TONS 29.93 INBOUND
TARE OUT TARE WEIGHT 40,940 NET WEIGHT 59,860 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
29.93	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	983915	

WEIGHMASTER: IN - Kelly F. OUT - Florence D.

DATE/TIME IN	DATE/TIME OUT
3/24/20 1:42 pm	3/24/20 1:49 pm

VEHICLE	CONTAINER
106 ARCHER	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 107,040 NET TONS 32.15
SCALE OUT TARE WEIGHT 42,740 NET WEIGHT 64,300

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
32.15	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE 01	TICKET # 983906	CELL
WEIGHMASTER	Florence D.	
DATE/TIME IN 3/24/20 10:46 am	DATE/TIME OUT 3/24/20 10:46 am	
VEHICLE 207 SILVER STREAK	CONTAINER	
REFERENCE		
BILL OF LADING		

SCALE IN GROSS WEIGHT 113,460 NET TONS 35.15
TARE OUT TARE WEIGHT 43,160 NET WEIGHT 70,300

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
35.15	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE

REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER

011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	983905	

WEIGHMASTER Florence D.

DATE/TIME IN 3/24/20 10:40 am

DATE/TIME OUT 3/24/20 10:40 am

VEHICLE 43 SILVERSTREAK

CONTAINER

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 104,800 NET TONS 31.93 INBOUND
TARE OUT TARE WEIGHT 40,940 NET WEIGHT 63,860 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
31.93	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT

TENDERED

CHANGE

CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE

REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER

011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	983904	

WEIGHMASTER: Florence D.

DATE/TIME IN: ~~3/24/20 10:32 am~~

DATE/TIME OUT: ~~3/24/20 10:32 am~~

VEHICLE: 102 ARCHER

CONTAINER:

REFERENCE:

BILL OF LADING:

SCALE IN GROSS WEIGHT 106,080 NET TONS 32.58 INBOUND
TARE OUT TARE WEIGHT 40,920 NET WEIGHT 65,160 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
32.58	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT

TENDERED

CHANGE

CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE 01	TICKET # 983899	CELL
WEIGHMASTER	Florence D.	
DATE/TIME IN	3/24/20 9:28 am	DATE/TIME OUT 3/24/20 9:28 am
VEHICLE	207 SILVER STREAK	CONTAINER
REFERENCE		
BILL OF LADING		

SCALE IN GROSS WEIGHT 105,180 NET TONS 31.01
TARE OUT TARE WEIGHT 43,160 NET WEIGHT 62,020

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
31.01	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE

REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER

011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	983898	

WEIGHMASTER Florence D.

DATE/TIME IN	DATE/TIME OUT
3/24/20 9:25 am	3/24/20 9:25 am

VEHICLE 43 SILVERSTREAK

CONTAINER#

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 98,000 NET TONS 28.53 INBOUND
TARE OUT TARE WEIGHT 40,940 NET WEIGHT 57,060 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
28.53	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT

TENDERED

CHANGE

CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE 01	TICKET # 983897	CELL
WEIGHMASTER	Florence D.	
DATE/TIME IN 3/24/20 9:07 am	DATE/TIME OUT 3/24/20 9:07 am	
VEHICLE 102 ARCHER	CONTAINER	
REFERENCE		
BILL OF LADING		

SCALE IN GROSS WEIGHT 97,280 NET TONS 28.18
TARE OUT TARE WEIGHT 40,920 NET WEIGHT 56,360

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
28.18	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER
011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	983894	

WEIGHMASTER: Florence D.

DATE/TIME IN	DATE/TIME OUT
3/24/20 7:56 am	3/24/20 8:05 am

VEHICLE	CONTAINER
102 ARCHER	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 97,860 NET TONS 28.47
SCALE OUT TARE WEIGHT 40,920 NET WEIGHT 56,940

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
28.47	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER
011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	983912	

WEIGHMASTER: Kelly F.

DATE/TIME IN	DATE/TIME OUT
3/24/20 12:21 pm	3/24/20 12:21 pm

VEHICLE	CONTAINER
207 SILVER STREAK	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 105,640 NET TONS 31.24 INBOUND
TARE OUT TARE WEIGHT 43,160 NET WEIGHT 62,480 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
31.24	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER
011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	983911	

WEIGHMASTER: Kelly F.

DATE/TIME IN	DATE/TIME OUT
3/24/20 12:07 pm	3/24/20 12:07 pm

VEHICLE	CONTAINER
43 SILVERSTREAK	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 94,620 NET TONS 26.84 INBOUND
TARE OUT TARE WEIGHT 40,940 NET WEIGHT 53,680 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking Q/TY				
26.84	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE

REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER

011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	983910	

WEIGHMASTER Florence D.

DATE/TIME IN 3/24/20 11:46 am

DATE/TIME OUT 3/24/20 11:46 am

VEHICLE

CONTAINER

REFERENCE 102 ARCHER

BILL OF LADING

SCALE IN GROSS WEIGHT 104,820 NET TONS 31.95 INBOUND
TARE OUT TARE WEIGHT 40,920 NET WEIGHT 63,900 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
31.95	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT

TENDERED

CHANGE

CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER 011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	983896	

WEIGHMASTER: Florence D.

DATE/TIME IN	DATE/TIME OUT
3/24/20 8:03 am	3/24/20 8:22 am

VEHICLE: 207 SILVER STREAK
CONTAINER:
REFERENCE:
BILL OF LADING:

SCALE IN GROSS WEIGHT 94,580 NET TONS 25.71 INBOUND
SCALE OUT TARE WEIGHT 43,160 NET WEIGHT 51,420 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
25.71	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

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SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER 011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	983895	

WEIGHMASTER: Florence D.

DATE/TIME IN	DATE/TIME OUT
3/24/20 8:00 am	3/24/20 8:12 am

VEHICLE	CONTAINER
43 SILVERSTREAK	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 98,660 NET TONS 28.86 INBOUND
SCALE OUT TARE WEIGHT 40,940 NET WEIGHT 57,720 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
28.86	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER
011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE	TICKET #	CELL
01	983913	

WEIGHMASTER: Florence D.

DATE/TIME IN	DATE/TIME OUT
3/24/20 1:01 pm	3/24/20 1:01 pm

VEHICLE	CONTAINER
102 ARCHER	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 103,480 NET TONS 31.28
TARE OUT TARE WEIGHT 40,920 NET WEIGHT 62,560

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
31.28	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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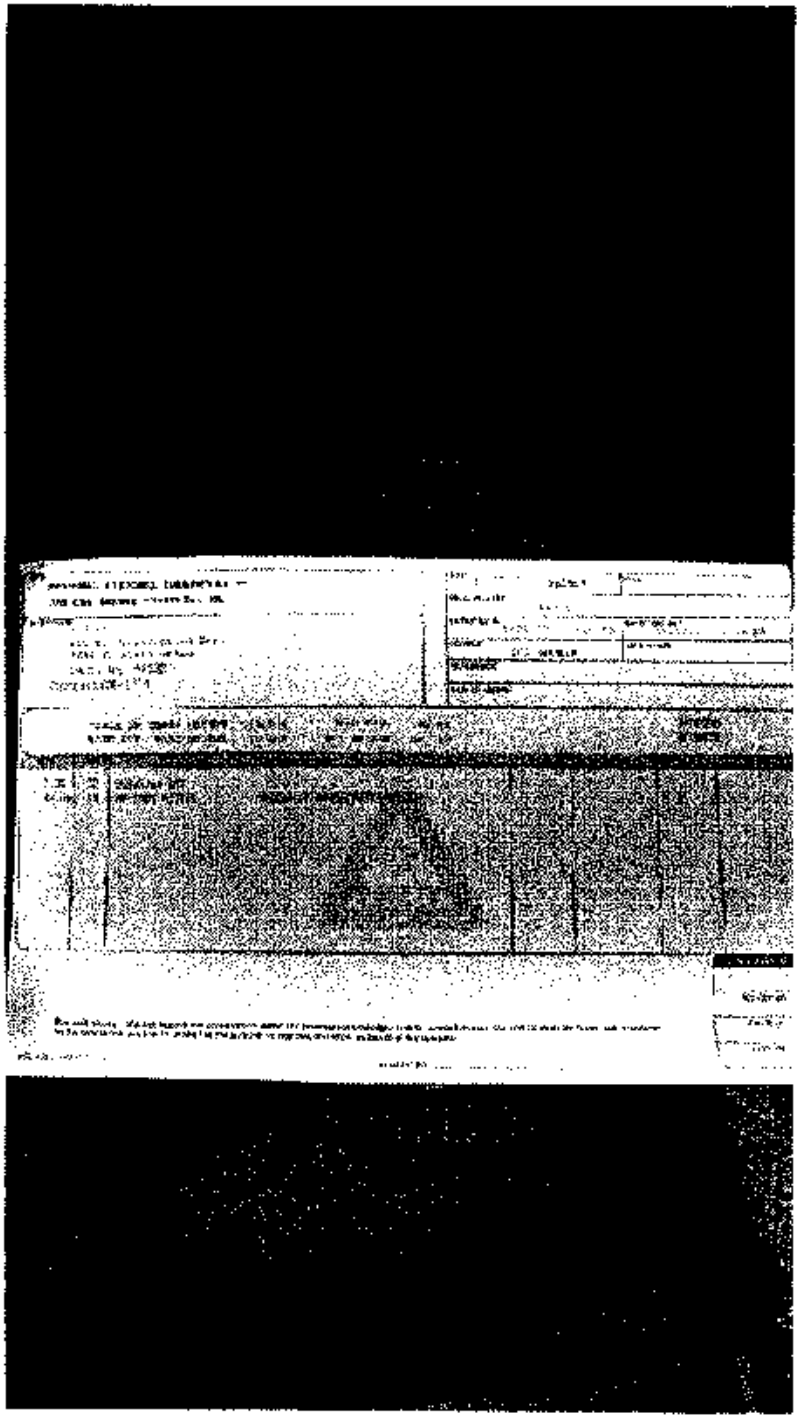
RS-F042UPR (07/12)

SIGNATURE _____



SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 011096
Archer Construction Inc.
7855 S. 206th Street
Kent, WA 98032
Contract:TB-2774

SITE 01 | TICKET # 983919 | CELL
WEIGHMASTER Kelly F.
DATE/TIME IN 3/24/20 2:51 pm | DATE/TIME OUT 3/24/20 2:51 pm
VEHICLE 43 SILVERSTREAK | CONTAINER
REFERENCE
BILL OF LADING

SCALE IN GROSS WEIGHT 98,300 NET TONS 28.68 INBOUND
TARE OUT TARE WEIGHT 40,940 NET WEIGHT 57,360 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
28.68	tn	SW-CONT W/FUEL Origin:FEDERAL WAY/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F942UPR (07/12)

SIGNATURE _____

REPUBLIC SERVICES

CERTIFICATE OF DESTRUCTION

I, Joe Allen-Thompson, of Republic Services (RSI facility), hereby certify that the entire product described in Section A has been properly and legally disposed of in Roosevelt Regional MSW Landfill on 3/19 - 6/19, 2020 (attach any appropriate documentation).

I understand that due to potential concerns related to such things as health, quality, and loss of goodwill, NikLexi LLC (Company) does not want this product to be distributed to consumers, even through so called "distressed merchandise" channels of trade, and I further certify that these items were destroyed in such a manner that it cannot be sold, and that the company has taken every reasonable step to prevent resale of said items.

Name (print): Joe Allen-Thompson

Signature: Joseph Allen-Thompson

Title: General Manager

Date: 9/1/2020

Section A- Products Destroyed (attached additional sheets if needed):

Waste Profile Number (if applicable): 4178202774 / TB-2774

Description of Product	*Quantity or Weight*
Petroleum Contaminated Soil	2,327.14 Tons

Detail Contract Activity Report

All Ticket Types
History and Waiting
* - Confirmed Qty Applied to Billing

March 01, 2020 to September 01, 2020
Specific Contract(s) : 'TB-2774'

All Facilities

TB-2774

Ticket Date	Facility & Ticket Number	Customer	Truck	Material	Contract Rate	Billing Quantity	Ordered Quantity	Minimum Quantity	Maximum Quantity	Material Total	Tax Total	Total
03/19/2020 I	01 983740	011096 - Archer Construction Inc.	102 ARCHE	SW-CONT W/FUEL	F	34.11 TN	0.00	$0.00	$0.00			
03/19/2020 I	01 983746	011096 - Archer Construction Inc.	106 ARCHE	SW-CONT W/FUEL	F	34.43 TN	0.00	$0.00	$0.00			
03/19/2020 I	01 983755	011096 - Archer Construction Inc.	102 ARCHE	SW-CONT W/FUEL	F	29.73 TN	0.00	$0.00	$0.00			
03/19/2020 I	01 983758	011096 - Archer Construction Inc.	106 ARCHE	SW-CONT W/FUEL	F	27.75 TN	0.00	$0.00	$0.00			
03/19/2020 I	01 983765	011096 - Archer Construction Inc.	102 ARCHE	SW-CONT W/FUEL	F	29.77 TN	0.00	$0.00	$0.00			
03/19/2020 I	01 983766	011096 - Archer Construction Inc.	106 ARCHE	SW-CONT W/FUEL	F	31.02 TN	0.00	$0.00	$0.00			
03/19/2020 I	01 983772	011096 - Archer Construction Inc.	102 ARCHE	SW-CONT W/FUEL	F	30.53 TN	0.00	$0.00	$0.00			
03/19/2020 I	01 983773	011096 - Archer Construction Inc.	106 ARCHE	SW-CONT W/FUEL	F	31.20 TN	0.00	$0.00	$0.00			
03/19/2020 I	01 983780	011096 - Archer Construction Inc.	102 ARCHE	SW-CONT W/FUEL	F	33.24 TN	0.00	$0.00	$0.00			
03/19/2020 I	01 983781	011096 - Archer Construction Inc.	106 ARCHE	SW-CONT W/FUEL	F	31.06 TN	0.00	$0.00	$0.00			
03/20/2020 I	01 983788	011096 - Archer Construction Inc.	102 ARCHE	SW-CONT W/FUEL	F	29.31 TN	0.00	$0.00	$0.00			
03/20/2020 I	01 983790	011096 - Archer Construction Inc.	183 SILVEI	SW-CONT W/FUEL	F	29.43 TN	0.00	$0.00	$0.00			
03/20/2020 I	01 983792	011096 - Archer Construction Inc.	213 SILVEI	SW-CONT W/FUEL	F	32.10 TN	0.00	$0.00	$0.00			
03/20/2020 I	01 983793	011096 - Archer Construction Inc.	207 SILVEI	SW-CONT W/FUEL	F	32.61 TN	0.00	$0.00	$0.00			
03/20/2020 I	01 983798	011096 - Archer Construction Inc.	102 ARCHE	SW-CONT W/FUEL	F	28.98 TN	0.00	$0.00	$0.00			
03/20/2020 I	01 983799	011096 - Archer Construction Inc.	183 SILVEI	SW-CONT W/FUEL	F	31.87 TN	0.00	$0.00	$0.00			
03/20/2020 I	01 983801	011096 - Archer Construction Inc.	213 SILVEI	SW-CONT W/FUEL	F	28.94 TN	0.00	$0.00	$0.00			
03/20/2020 I	01 983803	011096 - Archer Construction Inc.	207 SILVEI	SW-CONT W/FUEL	F	34.71 TN	0.00	$0.00	$0.00			
03/20/2020 I	01 983810	011096 - Archer Construction Inc.	183 SILVEI	SW-CONT W/FUEL	F	33.31 TN	0.00	$0.00	$0.00			
03/20/2020 I	01 983811	011096 - Archer Construction Inc.	102 ARCHE	SW-CONT W/FUEL	F	35.34 TN	0.00	$0.00	$0.00			
03/20/2020 I	01 983812	011096 - Archer Construction Inc.	213 SILVEI	SW-CONT W/FUEL	F	32.21 TN	0.00	$0.00	$0.00			
03/20/2020 I	01 983813	011096 - Archer Construction Inc.	207 SILVEI	SW-CONT W/FUEL	F	32.92 TN	0.00	$0.00	$0.00			
03/20/2020 I	01 983818	011096 - Archer Construction Inc.	102 ARCHE	SW-CONT W/FUEL	F	33.50 TN	0.00	$0.00	$0.00			
03/20/2020 I	01 983819	011096 - Archer Construction Inc.	183 SILVEI	SW-CONT W/FUEL	F	32.65 TN	0.00	$0.00	$0.00			
03/20/2020 I	01 983821	011096 - Archer Construction Inc.	213 SILVEI	SW-CONT W/FUEL	F	30.91 TN	0.00	$0.00	$0.00			
03/20/2020 I	01 983822	011096 - Archer Construction Inc.	207 SILVEI	SW-CONT W/FUEL	F	28.65 TN	0.00	$0.00	$0.00			
03/20/2020 I	01 983829	011096 - Archer Construction Inc.	183 SILVEI	SW-CONT W/FUEL	F	28.50 TN	0.00	$0.00	$0.00			
03/20/2020 I	01 983830	011096 - Archer Construction Inc.	102 ARCHE	SW-CONT W/FUEL	F	29.93 TN	0.00	$0.00	$0.00			
03/20/2020 I	01 983831	011096 - Archer Construction Inc.	213 SILVEI	SW-CONT W/FUEL	F	30.75 TN	0.00	$0.00	$0.00			
03/20/2020 I	01 983832	011096 - Archer Construction Inc.	207 SILVEI	SW-CONT W/FUEL	F	30.33 TN	0.00	$0.00	$0.00			
03/20/2020 I	01 983841	011096 - Archer Construction Inc.	102 ARCHE	SW-CONT W/FUEL	F	31.37 TN	0.00	$0.00	$0.00			
03/20/2020 I	01 983845	011096 - Archer Construction Inc.	183 SILVEI	SW-CONT W/FUEL	F	34.36 TN	0.00	$0.00	$0.00			
03/23/2020 I	01 983858	011096 - Archer Construction Inc.	102 ARCHE	SW-CONT W/FUEL	F	29.99 TN	0.00	$0.00	$0.00			
03/23/2020 I	01 983859	011096 - Archer Construction Inc.	43 SILVERS	SW-CONT W/FUEL	F	29.10 TN	0.00	$0.00	$0.00			
03/23/2020 I	01 983860	011096 - Archer Construction Inc.	207 SILVEI	SW-CONT W/FUEL	F	29.46 TN	0.00	$0.00	$0.00			
03/23/2020 I	01 983863	011096 - Archer Construction Inc.	102 ARCHE	SW-CONT W/FUEL	F	30.55 TN	0.00	$0.00	$0.00			
03/23/2020 I	01 983864	011096 - Archer Construction Inc.	43 SILVERS	SW-CONT W/FUEL	F	28.79 TN	0.00	$0.00	$0.00			
03/23/2020 I	01 983865	011096 - Archer Construction Inc.	207 SILVEI	SW-CONT W/FUEL	F	27.62 TN	0.00	$0.00	$0.00			

03/23/2020	I	01	983866	011096 - Archer Construction Inc.	106 ARCHE	SW-CONT W/FUEL	F	27.92	TN	0.00	$0.00	$0.00
03/23/2020	I	01	983867	011096 - Archer Construction Inc.	102 ARCHE	SW-CONT W/FUEL	F	27.58	TN	0.00	$0.00	$0.00
03/23/2020	I	01	983868	011096 - Archer Construction Inc.	43 SILVER	SW-CONT W/FUEL	F	29.17	TN	0.00	$0.00	$0.00
03/23/2020	I	01	983870	011096 - Archer Construction Inc.	207 SILVEI	SW-CONT W/FUEL	F	32.29	TN	0.00	$0.00	$0.00
03/23/2020	I	01	983872	011096 - Archer Construction Inc.	106 ARCHE	SW-CONT W/FUEL	F	30.16	TN	0.00	$0.00	$0.00
03/23/2020	I	01	983873	011096 - Archer Construction Inc.	102 ARCHE	SW-CONT W/FUEL	F	30.65	TN	0.00	$0.00	$0.00
03/23/2020	I	01	983875	011096 - Archer Construction Inc.	43 SILVER	SW-CONT W/FUEL	F	29.57	TN	0.00	$0.00	$0.00
03/23/2020	I	01	983878	011096 - Archer Construction Inc.	207 SILVEI	SW-CONT W/FUEL	F	28.70	TN	0.00	$0.00	$0.00
03/23/2020	I	01	983881	011096 - Archer Construction Inc.	106 ARCHE	SW-CONT W/FUEL	F	30.24	TN	0.00	$0.00	$0.00
03/23/2020	I	01	983882	011096 - Archer Construction Inc.	102 ARCHE	SW-CONT W/FUEL	F	28.02	TN	0.00	$0.00	$0.00
03/23/2020	I	01	983883	011096 - Archer Construction Inc.	43 SILVER	SW-CONT W/FUEL	F	27.25	TN	0.00	$0.00	$0.00
03/23/2020	I	01	983885	011096 - Archer Construction Inc.	207 SILVEI	SW-CONT W/FUEL	F	28.04	TN	0.00	$0.00	$0.00
03/23/2020	I	01	983887	011096 - Archer Construction Inc.	106 ARCHE	SW-CONT W/FUEL	F	28.49	TN	0.00	$0.00	$0.00
03/23/2020	I	01	983888	011096 - Archer Construction Inc.	102 ARCHE	SW-CONT W/FUEL	F	29.48	TN	0.00	$0.00	$0.00
03/23/2020	I	01	983889	011096 - Archer Construction Inc.	43 SILVER	SW-CONT W/FUEL	F	29.43	TN	0.00	$0.00	$0.00
03/23/2020	I	01	983890	011096 - Archer Construction Inc.	207 SILVEI	SW-CONT W/FUEL	F	31.76	TN	0.00	$0.00	$0.00
03/23/2020	I	01	983892	011096 - Archer Construction Inc.	106 ARCHE	SW-CONT W/FUEL	F	30.05	TN	0.00	$0.00	$0.00
03/24/2020	I	01	983894	011096 - Archer Construction Inc.	102 ARCHE	SW-CONT W/FUEL	F	28.47	TN	0.00	$0.00	$0.00
03/24/2020	I	01	983895	011096 - Archer Construction Inc.	43 SILVER	SW-CONT W/FUEL	F	28.86	TN	0.00	$0.00	$0.00
03/24/2020	I	01	983896	011096 - Archer Construction Inc.	207 SILVEI	SW-CONT W/FUEL	F	25.71	TN	0.00	$0.00	$0.00
03/24/2020	I	01	983897	011096 - Archer Construction Inc.	102 ARCHE	SW-CONT W/FUEL	F	28.18	TN	0.00	$0.00	$0.00
03/24/2020	I	01	983898	011096 - Archer Construction Inc.	43 SILVER	SW-CONT W/FUEL	F	28.53	TN	0.00	$0.00	$0.00
03/24/2020	I	01	983899	011096 - Archer Construction Inc.	207 SILVEI	SW-CONT W/FUEL	F	31.01	TN	0.00	$0.00	$0.00
03/24/2020	I	01	983904	011096 - Archer Construction Inc.	102 ARCHE	SW-CONT W/FUEL	F	32.58	TN	0.00	$0.00	$0.00
03/24/2020	I	01	983905	011096 - Archer Construction Inc.	43 SILVER	SW-CONT W/FUEL	F	31.93	TN	0.00	$0.00	$0.00
03/24/2020	I	01	983906	011096 - Archer Construction Inc.	207 SILVEI	SW-CONT W/FUEL	F	35.15	TN	0.00	$0.00	$0.00
03/24/2020	I	01	983910	011096 - Archer Construction Inc.	102 ARCHE	SW-CONT W/FUEL	F	31.95	TN	0.00	$0.00	$0.00
03/24/2020	I	01	983911	011096 - Archer Construction Inc.	43 SILVER	SW-CONT W/FUEL	F	26.84	TN	0.00	$0.00	$0.00
03/24/2020	I	01	983912	011096 - Archer Construction Inc.	207 SILVEI	SW-CONT W/FUEL	F	31.24	TN	0.00	$0.00	$0.00
03/24/2020	I	01	983913	011096 - Archer Construction Inc.	102 ARCHE	SW-CONT W/FUEL	F	31.28	TN	0.00	$0.00	$0.00
03/24/2020	I	01	983914	011096 - Archer Construction Inc.	43 SILVER	SW-CONT W/FUEL	F	29.93	TN	0.00	$0.00	$0.00
03/24/2020	I	01	983915	011096 - Archer Construction Inc.	106 ARCHE	SW-CONT W/FUEL	F	32.15	TN	0.00	$0.00	$0.00
03/24/2020	I	01	983916	011096 - Archer Construction Inc.	207 SILVEI	SW-CONT W/FUEL	F	29.78	TN	0.00	$0.00	$0.00
03/24/2020	I	01	983917	011096 - Archer Construction Inc.	102 ARCHE	SW-CONT W/FUEL	F	32.06	TN	0.00	$0.00	$0.00
03/24/2020	I	01	983919	011096 - Archer Construction Inc.	43 SILVER	SW-CONT W/FUEL	F	28.68	TN	0.00	$0.00	$0.00
03/24/2020	I	01	983920	011096 - Archer Construction Inc.	106 ARCHE	SW-CONT W/FUEL	F	21.78	TN	0.00	$0.00	$0.00
06/19/2020	I	01	985399	011096 - Archer Construction Inc.	102 ARCHE	SW-CONT W/FUEL	F	25.96	TN	0.00	$0.00	$0.00
06/19/2020	I	01	985400	011096 - Archer Construction Inc.	106 ARCHE	SW-CONT W/FUEL	F	27.70	TN	0.00	$0.00	$0.00
06/19/2020	I	01	985406	011096 - Archer Construction Inc.	102 ARCHE	SW-CONT W/FUEL	F	27.54	TN	0.00	$0.00	$0.00

Tickets Reported: 77 Items Reported: 77 Contract Totals:

Detail Contract Activity Report

All Ticket Types
History and Waiting
* - Confirmed Qty Applied to Billing

March 01, 2020 to September 01, 2020
Specific Contract(s) : 'TB-2774'

All Facilities

Material Summary	Weight Inbound	Weight Outbound		Volume Inbound	Volume Outbound		Count Inbound	Count Outbound	Billing Quantity		Material Total	Tax Total	Total
VH - SW-CONT W/FUEL	2,327.14	0.00	TN	0.00	0.00	YD	0.00	0.00	2,327.14	TN			

Cash Totals:
Invoice Totals:
Report Totals:

Tickets Reported: 77 Items Reported: 77

DICKSON COMPANY

R Ticket 1346898

1/30/2020 1:36:43PM

Location: 1 Waller Rd. Gravel Pit

Carrier	LANENV	Langseth Environmental Servi
Vehicle	RENTAL	RENTAL
Customer	LANENV	Langseth Environmental Servi
Order		
Product	1500	Concrete < 2' Minus
P.O.	29805 PAC HYW SO	
Deliver		
Weighmaster	JWS Ticket System	
Received		

	Qty
Product	2.30 Ton

	Pounds	Tons	Metric
Gross	18660	9.33	8.46
Tare	14060	7.03	6.38
Net	4600	2.30	2.09

	Today
Loads	1
Qty	2.30

Northern ENVIRONMENTAL

EPAID# WAH000039211
USDOT# 2133996
253.212.5446

B.O.L. # 6461

SHIPPING PAPER

DATE	WO #
SHIPPER / CUSTOMER	CONTACT NAME
ADDRESS	PHONE #
CITY, STATE, ZIP	
CONSIGNEE / FACILITY	CONTACT NAME
ADDRESS	PHONE #
CITY, STATE, ZIP	

HM	US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	Containers No.	Containers Type	Total Quantity	UOM	CHLOR	pH
A	**MATERIAL NOT REGULATED BY DOT**						
B							
C							
D							
E							
F							

Special Handling Instruction and Additional Information:

A) Profile #

SHIPPER'S CERTIFICATION: "I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations." I also certify that all times listed above are true and correct.

		MONTH	DAY	YEAR
(SHIPPER) PRINT OR TYPE NAME X	SIGNATURE X			
(CARRIER/TRANSPORTER) PRINT OR TYPE NAME X	SIGNATURE X	MONTH	DAY	YEAR
(CONSIGNEE/FACILITY) PRINT OR TYPE NAME X	SIGNATURE X	MONTH	DAY	YEAR

APPENDIX H

Initial Phase I ESA – August 17, 2017
(Previously Submitted to Ecology)

Initial Phase II ESA – September 12, 2017
(Previously Submitted to Ecology)

Geotechnical Engineering Services Report

Federal Way Free-Standing Emergency Center
Federal Way, Washington

for
PhiloWilke Partnership

September 29, 2017

GeoEngineers
Earth Science + Technology

Geotechnical Engineering Services Report

Federal Way Free-Standing Emergency Center
Federal Way, Washington

for
PhiloWilke Partnership

September 29, 2017

GeoEngineers

1101 South Fawcett Avenue, Suite 200
Tacoma, Washington 98402
253.383.4940

Geotechnical Engineering Services Report

Federal Way Free-Standing Emergency Center
Federal Way, Washington

File No. 2868-017-00

September 29, 2017

Prepared for:

PhiloWilke Partnership
11275 Sam Houston Parkway West, Suite 200
Houston, Texas 77031

Attention: Greg Johnson, AIA, LEED AP

Prepared by:

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Sept 29, 2017

BEL:MM:DJT:tt

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INTRODUCTION AND PROJECT UNDERSTANDING

This report presents the results of our geotechnical engineering services for the proposed Free-Standing Emergency Center in Federal Way, Washington. The project site is located at 29805 Pacific Highway South as shown on the Vicinity Map, Figure 1.

Our understanding of the project is based on our discussions with PhiloWilke, information provided including a preliminary Site Plan dated August 16, 2017, and our experience working on the Free-Standing Emergency Center Projects. We understand that this site is under evaluation for constructing a single-story emergency center. The conceptual Site Plan shows that the proposed building would be located near the center of the site with parking, access roads, and landscaping located around the building. We understand that the proposed building would be about 9,600 square feet and will be steel-framed with an exterior clad in masonry, metal panels and glazing. Parking areas at the site would be paved to accommodate patient parking with an ambulance bay abutting the building.

The preferred foundation system for the structure is conventional spread and continuous footings. We understand that stormwater infiltration facilities such as permeable pavements may be considered as part of the development. We understand that stormwater facilities will be designed in accordance with the 2016 King County Surface Water Design Manual (SWDM), which has been adopted by the City of Federal Way.

SCOPE OF SERVICES

The purpose of our services is to explore subsurface conditions to form a basis for providing geotechnical design and construction recommendations for the proposed site improvements. Our services have been completed in general accordance with our signed agreement dated June 21, 2017. Our specific scope of services included the following tasks.

1. Reviewing readily available published geologic data and our relevant in-house files for existing information on subsurface conditions in the project vicinity.
2. Visiting the project site to mark the exploration locations and contacting the "One-Call" Utility Notification Center, as required by Washington State law. We also subcontracted a private utility locator.
3. Exploring subsurface conditions by advancing six soil borings to depths between about 10.75 and 21.5 feet below ground surface (bgs).
4. Conducting geotechnical laboratory testing on selected soil samples.
5. Providing geotechnical seismic design information in accordance with 2015 International Building Code (IBC) criteria and evaluating the potential for surface rupture, liquefaction and lateral spreading at the site.
6. Providing recommendations for site preparation and earthwork.
7. Providing recommendations for shallow spread footing design.
8. Providing recommended active, passive and at-rest lateral earth pressures for retaining walls.

9. Providing a discussion of suitability of site soils for stormwater infiltration, including preliminary estimates of long-term design infiltration rates based on laboratory sieve analysis results.
10. Providing layer thickness recommendations for asphalt concrete pavement (ACP) design sections, including subgrade preparation.
11. Providing layer thickness recommendations for pervious cement concrete pavement.

SITE CONDITIONS

Surface Conditions

The site is generally rectangular and is bounded by South Dash Point Road to the north, Pacific Highway South to the east, a Motel property to the south and 16th Avenue South to the west. The site is currently occupied by a used car dealership. Single-story office and garage structures are located along the south boundary of the site. The remainder of the site is paved with asphalt concrete and is used as the car dealership lot. The parking lot is surrounded by a chain link fence, which generally delineates the property boundary. Outside of the fence to the north and east of the site are concrete sidewalks and landscaped boulevards.

The project site is relatively flat. The property is built into a slope on the west site boundary. The slope grades downward from 16th Avenue South to the site. The slope height is around 30 feet tall at the south end of the site and grades to about 5 feet tall at the north end of the site. The grade of the slope appears to be at 1H to 1V (Horizontal to Vertical) or steeper. The slope is overgrown with vegetation and trees. Access to the slope is restricted by a fence at both the toe and crest of the slope. In our opinion, the slope appears to be a natural slope that was cut to a relatively uniform grade. We did not observe any obvious signs of instability or water seepage on the face of the slope; however, a majority of the slope face was covered with dense vegetation.

Literature Review

We reviewed the United State Geological Survey (USGS) "Geologic Map of the Poverty Bay 7.5-minute Quadrangle" (Booth and Others 2004). According to the map the primary geologic units in the project vicinity are advance glacial outwash (Qa) and glacial till (Qvt). Both of these geologic units are considered glacially consolidated soils, meaning they were compressed by a weight of the glacier either during or after deposition. Advance outwash in the area generally consists well sorted sand and gravel with a relatively low percentage of fines (silt and clay-sized soil particles smaller than the U.S. No. 200 sieve). Glacial till is general comprised of an unsorted mixture of sand and gravel in a silt matrix. Cobbles and boulders can also be found within glacial till deposits. Both of these deposits are typically medium dense to very dense.

Subsurface Conditions

Subsurface Exploration and Laboratory Testing

We explored subsurface conditions at the site by advancing six borings (B-1 through B-6) to nominal depths between 10.75 and 21.5 feet bgs at the approximate locations shown on the attached Site Plan, Figure 2. A representative from our firm continually monitored the explorations and collected soil samples. A more detailed description of our exploration program and the summary exploration logs are provided in Appendix A.

Selected samples collected from our borings were tested in our laboratory to confirm field classifications and to evaluate pertinent engineering properties. Our laboratory testing program included grain-size analyses and percent finer than the U.S. No. 200 sieve determinations. A summary of our laboratory testing program and the test results are provided in Appendix A.

Soil and Groundwater Conditions

Our explorations were advanced in areas paved with asphalt concrete. Pavement thickness was observed to be between 3 and 4 inches. Below the pavement in B-1 through B-5, we observed what we interpret to be fill material. Fill generally consisted of very loose to dense silty sand with variable gravel content. We observed debris (brick, asphalt) and organic matter within the fill in some locations. Explorations B-2 and B-5 were terminated within the fill material around 11.5 feet bgs. In borings B-1, B-3 and B-4, fill material extended to between 7.5 and 8.5 feet bgs and was underlain by what we interpret to be glacial till. Observed glacial till consisted of medium dense to very dense silty sand with gravel. B-1 was terminated within glacial till around 11.5 bgs. Glacial till extended to around 18 feet bgs in B-3 and around 13.5 feet bgs in B-4 and was underlain by what we interpret to be advance outwash. Observed advance outwash consisted of very dense sand with silt and gravel. B-3 and B-4 were terminated within advance outwash at 21.5 feet bgs.

We did not observe fill in B-6. Starting below the pavement in B-6, we observed what we interpret to be recessional outwash comprised of very dense sand with silt and gravel. The recessional outwash deposit extended to around 8.5 feet bgs and was underlain by what we interpret to be glacial till. Observed glacial till in B-6 consisted of very dense silty sand with gravel. B-6 was terminated within glacial till around 10.75 feet bgs.

We did not encounter what we interpret to be the regional groundwater table in our explorations. We encountered what we interpret to be perched groundwater within the fill around 2.5 feet bgs in B-3 and around 10 feet bgs in B-5. We anticipate that perched groundwater could also be present in other areas at the site depending on soil conditions, rainfall amounts, irrigation activities and other factors. We anticipate that perched groundwater levels will generally be highest during the wet season, typically October through May. We interpret the regional groundwater table to be below the depths of our explorations.

CONCLUSIONS AND RECOMMENDATIONS

Primary Geotechnical Considerations

Based on our understanding of the project, the explorations performed for this study and our experience, it is our opinion that the proposed improvements can be designed and constructed generally as envisioned with regard to geotechnical considerations. A summary of the primary geotechnical considerations for the project is provided below and is followed by our detailed recommendations.

- We observed fill starting below pavements across the majority of the site. The fill thickness in some areas of the site exceeded 10 feet and in most areas was greater than 7.5 feet thick. Observed fill material was loose to very loose in some areas.
- Proposed structures at the site can be supported using shallow foundations provided that the foundation bearing surfaces are prepared as recommended. Loose fill soils may not be suitable for foundation support. Overexcavation of the fill could be required during foundation bearing surface preparation, or a reduced allowable bearing capacity must be used for foundation design.

- We did not identify potentially liquefiable soils in our explorations and in our opinion the risk of liquefaction occurring at this site is low.
- Near-surface soils observed at the site contain a significant amount of fines (silt and clay-sized soil particles smaller than the U.S. No. 200 sieve). These materials are highly moisture sensitive and will likely be very difficult or impossible to work with when wet.
- Infiltration capacity of the site soils could be limited by the underlying glacial till. If infiltration facilities are included in design, additional field testing will be required to determine the design soil infiltration rate as required by the SWDM.

Seismic Design Considerations

We used map-based methods to develop seismic design parameters, in general accordance with the 2015 IBC. The recommended seismic design parameters are shown in Table 1.

TABLE 1: SEISMIC DESIGN CRITERIA

2015 IBC Seismic Design Parameters	
Site Class	D
Spectral Response Acceleration at Short Periods (S_S)	1.307g
Spectral Response Acceleration at 1-Second Periods (S_1)	0.500g
Design Peak Ground Acceleration (PGA_M)	0.53g
Design Spectral Response Acceleration at Short Periods (S_{DS})	0.871g
Design Spectral Response Acceleration at 1-Second Periods (S_{D1})	0.500g

Liquefaction Analysis

We did not observe the groundwater table in our explorations and the native soils at the site were generally medium dense to very dense and are glacially consolidated. In our opinion, the soils observed in our explorations are not susceptible to liquefaction.

Lateral Spreading Potential

Lateral spreading related to seismic activity typically involves lateral displacement of large, surficial blocks of non-liquefied soil when a layer of underlying soil loses strength during seismic shaking. Lateral spreading usually develops in areas where sloping ground or large grade changes (including retaining walls) are present. Based on our understanding of the proposed improvements and current site topography, it is our opinion that the risk of lateral spreading is low.

Surface Rupture Potential

According to the Washington State Department of Natural Resources (DNR) Interactive Natural Hazards Map (accessed September 21, 2017), traces of the Tacoma Fault cross through the project site. Due to the proximity of the mapped fault to the proposed improvements, it is our opinion that there is a risk for surface rupture if an earthquake occurs along the Tacoma Fault. Determining the magnitude of surface rupture is made difficult by the thickness of glacial deposits that cover bedrock in the area and is beyond the scope of this study.

Site Development and Earthwork

General

We anticipate that site development and earthwork will include demolition of existing improvements including hardscaping, pavements and the existing structures, excavating for shallow foundations, utilities and other improvements, establishing subgrades for foundations and roadways and placing and compacting fill and backfill materials. We expect that site grading and earthwork can be accomplished with conventional earthmoving equipment. The following sections provide specific recommendations for site development and earthwork.

Clearing and Stripping

We anticipate that clearing and stripping depths in undeveloped areas of the site will likely be on the order of 1 inch. However, greater stripping depths could be required within structural areas or areas of unsuitable soils, if present.

During demolition of structures and existing pavements or hardscaping excessive disturbance of surficial soils may occur, especially if left exposed to wet conditions. Disturbed soils may require additional remediation during construction and grading. The foundation system of the existing buildings should be completely removed from within the structural areas of the proposed improvements.

While not observed in our explorations, cobbles and boulders can be present in glacial till deposits in the area. Accordingly, the contractor should be prepared to remove boulders and cobbles, if encountered during grading or excavation. Boulders may be removed from the site or used in landscape areas. Voids caused by boulder removal should be backfilled with structural fill.

Erosion and Sedimentation Control

Erosion and sedimentation rates and quantities can be influenced by construction methods, slope length and gradient, amount of soil exposed and/or disturbed, soil type, construction sequencing and weather. Implementing an erosion and sedimentation control plan will reduce the project impact on erosion-prone areas. The plan should be designed in accordance with applicable city, county and/or state standards. The plan should incorporate basic planning principles, including:

- Scheduling grading and construction to reduce soil exposure;
- Re-vegetating or mulching denuded areas;
- Directing runoff away from exposed soils;
- Reducing the length and steepness of slopes with exposed soils;
- Decreasing runoff velocities;
- Preparing drainage ways and outlets to handle concentrated or increased runoff;
- Confining sediment to the project site;
- Inspecting and maintaining control measures frequently.

Some sloughing and raveling of exposed or disturbed soil on slopes should be expected. We recommend that disturbed soil be restored promptly so that surface runoff does not become channeled.

Temporary erosion protection should be used and maintained in areas with exposed or disturbed soils to help reduce erosion and reduce transport of sediment to adjacent areas and receiving waters. Permanent erosion protection should be provided by paving, structure construction or landscape planting.

Until the permanent erosion protection is established and the site is stabilized, site monitoring may be required by qualified personnel to evaluate the effectiveness of the erosion control measures and to repair and/or modify them as appropriate. Provisions for modifications to the erosion control system based on monitoring observations should be included in the erosion and sedimentation control plan.

Temporary Excavations

Excavations deeper than 4 feet must be shored or laid back at a stable slope if workers are required to enter. Shoring and temporary slope inclinations must conform to the provisions of Title 296 Washington Administrative Code (WAC), Part N, "Excavation, Trenching and Shoring." Regardless of the soil type encountered in the excavation, shoring, trench boxes or sloped sidewalls will be required under Washington Industrial Safety and Health Act (WISHA). The contract documents should specify that the contractor is responsible for selecting excavation and dewatering methods, monitoring the excavations for safety and providing shoring, as required, to protect personnel and structures.

In general, temporary cut slopes at this site should be inclined no steeper than about 1½H to 1V. This guideline assumes that all surface loads are kept at a minimum distance of at least one-half the depth of the cut away from the top of the slope and that seepage is not present on the slope face. Flatter cut slopes will be necessary where seepage occurs or if surcharge loads are anticipated. Temporary covering with heavy plastic sheeting should be used to protect slopes during periods of wet weather.

Existing Permanent Slopes

Based on our understanding of the proposed improvements and proposed site layout, modifications to the existing slope on the west site boundary are not planned. The existing slope grade is steeper then what is typically recommended for permanent slopes (2H to 1V). Based on the observed condition of the slope and our understanding of the geology in the area, we anticipate that the slope is cut into dense to very dense glacially consolidated soils. Relatively steeper permanent slopes are typically acceptable in glacially consolidated soils.

Based on geology review and observations, it is our opinion that the risk of a larger global failure of the slope under static conditions is relatively low. Although not observed during our site visits, shallow surficial sloughing could occur on the slope face at any time of the year. The conceptual site plan shows that the building will be set back about 40 to 50 feet away from the toe of the slope. In our opinion the risk of shallow surficial sloughing impacting the building area at this distance is low. If the building location is changed, we should be notified to reevaluate potential impacts of slope failures on the building. Provided the proposed improvements do not require modifying the existing slope, it is our opinion the slope can be left in its current configuration; however, run-out from shallow surficial sloughing could impact the parking area proposed near the toe of the slope.

We did not conduct an evaluation of this slope under seismic conditions. Evaluating seismic slope stability is beyond the scope of this project. To complete a seismic evaluation of the slope, additional subsurface explorations should be completed in the area and a limit equilibrium slope stability analysis should be performed.

Groundwater Handling Considerations

Based on our understanding of the proposed site improvements we do not anticipate that the regional groundwater table will be encountered during excavations at the site.

We encountered what we interpret to be perched groundwater around 2.5 feet bgs in B-3 and around 10 feet bgs in B-5. The interface between the fill material and native soils and contacts between relatively more permeable and relatively less permeable materials are likely locations for accumulation of perched groundwater. Groundwater handling needs will typically be lower during the late summer and early fall months. We anticipate that shallow perched groundwater can be handled adequately with sumps, pumps, and/or diversion ditches, as necessary. Ultimately, we recommend that the contractor performing the work be made responsible for controlling and collecting groundwater encountered.

Surface Drainage

Surface water from roofs, driveways and landscape areas should be collected and controlled. Curbs or other appropriate measures such as sloping pavements, sidewalks and landscape areas should be used to direct surface flow away from buildings, erosion sensitive areas and from behind retaining structures. Roof and catchment drains should not be connected to wall or foundation drains.

Subgrade Preparation

Subgrades that will support structures and roadways should be thoroughly compacted to a uniformly firm and unyielding condition on completion of stripping and before placing structural fill. We recommend that subgrades for structures and roadways be evaluated, as appropriate, to identify areas of yielding or soft soil. Probing with a steel probe rod or proof-rolling with a heavy piece of wheeled construction equipment are appropriate methods of evaluation.

If soft or otherwise unsuitable subgrade areas are revealed during evaluation that cannot be compacted to a stable and uniformly firm condition, we recommend that: (1) the unsuitable soils be scarified (e.g., with a ripper or farmer's disc), aerated and recompacted, if practical; or (2) the unsuitable soils be removed and replaced with compacted structural fill, as needed.

Subgrade Protection and Wet Weather Considerations

Most of the near-surface soils encountered in our explorations contain a significant amount of fines and will be susceptible to disturbance during periods of wet weather. The wet weather season generally begins in October and continues through May in western Washington; however, periods of wet weather can occur during any month of the year. In our opinion, earthwork at the site can be considered during wet weather months provided appropriate measures are implemented to protect exposed soil. If earthwork is scheduled during the wet weather months we offer the following recommendations:

- Measures should be implemented to remove or eliminate the accumulation of surface water from work areas. The ground surface in and around the work area should be sloped so that surface water is directed away and graded so that areas of ponded water do not develop. Measures should be taken by the contractor to prevent surface water from collecting in excavations and trenches.
- Earthwork activities should not take place during periods of heavy precipitation.
- Slopes with exposed soils should be covered with plastic sheeting.

- The contractor should take necessary measures to prevent on-site soils and other soils to be used as fill from becoming wet or unstable. These measures may include the use of plastic sheeting, sumps with pumps and grading. The site soils should not be left uncompacted and exposed to moisture. Sealing exposed soils by rolling with a smooth-drum roller prior to periods of precipitation will help reduce the extent to which these soils become wet or unstable.
- Construction traffic should be restricted to specific areas of the site, preferably areas that are surfaced with working pad materials not susceptible to wet weather disturbance.
- Construction activities should be scheduled so that the length of time that soils are left exposed to moisture is reduced to the extent practical.
- Protective surfacing such as placing asphalt-treated base (ATB) or haul roads made of quarry spalls or a layer of free-draining material such as well-graded pit-run sand and gravel may be necessary to protect completed areas. Minimum quarry spall thicknesses should be on the order of 12 to 18 inches. Typically, minimum gravel thicknesses on the order of 24 inches are necessary to provide adequate subgrade protection.

Fill Materials

Structural Fill

The workability of material for use as structural fill will depend on the gradation and moisture content of the soil. We recommend that washed crushed rock or select granular fill, as described below, be used for structural fill during the rainy season. If prolonged dry weather prevails during the earthwork phase of construction, materials with a somewhat higher fines content may be acceptable. Weather and site conditions should be considered when determining the type of import fill materials purchased and brought to the site for use as structural fill.

Material used for structural fill should be free of debris, organic contaminants and rock fragments larger than 6 inches. For most applications, we recommend that structural fill material consist of material similar to "Select Borrow" or "Gravel Borrow" as described in Section 9-03.14 of the Washington State Department of Transportation (WSDOT) Standard Specifications.

Select Granular Fill

Select granular fill should consist of well-graded sand and gravel or crushed rock with a maximum particle size of 6 inches and less than 5 percent fines by weight based on the minus ¾-inch fraction. Organic matter, debris or other deleterious material should not be present. In our opinion, material with gradation characteristics similar to WSDOT Specification 9-03.9 (Aggregates for Ballast and Crushed Surfacing), or 9-03.14 (Borrow) is suitable for use as select granular fill, provided that the fines content is less than 5 percent (based on the minus ¾-inch fraction) and the maximum particle size is 6 inches.

Pipe Bedding

Trench backfill for the bedding and pipe zone should consist of well-graded granular material similar to "gravel backfill for pipe zone bedding" described in Section 9-03.12(3) of the WSDOT Standard Specifications. The material must be free of roots, debris, organic matter and other deleterious material. Other materials may be appropriate depending on manufacturer specifications and/or local jurisdiction requirements.

Trench Backfill

Trench backfill must be free of debris, organic material and rock fragments larger than 6 inches. We recommend that trench backfill material consist of material similar to "Select Borrow" or "Gravel Borrow" as described in Section 9-03.14 of the WSDOT Standard Specifications. Where excavations occur in the wet, alternative materials such as select granular fill should be considered.

On-Site Soil

Based on our subsurface explorations and experience, it is our opinion that existing site soils including the existing fill may be considered for use as structural fill and trench backfill, provided that it can be adequately moisture conditioned, placed and compacted as recommended and does not contain organic or other deleterious material. Based on our experience, silty sand materials present at the site are extremely moisture sensitive and will be very difficult or impossible to properly compact when wet. In addition, it is possible that existing soils will be generated at moisture contents above optimum or within zones of seepage. Some segregation may also be required to remove organic and deleterious materials as observed in the explorations. If possible, on-site material should be reserved for use as fill in non-structural areas or as initial lifts in structural areas where thicker fills are proposed. If earthwork occurs during a typical wet season, or if the soils are persistently wet and cannot be dried back due to prevailing wet weather conditions, we recommend the use of imported structural fill or select granular fill, as described above.

Fill Placement and Compaction

General

To obtain proper compaction, fill soil should be compacted near optimum moisture content and in uniform horizontal lifts. Lift thickness and compaction procedures will depend on the moisture content and gradation characteristics of the soil and the type of equipment used. The maximum allowable moisture content varies with the soil gradation and should be evaluated during construction. Generally, 12-inch loose lifts are appropriate for steel-drum vibratory roller compaction equipment. Compaction should be achieved by mechanical means. During fill and backfill placement, sufficient testing of in-place density should be conducted to check that adequate compaction is being achieved.

Area Fills and Pavement Bases

Fill placed to raise site grades and materials under pavements and structural areas should be placed on subgrades prepared as previously recommended. Fill material placed below structures and footings should be compacted to at least 95 percent of the theoretical maximum dry density (MDD) per ASTM International (ASTM) D 1557. Fill material placed shallower than 2 feet below pavement sections should be compacted to at least 95 percent of the MDD. Fill placed deeper than 2 feet below pavement sections should be compacted to at least 90 percent of the MDD. Fill material placed in landscaping areas should be compacted to a firm condition that will support construction equipment, as necessary, typically around 85 to 90 percent of the MDD.

Backfill Behind Below-Grade Structures

Backfill behind retaining walls or below-grade structures should be compacted to between 90 and 92 percent of the MDD. Overcompaction of fill placed directly behind below-grade structures should be avoided. We recommend use of hand-operated compaction equipment and maximum 6-inch loose lift thickness when compacting fill within about 5 feet behind below-grade structures.

Trench Backfill

For utility excavations, we recommend that the initial lift of fill over the pipe be thick enough to reduce the potential for damage during compaction, but generally should not be greater than about 18 inches above the pipe. In addition, rock fragments greater than about 1 inch in maximum dimension should be excluded from this lift.

Trench backfill material placed below structures and footings should be compacted to at least 95 percent of the MDD. In paved areas, trench backfill should be uniformly compacted in horizontal lifts to at least 95 percent of the MDD in the upper 2 feet below subgrade. Fill placed below a depth of 2 feet from subgrade in paved areas must be compacted to at least 90 percent of the MDD. In non-structural areas, trench backfill should be compacted to a firm condition that will support construction equipment as necessary.

Foundation Support

General

The proposed structure at the site can be satisfactorily supported on continuous wall and isolated column footings. Exterior footings should be established at least 18 inches below the lowest adjacent grade. Interior footings can be founded a minimum of 12 inches below the top of the floor slab. Isolated column and continuous wall footings should have minimum widths of 24 and 18 inches, respectively.

Based on the groundwater conditions in our explorations and our understanding of the proposed footing elevations (bottom of footings established at or within a few feet of existing site grade) it is our opinion footing drains are not necessary to maintain overall bearing support. However, because of the potential for near-surface seepage during wetter times of the year, footing drains are recommended to maintain dryer conditions around the structure and for local areas that may collect more water than others. The sections below provide our recommendations for foundation bearing surface preparation, foundation design parameters and footing drains.

Foundation Bearing Surface Preparation

Soil within the upper approximately 8 feet of the ground surface across most of the project site was generally observed to consist of loose to medium dense fill with some organic material and debris. Because of this and to reduce the potential for foundation settlement, we recommend that (1) foundations bear on the existing soil that has been thoroughly compacted and designed with a reduced bearing capacity or (2) the loose soils be overexcavated 4 feet below the bottom of footing elevation, or until dense soils are encountered and replaced with structural fill following the recommendations in this report. For this condition, a nominal increase in bearing capacity is provided. Overexcavation limits should extend laterally beyond the foundation perimeter a distance equal to the depth of overexcavation (measured from the base of the footing where necessary), or 3 feet, whichever is less. It may be possible to re-use the excavated material as replacement backfill provided it meets the criteria for structural fill described above and can be compacted as recommended. We discuss the use of on-site material previously.

If overexcavation and replacement of loose fill below footings is not completed, the bearing soils must be thoroughly compacted in place to a uniformly firm and unyielding condition and a lower bearing capacity must be used for design as described in the following section.

We recommend a member of our firm be on site during footing excavation activities to provide recommendations on limits for overexcavation and to observe foundation excavations before placement of reinforcing steel in order to confirm that bearing surfaces have been prepared in accordance with our recommendations, or to provide recommendations for compaction or removal of unsuitable soil.

Foundation bearing surfaces should not be exposed to standing water. If water is present in the excavation, it must be removed before placing formwork and reinforcing steel. Protection of exposed soil, such as placing a 6- to 12-inch-thick layer of crushed rock or quarry spalls, or a 2- to 4-inch layer of lean-mix concrete, may be needed to limit disturbance to bearing surfaces.

Allowable Soil Bearing Pressure

For foundations bearing on at least 4 feet of structural fill, or structural fill extending to native soil or on native soil, an allowable downward soil bearing pressure of 3,500 pounds per square foot (psf) may be used for design.

If loose soils are not removed and replaced below footings, and the bearing soils are only compacted in place and prepared as recommended, an allowable downward soil bearing pressure of 2,000 psf may be used for design.

These bearing pressures apply to the total of dead and long-term live loads and may be increased by one-third when considering total loads, including earthquake or wind loads. These are net bearing pressures. The weight of the footing and overlying backfill can be ignored in calculating footing sizes.

Foundation Settlement

Disturbed soil must be removed from the base of footing excavations and the bearing surface should be prepared as recommended. Provided these measures are taken, we estimate the total static settlement of shallow foundations will be on the order of ½ to 1 inch for the bearing pressures presented above. Differential settlements could be on the order of ¼ to ½ inch between similarly loaded foundations or over a distance of 100 feet of continuous footings. The settlements should occur rapidly, essentially as loads are applied. Settlements could be greater than estimated if disturbed or saturated soil is present below footings.

Lateral Resistance

The ability of the soil to resist lateral loads is a function of the base friction, which develops on the base of footings and slabs, and the passive resistance, which develops on the face of below-grade elements of the structure as these elements move into the soil. For footings founded in accordance with the recommendations presented above, the allowable frictional resistance on the base of the footing may be computed using a coefficient of friction of 0.40 applied to the vertical dead-load forces. The allowable passive resistance on the face of the footing or other embedded foundation elements may be computed using an equivalent fluid density of 325 pounds per cubic foot (pcf).

These values include a factor of safety of about 1.5. The passive earth pressure and friction components may be combined provided that the passive component does not exceed two-thirds of the total. The top foot of soil should be neglected when calculating passive lateral earth pressure unless the area adjacent to the foundation is covered with pavement or a slab-on-grade.

Perimeter Footing Drains

To maintain dryer conditions around the structure and due to the potential for seepage, we recommend that footing drains be included around exterior footings. Footing drains should be installed at the base of exterior footings and include cleanouts. All drains at the site should have adequate slope (typically 1 percent or more) to allow positive drainage to appropriate discharge locations. Some variation of pipe location is acceptable to accommodate other utilities, foundation elements and other structural components. In addition, it is possible that some variations will be required in the field depending on conditions observed during construction.

The drains should be installed within a 12-inch-deep trench and consist of at least 4-inch-diameter perforated pipe placed on an approximate 3- to 4-inch bed of, and surrounded by 5 to 6 inches of drainage material enclosed in a non-woven geotextile fabric to prevent fine soil from migrating into the drain material. The drainage material should consist of coarse sand and gravel containing less than 5 percent fines based on the fraction of material passing the ¾-inch sieve.

We recommend that the drainpipe consist of heavy-wall solid pipe (SDR-35 polyvinyl chloride [PVC], or equal). We do not recommend using flexible tubing. The drainage pipe should be either machine-slotted or perforated and extend over the lower 60-degree perimeter of the pipe. For slotted pipe, the slots should be a maximum of ⅛ inch wide with four slots per inch. Perforated pipe should have two rows of ½-inch holes spaced 120 degrees apart and at 4 inches on center. Roof downspout and retaining wall drain lines should not be routed to footing drain lines.

Slab-on-Grade Floors

Slab-on-grade floors should bear on proof compacted existing mineral fill or structural prepared as recommended in the “Subgrade Preparation” section of this report. We recommend the slab subgrades be observed by a member of our firm during construction. Disturbed areas should be compacted, if possible, or removed and replaced with compacted structural fill. In all cases, the exposed soil should be firm and unyielding. It may be appropriate to compact the exposed subgrade with a smooth-drum vibratory roller to a dense and unyielding condition. Ideally, the subgrade should be compacted to at least 95 percent of the MDD in accordance with ASTM D 1557, or as recommended by the geotechnical engineer.

We recommend the slab-on-grade floors be underlain by a minimum 8-inch-thick capillary break layer consisting of clean sand and gravel or crushed rock. Overall, the capillary break material should contain less than 3 percent fine material based on the percent passing the ¾-inch sieve size. Provided that loose soil is removed and the subgrade is prepared as recommended, we recommend slabs-on-grade be designed using a modulus of subgrade reaction of 200 pounds per cubic inch (pci).

We estimate that settlement for slabs-on-grade constructed as recommended will be less than ¾ inch for a floor load of up to 500 psf.

Based on our understanding of subsurface conditions at the site it is our opinion that an underslab drain system is not necessary. If dry slabs are required (e.g., where adhesives are used to anchor carpet or tile to slab), a waterproof liner may be placed as a vapor barrier below the slab.

Retaining Walls and Below-Grade Structures

Design Parameters

We recommend the following lateral earth pressures be used for design of conventional retaining walls and below-grade structures. Our design pressures assume that the ground surface around the structures will be level or near level. If drained design parameters are used, drainage systems must be included in the design in accordance with the recommendations presented in the "Drainage" section below.

- Active soil pressure may be estimated using an equivalent fluid density of 35 pcf for the drained condition.
- Active soil pressure may be estimated using an equivalent fluid density of 80 pcf for the undrained condition; this value includes hydrostatic pressures.
- At-rest soil pressure may be estimated using an equivalent fluid density of 50 pcf for the drained condition.
- At-rest soil pressure may be estimated using an equivalent fluid density of 90 pcf for the undrained condition; this value includes hydrostatic pressures.
- For seismic considerations, a uniform lateral pressure of 10H psf (where H is the height of the retaining structure or the depth of a structure below ground surface) should be added to the lateral earth pressure.
- An additional 2 feet of fill representing a typical traffic surcharge of 250 psf should be included if vehicles are allowed to operate within ½ the height of the retaining walls. Other surcharge loads should be considered on a case by case basis.

The active soil pressure condition assumes the wall is free to move laterally 0.001 H, where H is the wall height). The at-rest condition is applicable where walls are restrained from movement. The above recommended lateral soil pressures do not include other surcharge loads than described or the effects of sloping backfill surfaces. Overcompaction of fill placed directly behind retaining walls or below-grade structures must be avoided. We recommend use of hand-operated compaction equipment and maximum 6-inch loose lift thickness when compacting fill within about 5 feet behind retaining walls and below-grade structures.

Retaining wall foundation bearing surfaces should be prepared following the "Foundation Bearing Surface Preparation" section of this report. Provided bearing surfaces are prepared as recommended, retaining wall foundations may be designed using the allowable soil bearing values and lateral resistance values presented above for building foundation design matching the design condition described. We estimate settlement of retaining structures will be similar to the values previously presented for building foundations.

Drainage

If retaining walls or below-grade structures are designed using drained parameters, a drainage system behind the structure must be constructed to collect water and prevent the buildup of hydrostatic pressure against the structure. We recommend the drainage system include a zone of free-draining backfill a minimum of 18 inches in width against the back of the wall. Free-draining backfill should conform to the WSDOT Standard Specification 9-03.12(2) "Gravel Backfill for Walls."

A perforated, rigid, smooth-walled drain pipe with a minimum diameter of 4 inches should be placed along the base of the structure within the free-draining backfill and extend for the entire wall length. The drain pipe should be metal or rigid PVC pipe and be sloped to drain by gravity. Discharge should be routed properly to reduce erosion potential. Alternate drainage systems, such as drainage boards may also be appropriate for use with retaining and below-grade walls.

Cleanouts should be provided to allow routine maintenance. We recommend roof downspouts or other types of drainage systems not be connected to retaining wall drain systems.

Stormwater Infiltration

General

The site is underlain by glacial till that in our opinion has a low infiltration potential and could limit the effectiveness of large concentrated stormwater infiltration facilities (e.g., ponds or subsurface vaults). Large area infiltration facilities such as permeable pavements or small concentrated facilities such as bioswales may still be feasible for use. Infiltration facilities should be designed following the 2016 King County SWDM.

Infiltration Suitability

General

In our opinion, the fill and recessional outwash soils observed at the site are suitable for infiltration. We do not recommend that the base of infiltration facilities be located on top of or within 5 feet of the glacial till layer. The top of the glacial till layer was located around 7.5 to 8.5 feet bgs. The following sections address infiltration suitability criteria discussed in the SWDM.

Groundwater Separation

According to the SWDM a minimum separation of 1 to 5 feet between the bottom of infiltration facilities (separation distance depends on facility type) and the seasonal high groundwater level must be maintained. We anticipate that the seasonal high groundwater level at the site will remain below about 10 feet below existing grade. In our opinion, if the base of stormwater facilities are expected to be within 5 feet of the existing ground surface adequate separation from the groundwater level will be maintained.

Design Infiltration Rate Estimate

The SWDM requires that the long-term design infiltration rates be determined via a field infiltration test. We can assist in completing field testing if requested. To develop an estimate of the infiltration rates that might be feasible for design, we used the soil grain-size analysis method described in the 2014 Washington State Department of Ecology (Ecology) Stormwater Management Manual for Western Washington (SWMMWW) in conjunction with our laboratory test results.

TABLE 2. SUMMARY OF CALCULATED LONG-TERM INFILTRATION RATES[1]

Exploration	Sample Depth (feet)	Geologic Unit	USCS Soil Type	Percent Fines	Estimated[2] $K_{long\text{-}term}$ (in/hr)
B-1	0.5	Fill	SM	19	1.7
B-3	2.5	Fill	GM	19	0.75
B-4	5	Fill	SM	33	1.0

Exploration	Sample Depth (feet)	Geologic Unit	USCS Soil Type	Percent Fines	Estimated[2] $K_{long\text{-}term}$ (in/hr)
B-5	5	Fill	SM	23	1.5
B-6	0.5	Recessional Outwash	SP-SM	7	4.75

Notes:

[1] Values presented in this table cannot be used for final design. The design infiltration rate for the site must be determined by a field infiltration test

[2] Long-term infiltration rate range as determined by the grain-size analysis method including the reduction factors described in the SWMMWW

The values presented above are for the samples obtained in a particular area at a particular depth and represent an estimate of soil infiltration rates as indicated by gradation characteristics. These values should not be used for final design of infiltration facilities.

Pavement Recommendations

Conventional Asphalt Concrete Pavements

General

Based on our experience, we provide recommended conventional ACP sections below. These pavement sections may not be adequate for heavy construction traffic loads such as those imposed by concrete transit mixers, dump trucks or cranes. Additional pavement thickness may be necessary to prevent pavement damage during construction. The recommended sections assume that final improvements surrounding the conventional ACP will be designed and constructed such that stormwater or excess irrigation water from landscape areas does not accumulate below the pavement section or pond on pavement surfaces.

Pavement subgrade should be prepared, placed and observed as previously described. Crushed surfacing base course and subbase should be moisture conditioned to near optimum moisture content and compacted to at least 95 percent of MDD (ASTM D 1577).

Crushed surfacing base course should conform to applicable sections of 4-04 and 9-03.9(3) of the WSDOT Standard Specifications. Hot mix asphalt should conform to applicable sections of 5-04, 9-02 and 9-03 of the WSDOT Standard Specifications.

Standard-Duty ACP – Automobile Driveways and Parking Areas

- 2 inches of hot mix asphalt, class ½ inch, PG 58-22.
- 4 inches of crushed surfacing base course.
- 6 inches of subbase consisting of select granular fill to provide uniform grading and pavement support, to maintain drainage, and to provide separation from subgrade soils.
- Existing site soils or structural fill prepared in accordance with the “Subgrade Preparation” section.

Heavy-Duty ACP – Areas Subject to Heavy Truck Traffic

- 3 inches of hot mix asphalt, class ½ inch, PG 58-22.
- 6 inches of crushed surfacing base course.

- 6 inches of subbase consisting of select granular fill to provide a uniform grading surface and pavement support, to maintain drainage, and to provide separation from subgrade soils.
- Existing site soils or structural fill prepared accordance with the "Subgrade Preparation" section.

Pervious Pavement

General

Our recommendations for pervious pavement design sections are based on information provided in the technical guidance manual for LID (Puget Sound LID manual), completed by the Puget Sound Partnership (December 2012) and our experience designing permeable pavements in the region. The pavement sections presented below are suitable for use in driveway and parking areas and may not be suitable for use on surface streets or in areas with heavy traffic loads such as the ambulance area or entrances to the site. The design of pervious pavements for stormwater management should consider storage capacity of the pervious pavement system and infiltration rate of the subgrade soils. Our general recommendations are provided in the following sections; however, we recommend that final pervious pavement design be completed in accordance with the complete recommendations provided in the Puget Sound LID manual.

Sections for pervious cement concrete pavement and porous asphalt pavement are presented below followed by specific recommendations for each section.

Pervious Cement Concrete Section

- 6 inches of pervious cement concrete.
- 6 inches (minimum) of permeable ballast, more permeable ballast may be required to provide adequate storage capacity for the section.
- Geotextile separation liner.
- Treatment layer (if necessary).
- Subgrade prepared as recommended below.

Porous Asphalt Concrete Section

- 4 inches of porous hot mix asphalt concrete.
- 6 inches (minimum) of permeable ballast, more permeable ballast may be required to provide adequate storage capacity for the section.
- Geotextile separation liner.
- Treatment layer (if necessary).
- Subgrade prepared as recommended below.

Pavement

Permeable pavements should be open graded and should have a minimum infiltration rate of at least 100 inches per hour when newly installed. Field infiltration tests should be considered on newly placed permeable pavements to verify the infiltration rate.

Permeable Ballast

We recommend a minimum 6-inch thick permeable ballast layer that meets the specification for American Public Works Association (APWA) General Special Provision (GSP) 9-03.9(2) Option 1 (shown in Table 3 below). A thicker permeable ballast layer may be necessary to provide sufficient storage capacity for the design infiltration rate. In general, the permeable ballast can be considered to have a porosity of 30 percent.

TABLE 3. GRADATION SPECIFICATION FOR PERMEABLE BALLAST

Sieve Size	Percent Passing
2½ inch	99-100
2 inches	65-100
¾ inch	40-80
No. 4	0-5
No. 100	0-2
% Fracture	95

Permeable ballast layers between 6 and 12 inches thick should be placed as a single lift. The ballast should be lightly compacted to a firm unyielding condition. Overcompaction of the ballast can result in reduced permeability. The prepared ballast layer should be observed by the geotechnical engineer to ensure that the ballast has been adequately compacted prior to placement of the permeable pavement. If the permeable ballast layer is thicker than 12 inches, it should be placed and compacted in multiple lifts not exceeding 12 inches in thickness.

Treatment Layer

Stormwater must be treated prior to infiltration. Stormwater can be captured and pretreated prior to infiltration, treatment layers can be built into the infiltration systems, or the existing site must meet treatment criteria outlined in the SWDM. In order to be suitable for stormwater treatment existing site soils must have a cation exchange capacity (CEC) of 5 milliequivalents/100 grams and an organic content of at least 1 percent. Completing CEC and organic content tests on the site soils was beyond our scope. Site soils may require testing to determine if they are suitable for stormwater treatment.

A geotextile separation fabric should be included between the bottom of the treatment layer and the prepared subgrade to prevent the treatment media from migrating into the subgrade soils. The separation geotextile should be non-woven and meet the requirement of WSDOT Standard Specification 9.33.1 for separation.

Subgrade Preparation

Subgrades below permeable pavement sections should be lightly compacted to a firm and unyielding condition before constructing the permeable pavement section; however, overcompaction of the subgrade should be avoided. Prepared subgrades should be protected from construction traffic, standing water or other disturbance. If portions of the subgrade become disturbed or are overcompacted, the subgrade should be scarified to a minimum depth of 8 inches and recompacted. The subgrade should be recompacted to between 90 and 92 percent of the MDD.

Protection, Maintenance and Icing

It is imperative that soils are not tracked onto pervious pavement surfaced areas during construction. Periodic visual inspections should be performed throughout the pavement life to determine if pervious pavement surfaces are clogged with fine soil or vegetation. Surfaces should be swept with a high-efficiency or vacuum sweeper regularly (typically at least two to four times per year) and washed with a high-pressure hose at least once per year.

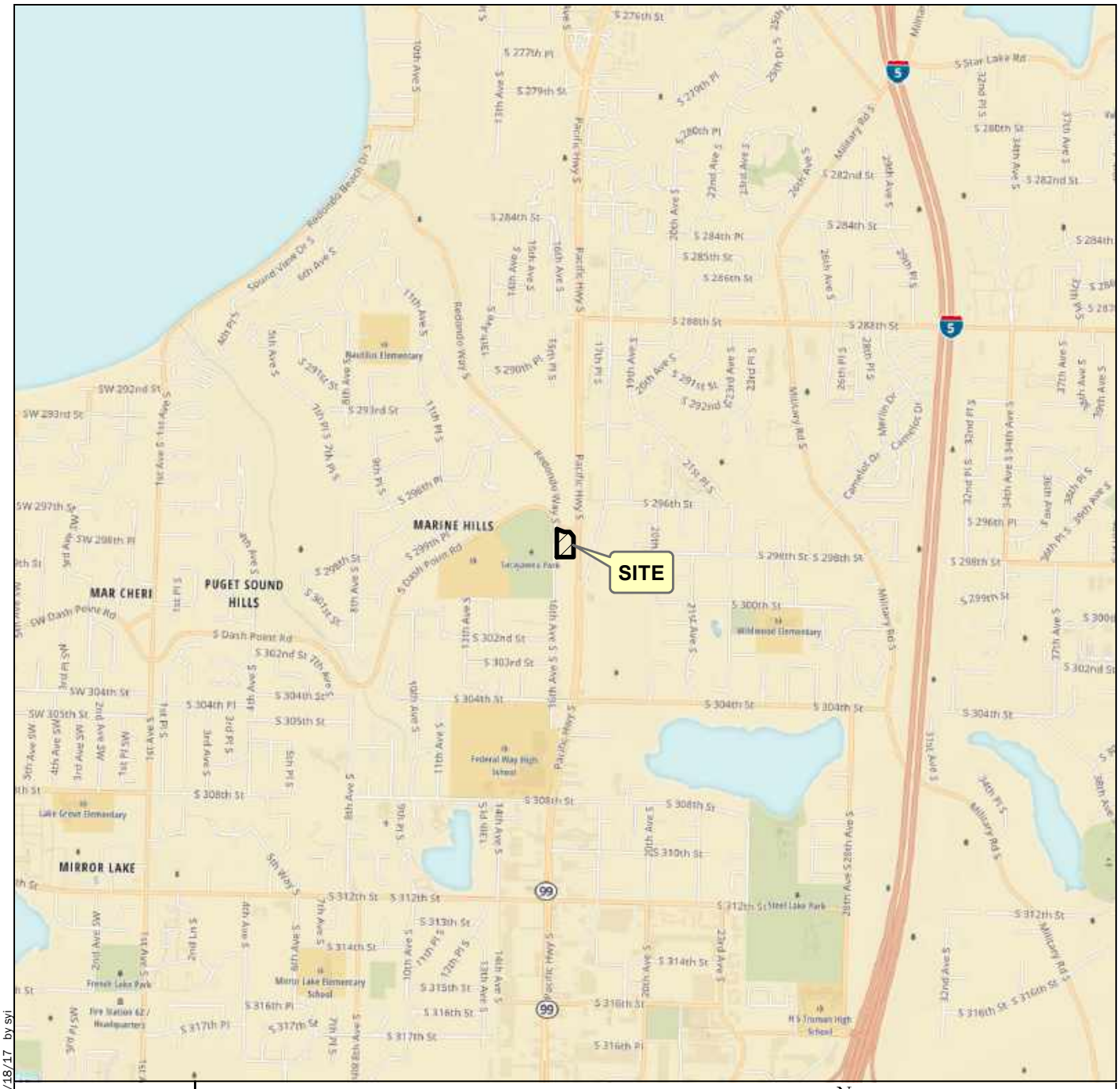
Because the relatively porous base and subbase layers allow some air movement below the pavement, pervious pavement surfaces may become icy more easily than conventional pavement surfaces. This problem is similar to differential icing of bridges and elevated road structures. Users should be made aware of the possibility of differential icing if pervious pavements are used.

LIMITATIONS

We have prepared this report for PhiloWilke Partnership, for the Federal Way Free-Standing Emergency Center in Federal Way, Washington. PhiloWilke Partnership may distribute copies of this report to owner's authorized agents and regulatory agencies as may be required for the Project.

Within the limitations of scope, schedule and budget, our services have been executed in accordance with generally accepted practices for geotechnical engineering services in this area at the time this report was prepared. The conclusions, recommendations, and opinions presented in this report are based on our professional knowledge, judgment and experience. No warranty, express or implied, applies to the services or this report.

Please refer to Appendix B titled "Report Limitations and Guidelines for Use" for additional information pertaining to use of this report.



Notes:

1. The locations of all features shown are approximate.
2. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. cannot guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.

Data Source: Mapbox Open Street Map, 2015

Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Vicinity Map

Federal Way Free Standing Emergency Center
Federal Way, Washington

GeoEngineers

Figure 1

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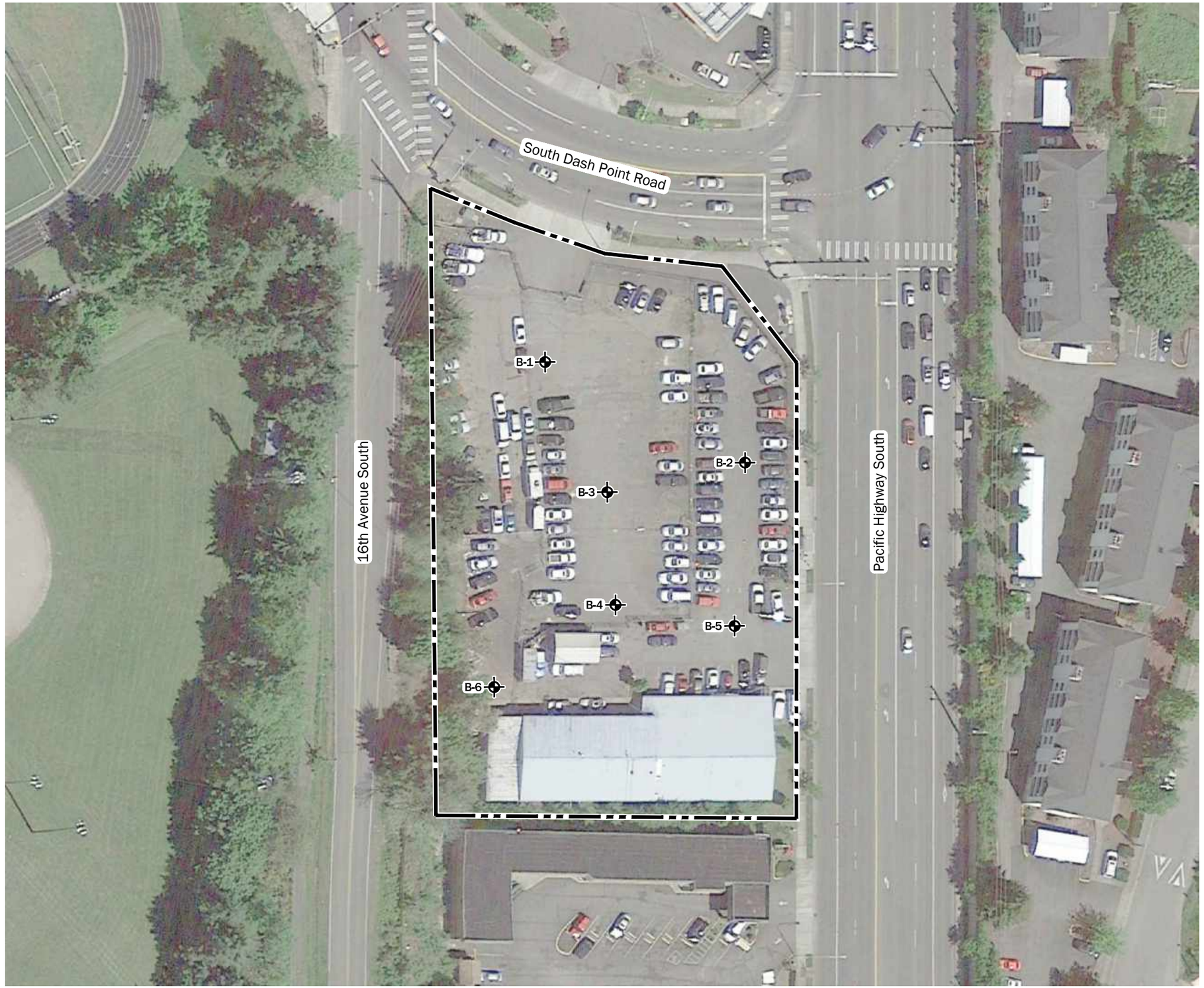

Legend

Site Boundary

B-1 Boring by GeoEngineers, 2017

Notes:

1. The locations of all features shown are approximate.
2. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. cannot guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.

Data Source: Background or Aerial from Google Earth Pro dated 5/22/2017.

Projection: NAD83 Washington State Planes, North Zone, US Foot

N W E S

60 0 60
Feet

Site Plan

Federal Way Free Standing Emergency Center
Federal Way, Washington

GeoEngineers

Figure 2

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APPENDIX A
Subsurface Explorations and Laboratory Testing

APPENDIX A
SUBSURFACE EXPLORATIONS AND LABORATORY TESTING

Subsurface Explorations

Subsurface conditions were explored by advancing six hollow-stem auger borings on September 8, 2017. Subsurface exploratory services were provided by Holocene Drilling, Inc. under subcontract to GeoEngineers, Inc. The borings were advanced to between about 10.75 and 21.5 feet below surrounding site grade.

The locations of the borings were determined by measuring from existing site features. The exploration locations and other site features are included on the Site Plan, Figure 2. The elevations on our explorations are computer generated based on the NAD83 Washington State Planes North Zone Projection. The locations and elevations of the explorations should be considered approximate.

Our field representative collected samples, classified the soils, maintained a detailed log of the explorations and observed groundwater conditions. The samples were obtained with a standard split spoon sampler in general accordance with ASTM International (ASTM) D 1586. Field blow counts are presented on the log. The soils were classified visually in general accordance with the system described in Figure B-1, which includes a key to the exploration logs. Summary logs of the explorations are included as Figures B-2 through B-7.

Laboratory Testing

Soil samples obtained from the borings were transported to GeoEngineers laboratory. Representative soil samples were selected for laboratory tests to evaluate the pertinent geotechnical engineering characteristics of the site soils and to confirm our field classification.

Our testing program consisted of the following:

- Five – Grain-size distribution analyses (SA)
- One – Percent passing U.S. No. 200 sieve (%F)

Tests were performed in general accordance with test methods of ASTM or other applicable procedures. The following sections provide a general description of the tests performed.

Grain-Size

Grain-size analyses were performed on selected samples in general accordance with ASTM Test Method C 136. This test provides a quantitative determination of the distribution of particle sizes in soils. Grain-size analyses are used to classify soil and to aid in evaluating index properties. Figures A-8 and A-9 present the results of the grain-size analyses.

Percent Passing the U.S. No. 200 Sieve

Selected samples were "washed" through the U.S. No. 200 sieve to estimate the relative percentages of coarse- and fine-grained particles in the soil. The percent passing value represents the percentage by weight of the sample finer than the U.S. No. 200 sieve (fines). The tests were conducted in general accordance with ASTM D 1140. The test results are presented on the exploration logs in Appendix A at the respective sample depths.

SOIL CLASSIFICATION CHART

MAJOR DIVISIONS			SYMBOLS GRAPH	SYMBOLS LETTER	TYPICAL DESCRIPTIONS
COARSE GRAINED SOILS	GRAVEL AND GRAVELLY SOILS	CLEAN GRAVELS (LITTLE OR NO FINES)		GW	WELL-GRADED GRAVELS, GRAVEL - SAND MIXTURES
				GP	POORLY-GRADED GRAVELS, GRAVEL - SAND MIXTURES
	MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)		GM	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURES
				GC	CLAYEY GRAVELS, GRAVEL - SAND - CLAY MIXTURES
MORE THAN 50% RETAINED ON NO. 200 SIEVE	SAND AND SANDY SOILS	CLEAN SANDS (LITTLE OR NO FINES)		SW	WELL-GRADED SANDS, GRAVELLY SANDS
				SP	POORLY-GRADED SANDS, GRAVELLY SAND
	MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE	SANDS WITH FINES (APPRECIABLE AMOUNT OF FINES)		SM	SILTY SANDS, SAND - SILT MIXTURES
				SC	CLAYEY SANDS, SAND - CLAY MIXTURES
FINE GRAINED SOILS	SILTS AND CLAYS	LIQUID LIMIT LESS THAN 50		ML	INORGANIC SILTS, ROCK FLOUR, CLAYEY SILTS WITH SLIGHT PLASTICITY
				CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
				OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
MORE THAN 50% PASSING NO. 200 SIEVE	SILTS AND CLAYS	LIQUID LIMIT GREATER THAN 50		MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS SILTY SOILS
				CH	INORGANIC CLAYS OF HIGH PLASTICITY
				OH	ORGANIC CLAYS AND SILTS OF MEDIUM TO HIGH PLASTICITY
HIGHLY ORGANIC SOILS				PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS

NOTE: Multiple symbols are used to indicate borderline or dual soil classifications

ADDITIONAL MATERIAL SYMBOLS

SYMBOLS GRAPH	SYMBOLS LETTER	TYPICAL DESCRIPTIONS
	AC	Asphalt Concrete
	CC	Cement Concrete
	CR	Crushed Rock/ Quarry Spalls
	SOD	Sod/Forest Duff
	TS	Topsoil

Groundwater Contact

Measured groundwater level in exploration, well, or piezometer

Measured free product in well or piezometer

Graphic Log Contact

Distinct contact between soil strata

Approximate contact between soil strata

Material Description Contact

Contact between geologic units

Contact between soil of the same geologic unit

Sampler Symbol Descriptions

2.4-inch I.D. split barrel

Standard Penetration Test (SPT)

Shelby tube

Piston

Direct-Push

Bulk or grab

Continuous Coring

Blowcount is recorded for driven samplers as the number of blows required to advance sampler 12 inches (or distance noted). See exploration log for hammer weight and drop.

"P" indicates sampler pushed using the weight of the drill rig.

"WOH" indicates sampler pushed using the weight of the hammer.

Laboratory / Field Tests

%F	Percent fines
%G	Percent gravel
AL	Atterberg limits
CA	Chemical analysis
CP	Laboratory compaction test
CS	Consolidation test
DD	Dry density
DS	Direct shear
HA	Hydrometer analysis
MC	Moisture content
MD	Moisture content and dry density
Mohs	Mohs hardness scale
OC	Organic content
PM	Permeability or hydraulic conductivity
PI	Plasticity index
PP	Pocket penetrometer
SA	Sieve analysis
TX	Triaxial compression
UC	Unconfined compression
VS	Vane shear

Sheen Classification

NS	No Visible Sheen
SS	Slight Sheen
MS	Moderate Sheen
HS	Heavy Sheen

NOTE: The reader must refer to the discussion in the report text and the logs of explorations for a proper understanding of subsurface conditions. Descriptions on the logs apply only at the specific exploration locations and at the time the explorations were made; they are not warranted to be representative of subsurface conditions at other locations or times.

Key to Exploration Logs

GeoEngineers

Figure A-1

Drilled: Start 9/8/2017 End 9/8/2017	Total Depth (ft): 11.5	Logged By: CRG Checked By: BEL	Driller: Holocene Drilling, Inc.	Drilling Method: Hollow-stem Auger	
Surface Elevation (ft): 420 Vertical Datum: NAVD88		Hammer Data: Auto Hammer 140 (lbs) / 30 (in) Drop		Drilling Equipment: D50 Track Rig	
Easting (X): 1273546 Northing (Y): 125925		System Datum: WA State Plane North NAD83 (feet)		Groundwater Date Measured	Depth to Water (ft) / Elevation (ft)

Notes:

Elevation (feet)	Depth (feet)	FIELD DATA: Interval Recovered (in)	Blows/foot	Collected Sample	Sample Name Testing	Water Level	Graphic Log	Group Classification	MATERIAL DESCRIPTION	Moisture Content (%)	Fines Content (%)	REMARKS
	0							AC	3 inches asphalt concrete			
		16	47		1 SA			SM	Gray silty fine to coarse sand with gravel (dense, moist) (fill)	6	18	
		16	28		2				Grades to medium dense			
415	5	0	5		3			SM	Brown silty fine to medium sand with occasional gravel and organic debris (loose, moist)			No recovery in SPT. 3-inch sampler used to collect sample.
								SM	Gray silty fine to coarse sand with gravel (very dense, moist) (glacial till)			
410	10		55		4							

Note: See Figure A-1 for explanation of symbols.
Coordinates Data Source: Horizontal approximated based on Aerial Imagery, Vertical approximated based on Google Earth

Log of Boring B-1

GeoEngineers

Project: Federal Way Free-Standing Emergency Center
Project Location: Federal Way, Washington
Project Number: 2868-017-00

Figure A-2
Sheet 1 of 1

Date:9/26/17 Path:P:\2\2868017\GINT\2868017700.GPJ DBLibrary/Library:GEOENGINEERS_DF_STD_US_JUNE_2017.GLB/GEI8_GEOTECH_STANDARD_%F

Drilled: Start 9/8/2017 End 9/8/2017	Total Depth (ft): 11.5	Logged By: CRG Checked By: BEL	Driller: Holocene Drilling, Inc.	Drilling Method: Hollow-stem Auger	
Surface Elevation (ft) / Vertical Datum: 420 NAVD88		Hammer Data: Auto Hammer 140 (lbs) / 30 (in) Drop		Drilling Equipment: D50 Track Rig	
Easting (X) / Northing (Y): 1273665 125865		System Datum: WA State Plane North NAD83 (feet)		Groundwater Date Measured	Depth to Water (ft) / Elevation (ft)

Notes:

Elevation (feet)	Depth (feet)	Interval Recovered (in)	Blows/foot	Collected Sample	Sample Name Testing	Water Level	Graphic Log	Group Classification	MATERIAL DESCRIPTION	Moisture Content (%)	Fines Content (%)	REMARKS
	0							AC	3 inches asphalt concrete			
		16	27		1			SM	Brown mottled gray silty fine to coarse sand with gravel (medium dense, moist) (fill)			
		14	17		2				Grades to with occasional debris (brick)			
415	5	0	24		3			SM	Brown/gray with orange staining silty fine to medium sand with gravel (medium dense, moist)			No recovery in SPT. 3-inch sampler used to collect sample.
								SM	Brown to gray silty fine to medium sand with occasional debris (asphalt) (medium dense, moist)			
410	10	12	24		4							

Note: See Figure A-1 for explanation of symbols.
Coordinates Data Source: Horizontal approximated based on Aerial Imagery, Vertical approximated based on Google Earth

Log of Boring B-2

GeoEngineers

Project: Federal Way Free-Standing Emergency Center
Project Location: Federal Way, Washington
Project Number: 2868-017-00

Figure A-3
Sheet 1 of 1

Date:9/26/17 Path:P:\2\2868017\GINT\286801700.GPJ DBLibrary/Library:GEOENGINEERS_DF_STD_US_JUNE_2017.GLB/GEI8_GEOTECH_STANDARD_%F

Drilled: Start 9/8/2017 End 9/8/2017	Total Depth (ft): 21.5	Logged By: CRG Checked By: BEL	Driller: Holocene Drilling, Inc.	Drilling Method: Hollow-stem Auger	
Surface Elevation (ft) Vertical Datum: 420 NAVD88		Hammer Data: Auto Hammer 140 (lbs) / 30 (in) Drop		Drilling Equipment: D50 Track Rig	
Easting (X) Northing (Y): 1273583 125848		System Datum: WA State Plane North NAD83 (feet)		Groundwater Date Measured	Depth to Water (ft) / Elevation (ft)

Notes:

Elevation (feet)	Depth (feet)	FIELD DATA: Interval Recovered (in)	Blows/foot	Collected Sample	Sample Name Testing	Water Level	Graphic Log	Group Classification	MATERIAL DESCRIPTION	Moisture Content (%)	Fines Content (%)	REMARKS
	0							AC	4 inches asphalt concrete			
								GM	Gray silty fine to coarse gravel with sand (dense, moist) (fill)			
		0	19		1 SA				Grades to wet	6	19	No recovery in SPT. 3-inch sampler used to collect sample. Perched groundwater observed at 2½ feet during drilling
415	5	10	5		2			SM	Brown silty fine to medium sand with gravel and organic debris (loose, moist)			
								SM	Brown to gray silty fine to coarse sand with gravel (medium dense, moist) (glacial till)			
410	10	16	25		3							
									Grades to very dense			
405	15	16	56		4							
								SP-SM	Gray fine to medium sand with silt and gravel (very dense, moist) (advance outwash)			
400	20		86/12"		5							

Note: See Figure A-1 for explanation of symbols.
Coordinates Data Source: Horizontal approximated based on Aerial Imagery, Vertical approximated based on Google Earth

Log of Boring B-3

GeoEngineers

Project: Federal Way Free-Standing Emergency Center
Project Location: Federal Way, Washington
Project Number: 2868-017-00

Figure A-4
Sheet 1 of 1

Date:9/26/17 Path:P:\2\28680017\GINT\28680017 00.GPJ DBLibrary/Library:GEOENGINEERS_DF_STD_US_JUNE_2017.GLB/GEI8_GEOTECH_STANDARD_%F

Drilled: Start 9/8/2017 End 9/8/2017	Total Depth (ft): 21.5	Logged By: CRG Checked By: BEL	Driller: Holocene Drilling, Inc.	Drilling Method: Hollow-stem Auger	
Surface Elevation (ft): 420 Vertical Datum: NAVD88		Hammer Data: Auto Hammer 140 (lbs) / 30 (in) Drop		Drilling Equipment: D50 Track Rig	
Easting (X): 1273588 Northing (Y): 125780		System Datum: WA State Plane North NAD83 (feet)		Groundwater Date Measured	Depth to Water (ft) / Elevation (ft)

Notes:

Elevation (feet)	Depth (feet)	FIELD DATA: Interval Recovered (in)	Blows/foot	Collected Sample	Sample Name Testing	Water Level	Graphic Log	Group Classification	MATERIAL DESCRIPTION	Moisture Content (%)	Fines Content (%)	REMARKS
	0							AC	4 inches asphalt concrete			
								SM	Brown to gray silty fine to coarse sand with gravel (medium dense, moist) (fill)			
		8	14		1							
415	5	16	3		2 SA				Grades to with organic debris and very loose	20	33	
								SM	Gray silty fine to coarse sand with gravel (very dense, moist) (glacial till)			
410	10	11	50/5"		3							No recovery in SPT. 3-inch sampler used to collect sample.
								SP-SM	Gray fine to coarse sand with silt and gravel (very dense, moist) (advance outwash)			
405	15	12	50/6"		4							
400	20	18	50/6"		5							

Note: See Figure A-1 for explanation of symbols.
Coordinates Data Source: Horizontal approximated based on Aerial Imagery, Vertical approximated based on Google Earth

Log of Boring B-4

GeoEngineers

Project: Federal Way Free-Standing Emergency Center
Project Location: Federal Way, Washington
Project Number: 2868-017-00

Figure A-5
Sheet 1 of 1

Date:9/26/17 Path:P:\2\2868017\GINT\286801700.GPJ DBLibrary/Library:GEOENGINEERS_DF_STD_US_JUNE_2017.GLB/GEI8_GEOTECH_STANDARD_%F

Drilled: Start 9/8/2017 End 9/8/2017	Total Depth (ft): 11.5	Logged By: CRG Checked By: BEL	Driller: Holocene Drilling, Inc.	Drilling Method: Hollow-stem Auger	
Surface Elevation (ft): 420 Vertical Datum: NAVD88		Hammer Data: Auto Hammer 140 (lbs) / 30 (in) Drop		Drilling Equipment: D50 Track Rig	
Easting (X): 1273659 Northing (Y): 125768		System Datum: WA State Plane North NAD83 (feet)		Groundwater Date Measured	Depth to Water (ft) / Elevation (ft)

Notes:

Elevation (feet)	Depth (feet)	FIELD DATA: Interval Recovered (in)	Blows/foot	Collected Sample	Sample Name Testing	Water Level	Graphic Log	Group Classification	MATERIAL DESCRIPTION	Moisture Content (%)	Fines Content (%)	REMARKS
	0							AC	3 inches asphalt concrete			
		18	8		1			SM	Gray silty fine to coarse sand with gravel (loose, moist) (fill)			
		18	3		2				Grades to very loose			
415	5	0	4		3 SA				Grades to loose	16	23	No recovery in SPT. 3-inch sampler used to collect sample.
410	10	0	2		4				Grades to very loose and wet			Perched groundwater observed at 10 feet bgs during drilling

Note: See Figure A-1 for explanation of symbols.
Coordinates Data Source: Horizontal approximated based on Aerial Imagery, Vertical approximated based on Google Earth

Log of Boring B-5

GeoEngineers

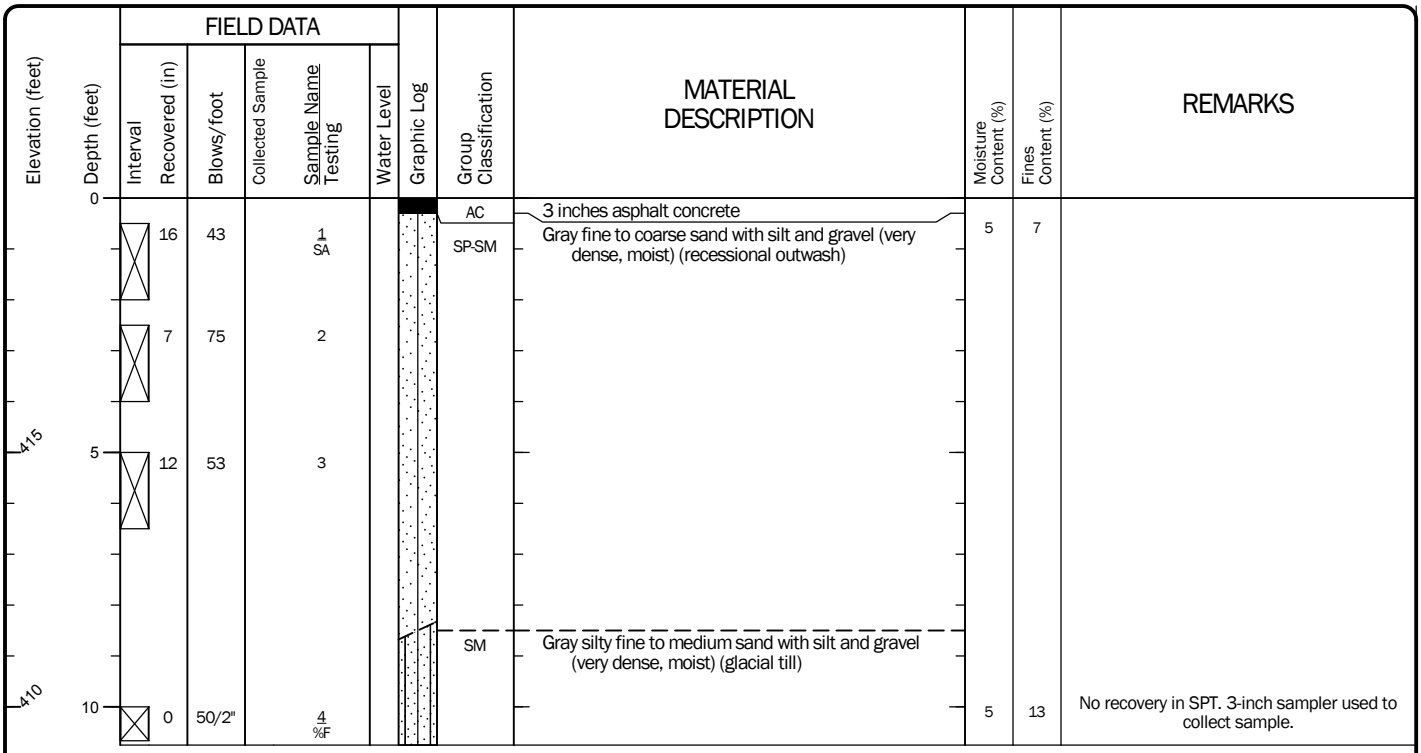
Project: Federal Way Free-Standing Emergency Center
Project Location: Federal Way, Washington
Project Number: 2868-017-00

Figure A-6
Sheet 1 of 1

Date:9/26/17 Path:P:\2\2868017\GINT\2868017700.GPJ DBLibrary/Library:GEOENGINEERS_DF_STD_US_JUNE_2017.GLB/GEI8_GEOTECH_STANDARD_%F

Drilled: Start 9/8/2017 End 9/8/2017	Total Depth (ft): 10.75	Logged By: CRG Checked By: BEL	Driller: Holocene Drilling, Inc.	Drilling Method: Hollow-stem Auger	
Surface Elevation (ft): 420 Vertical Datum: NAVD88		Hammer Data: Auto Hammer 140 (lbs) / 30 (in) Drop		Drilling Equipment: D50 Track Rig	
Easting (X): 1273515 Northing (Y): 125731		System Datum: WA State Plane North NAD83 (feet)		Groundwater Date Measured	Depth to Water (ft) / Elevation (ft)

Notes:



Note: See Figure A-1 for explanation of symbols.
Coordinates Data Source: Horizontal approximated based on Aerial Imagery, Vertical approximated based on Google Earth

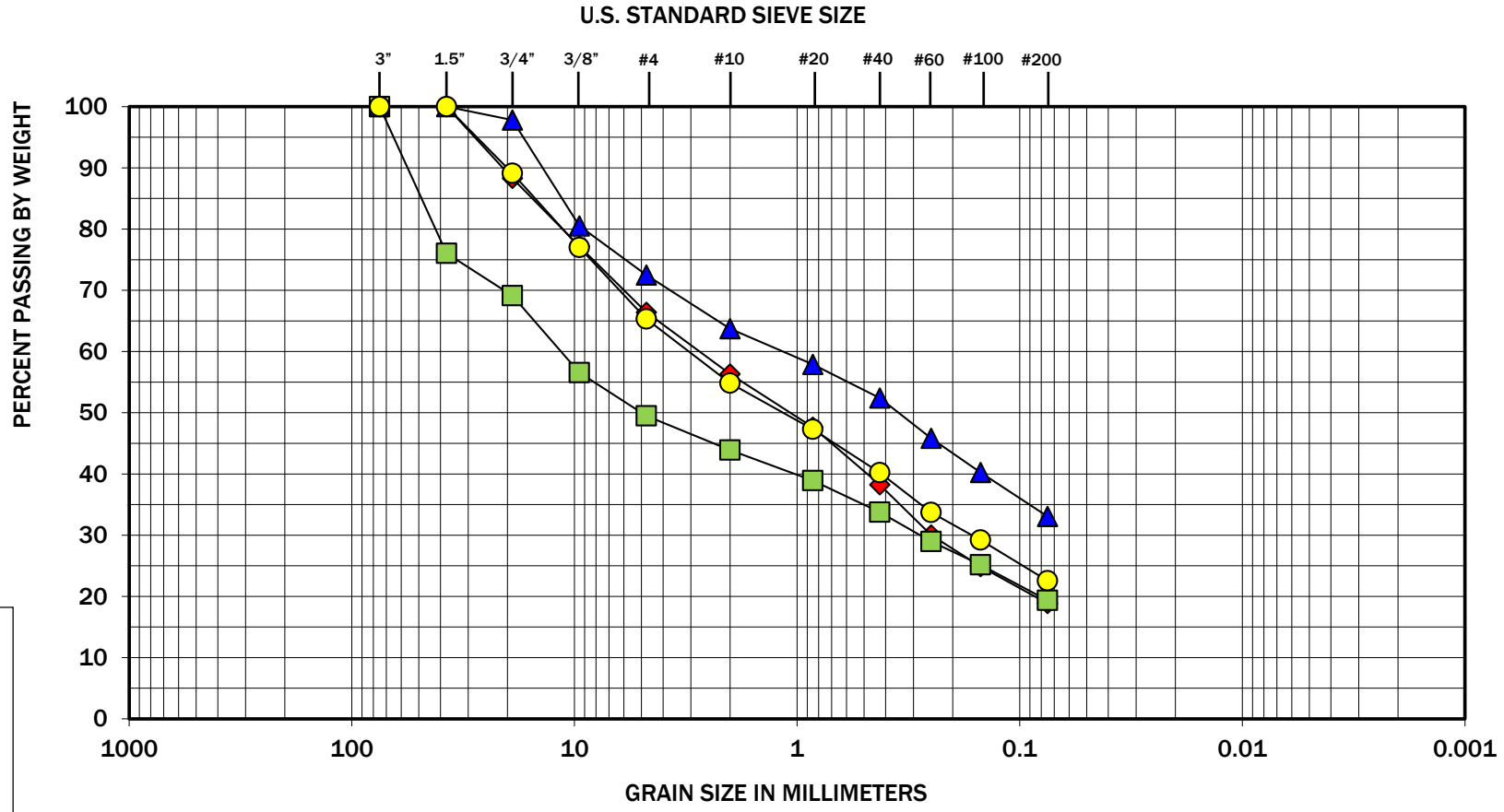
Log of Boring B-6

GeoEngineers

Project: Federal Way Free-Standing Emergency Center
Project Location: Federal Way, Washington
Project Number: 2868-017-00

Figure A-7
Sheet 1 of 1

Date:9/26/17 Path:P:\2\2868017\GINT\2868017700.GPJ DBLibrary/Library:GEOENGINEERS_DF_STD_US_JUNE_2017.GLB/GEI8_GEOTECH_STANDARD_%F



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

Symbol	Boring Number	Depth (feet)	Moisture (%)	Laboratory Soil Description
◆	B-1	0.5	6	Silty fine to coarse sand with gravel (SM)
■	B-3	2.5	6	Silty fine to coarse gravel with sand (GM)
▲	B-4	5	20	Silty fine to medium sand with gravel (SM)

Note: This report may not be reproduced, except in full, without written approval of GeoEngineers, Inc. Test results are applicable only to the specific sample on which they were performed, and should not be interpreted as representative of any other samples obtained at other times, depths or locations, or generated by separate operations or processes.

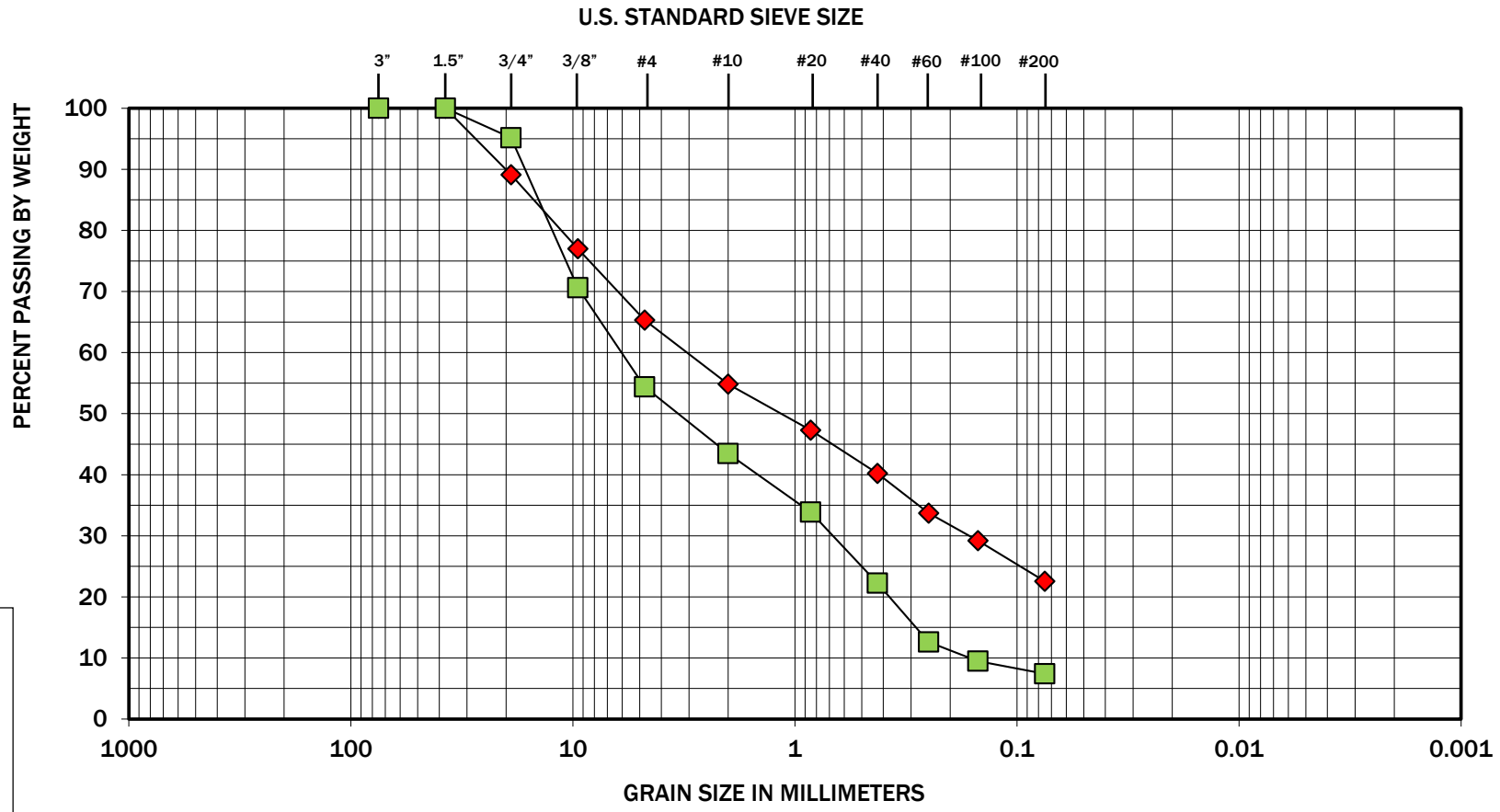
The grain size analysis results were obtained in general accordance with ASTM D 6913.

GeoEngineers

Federal Way Free-sanding Emergency Center
Federal Way, Washington

Sieve Analysis Results

Figure-A-8



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

Symbol	Boring Number	Depth (feet)	Moisture (%)	Laboratory Soil Description
◆	B-5	5	16	Silty fine to coarse sand with gravel (SM)
■	B-6	0.5	5	Fine to coarse sand with silt and gravel (SP-SM)

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The grain size analysis results were obtained in general accordance with ASTM D 6913.

GeoEngineers

Figure A-9

Federal Way Free-sanding Emergency Center
Federal Way, Washington

Sieve Analysis Results

APPENDIX B
Report Limitations and Guidelines for Use

APPENDIX B
REPORT LIMITATIONS AND GUIDELINES FOR USE[1]

This appendix provides information to help you manage your risks with respect to the use of this report.

Read These Provisions Closely

It is important to recognize that the geoscience practices (geotechnical engineering, geology and environmental science) rely on professional judgment and opinion to a greater extent than other engineering and natural science disciplines, where more precise and/or readily observable data may exist. To help clients better understand how this difference pertains to our services, GeoEngineers includes the following explanatory "limitations" provisions in its reports. Please confer with GeoEngineers if you need to know more how these "Report Limitations and Guidelines for Use" apply to your project or site.

Geotechnical Services are Performed for Specific Purposes, Persons and Projects

This report has been prepared for PhiloWilke Partnership and for the Project(s) specifically identified in the report. The information contained herein is not applicable to other sites or projects.

GeoEngineers structures its services to meet the specific needs of its clients. No party other than the party to whom this report is addressed may rely on the product of our services unless we agree to such reliance in advance and in writing. Within the limitations of the agreed scope of services for the Project, and its schedule and budget, our services have been executed in accordance with our Agreement with PhiloWilke Partnership dated August 30, 2017 and generally accepted geotechnical practices in this area at the time this report was prepared. We do not authorize, and will not be responsible for, the use of this report for any purposes or projects other than those identified in the report.

A Geotechnical Engineering or Geologic Report is based on a Unique Set of Project-Specific Factors

This report has been prepared for the Federal Way Free-Standing Emergency Center in Federal Way, Washington. GeoEngineers considered a number of unique, project-specific factors when establishing the scope of services for this project and report. Unless GeoEngineers specifically indicates otherwise, it is important not to rely on this report if it was:

- not prepared for you,
- not prepared for your project,
- not prepared for the specific site explored, or
- completed before important project changes were made.

For example, changes that can affect the applicability of this report include those that affect:

- the function of the proposed structure;
- elevation, configuration, location, orientation or weight of the proposed structure;

[1] Developed based on material provided by ASFE, Professional Firms Practicing in the Geosciences; www.asfe.org.

- composition of the design team; or
- project ownership.

If changes occur after the date of this report, GeoEngineers cannot be responsible for any consequences of such changes in relation to this report unless we have been given the opportunity to review our interpretations and recommendations. Based on that review, we can provide written modifications or confirmation, as appropriate.

Environmental Concerns are Not Covered

Unless environmental services were specifically included in our scope of services, this report does not provide any environmental findings, conclusions, or recommendations, including but not limited to, the likelihood of encountering underground storage tanks or regulated contaminants.

Information Provided by Others

GeoEngineers has relied upon certain data or information provided or compiled by others in the performance of our services. Although we use sources that we reasonably believe to be trustworthy, GeoEngineers cannot warrant or guarantee the accuracy or completeness of information provided or compiled by others.

Subsurface Conditions Can Change

This geotechnical or geologic report is based on conditions that existed at the time the study was performed. The findings and conclusions of this report may be affected by the passage of time, by man-made events such as construction on or adjacent to the site, new information or technology that becomes available subsequent to the report date, or by natural events such as floods, earthquakes, slope instability or groundwater fluctuations. If more than a few months have passed since issuance of our report or work product, or if any of the described events may have occurred, please contact GeoEngineers before applying this report for its intended purpose so that we may evaluate whether changed conditions affect the continued reliability or applicability of our conclusions and recommendations.

Information Provided by Others

GeoEngineers has relied upon certain data or information provided or compiled by others in the performance of our services. Although we use sources that we reasonably believe to be trustworthy, GeoEngineers cannot warrant or guarantee the accuracy or completeness of information provided or compiled by others.

Geotechnical and Geologic Findings are Professional Opinions

Our interpretations of subsurface conditions are based on field observations from widely spaced sampling locations at the site. Site exploration identifies the specific subsurface conditions only at those points where subsurface tests are conducted or samples are taken. GeoEngineers reviewed field and laboratory data and then applied its professional judgment to render an informed opinion about subsurface conditions at other locations. Actual subsurface conditions may differ, sometimes significantly, from the opinions presented in this report. Our report, conclusions and interpretations are not a warranty of the actual subsurface conditions.

Geotechnical Engineering Report Recommendations are Not Final

We have developed the following recommendations based on data gathered from subsurface investigation(s). These investigations sample just a small percentage of a site to create a snapshot of the subsurface conditions elsewhere on the site. Such sampling on its own cannot provide a complete and accurate view of subsurface conditions for the entire site. Therefore, the recommendations included in this report are preliminary and should not be considered final. GeoEngineers' recommendations can be finalized only by observing actual subsurface conditions revealed during construction. GeoEngineers cannot assume responsibility or liability for the recommendations in this report if we do not perform construction observation.

We recommend that you allow sufficient monitoring, testing and consultation during construction by GeoEngineers to confirm that the conditions encountered are consistent with those indicated by the explorations, to provide recommendations for design changes if the conditions revealed during the work differ from those anticipated, and to evaluate whether earthwork activities are completed in accordance with our recommendations. Retaining GeoEngineers for construction observation for this project is the most effective means of managing the risks associated with unanticipated conditions. If another party performs field observation and confirms our expectations, the other party must take full responsibility for both the observations and recommendations. Please note, however, that another party would lack our project-specific knowledge and resources.

A Geotechnical Engineering or Geologic Report Could Be Subject to Misinterpretation

Misinterpretation of this report by members of the design team or by contractors can result in costly problems. GeoEngineers can help reduce the risks of misinterpretation by conferring with appropriate members of the design team after submitting the report, reviewing pertinent elements of the design team's plans and specifications, participating in pre-bid and preconstruction conferences, and providing construction observation.

Do Not Redraw the Exploration Logs

Geotechnical engineers and geologists prepare final boring and testing logs based upon their interpretation of field logs and laboratory data. The logs included in a geotechnical engineering or geologic report should never be redrawn for inclusion in architectural or other design drawings. Photographic or electronic reproduction is acceptable, but separating logs from the report can create a risk of misinterpretation.

Give Contractors a Complete Report and Guidance

To help reduce the risk of problems associated with unanticipated subsurface conditions, GeoEngineers recommends giving contractors the complete geotechnical engineering or geologic report, including these "Report Limitations and Guidelines for Use." When providing the report, you should preface it with a clearly written letter of transmittal that:

- advises contractors that the report was not prepared for purposes of bid development and that its accuracy is limited; and
- encourages contractors to confer with GeoEngineers and/or to conduct additional study to obtain the specific types of information they need or prefer.

Contractors are Responsible for Site Safety on Their Own Construction Projects

Our geotechnical recommendations are not intended to direct the contractor's procedures, methods, schedule or management of the work site. The contractor is solely responsible for job site safety and for managing construction operations to minimize risks to on-site personnel and adjacent properties.

Biological Pollutants

GeoEngineers' Scope of Work specifically excludes the investigation, detection, prevention or assessment of the presence of Biological Pollutants. Accordingly, this report does not include any interpretations, recommendations, findings or conclusions regarding the detecting, assessing, preventing or abating of Biological Pollutants, and no conclusions or inferences should be drawn regarding Biological Pollutants as they may relate to this project. The term "Biological Pollutants" includes, but is not limited to, molds, fungi, spores, bacteria and viruses, and/or any of their byproducts.

A Client that desires these specialized services is advised to obtain them from a consultant who offers services in this specialized field.

Supplemental Phase II ESA – November 8, 2017
(Previously Submitted to Ecology)

Limited Phase II ESA Oversight & Split Sampling Event – September 18, 2018
(Previously Submitted to Ecology)

FEDERAL WAY FREE STANDING EMERGENCY CENTER

29805 PACIFIC HIGHWAY SOUTH, FEDERAL WAY, WA 98003

SOIL VAPOR MITIGATION SYSTEM

GENERAL NOTES

JOBS WITH VAPOR BARRIER MEMBRANES HAVE SPECIAL REQUIREMENTS AND REQUIRE CONTINUOUS INSPECTION. THE VAPOR BARRIER MUST BE INSTALLED WITH SPECIAL "DEPUTY TYPE" INSPECTION AND TESTING. ANY DAMAGE DONE TO THE VAPOR BARRIER AFTER IT HAS INITIALLY PASSED SPECIAL "DEPUTY TYPE" INSPECTION MUST BE REPAIRED, AND RETESTED. OBSERVING THE FOLLOWING PRECAUTIONS SHOULD MINIMIZE REPAIR EFFORTS.

- GRADING CONTRACTOR SHALL ROUGH GRADE PAD TO ACCOMMODATE THE MEMBRANE SANDWICH INCLUDING ANY SAND LAYERS ABOVE AND/OR BELOW THE MEMBRANE.

- GENERAL CONTRACTOR AND ALL SUBCONTRACTORS SHALL INSURE THAT NO DAMAGE IS DONE TO VAPOR BARRIER MEMBRANE SUBSEQUENT TO INITIAL INSTALLATION, INCLUDING PUNCTURING WITH TOOLS OR OTHERWISE, OR PLACING OR STORING MATERIAL OVER THE VAPOR BARRIER, OR DRIVING EQUIPMENT OVER THE VAPOR BARRIER WITHOUT ADEQUATE PROTECTION & THE APPROVAL OF THE SOIL VAPOR MANAGEMENT SYSTEM DEPUTY INSPECTOR.
- SPECIAL PRECAUTION SHALL BE TAKEN DURING ANY REBAR SAWING/TRIMMING OPERATION SO AS NOT TO CUT THROUGH THE COMPLETED PROTECTION COURSE AND MEMBRANE.
- PLUMBERS SHALL INSURE THAT ALL SUBSLAB PIPING AND DRAINS ARE IN PLACE PRIOR TO PLACING VAPOR BARRIER, TO AVOID CUTTING VAPOR BARRIER MEMBRANE.
- ELECTRICIANS SHALL INSURE THAT ALL SUBSLAB CONDUIT IS IN PLACE PRIOR TO PLACING VAPOR BARRIER, TO AVOID CUTTING VAPOR BARRIER MEMBRANE.
- NOTE: WHERE SAND IS CHOSEN AS A PROTECTION COURSE, SMALLER DIAMETER CONDUITS MAY BE CAREFULLY LAID ABOVE THE VAPOR BARRIER MEMBRANE IN THE TWO INCH SAND PROTECTION COURSE, WITH SOIL VAPOR ENGINEER AND/OR DEPUTY APPROVAL.
- CONCRETE WORKERS SHALL NOTE THAT CERTAIN CONCRETE WORKS NEED A SMOOTH TROWEL FINISH IN ORDER TO ALLOW VAPOR BARRIER ADHESION OR BATTENING TO THE CONCRETE. COORDINATE WITH THE VAPOR BARRIER CONTRACTOR;
- CONCRETE WORKERS SHALL AVOID CHIPPING CONCRETE FROM ABOVE DIRECTLY ONTO INSTALLED VAPOR BARRIER BELOW;
- WELDERS SHALL AVOID BURNING VAPOR BARRIER BY PLACING A HEAT RESISTANT PROTECTIVE COVER OVER VAPOR BARRIER MATERIAL.WHENEVER TORCHES ARE BEING USED.
- GRADING OR OTHER SUBCONTRACTORS SHALL AVOID BURYING VAPOR BARRIER TERMINATIONS THAT NEED TO BE ATTACHED-TO LATER ON. COORDINATE WITH VAPOR BARRIER CONTRACTOR.
- CONCRETE SUBCONTRACTORS SHALL EXERCISE CAUTION IN PLACING REBAR IN VAPOR BARRIER AREAS. REBAR CHAIRS SHALL NEVER BE PLACED DIRECTLY UPON VAPOR BARRIER;

- BEFORE POURING SLAB:
  CONCRETE SUBCONTRACTORS SHALL NOT POUR OVER VAPOR BARRIER WITHOUT SPECIFIC WRITTEN APPROVAL (RELEASE) OF THE BARRIER BY THE DEPUTY SOIL VAPOR BARRIER INSPECTOR, FOR THE AREA TO BE POURED. STATING OKAY TO POUR.

NOTICE TO CONTRACTORS:

SAFETY: ALL CONTRACTORS' AND SUBCONTRACTORS SHALL COMPLY WITH OSHA (OCCUPATIONAL SAFETY AND HEALTH) REGULATIONS OF THE U.S. DEPARTMENT OF LABOR; CONSTRUCTION SAFETY ORDERS, AT ALL TIMES, NOT JUST DURING WORKING HOURS.

RESPONSIBILITY: NEITHER THE DEVELOPER, NOR THE DEPUTY INSPECTOR, NOR THE ENGINEER SHALL BE RESPONSIBLE IN ANY WAY FOR CONTRACTOR-SUBCONTRACTOR OSHA COMPLIANCE.

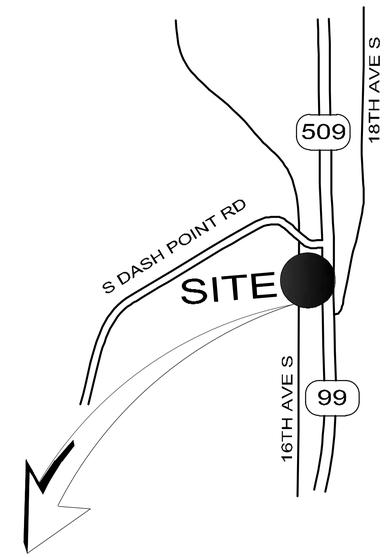
HOLD HARMLESS: CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD HARMLESS THE ENGINEER AND THE OWNER, FROM ALL REAL OR ALLEGED LIABILITY WHICH MIGHT ARISE OUT OF PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.

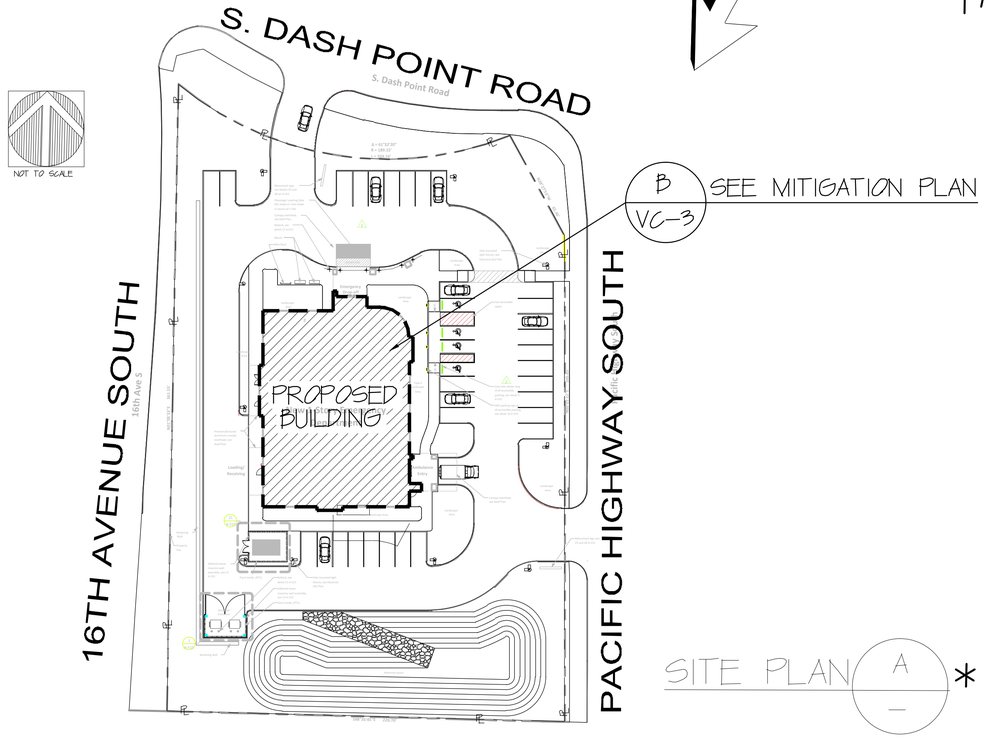
PRINT FULL SIZE 22" x 34"

LIST OF DRAWINGS

VC-1	GAS MITIGATION TITLE SHEET/SITE PLAN & GENERAL NOTES
VC-2	DESIGN CONCEPT SECTION
VC-3	SUBSLAB MEMBRANE AND VENTING PLAN
VC-4	MEMBRANE DETAILS AND NOTES
VC-5	NO SHEET
VC-6	VENT PIPE AND RISER DETAILS
VC-7.1	SPECIFICATIONS
VC-7.2	SPECIFICATIONS CONTINUED
VC-7.3	SPECIFICATIONS CONTINUED
VC-8.1	UTILITY CONDUIT SEALS
VC-8.2	TRENCH DAM DETAILS AND NOTES
VC-9	SUBSLAB MONITORING PROBE DETAILS & NOTES
VC-10	ACTIVE SYSTEM/ FAN DETAILS

KEY MAP





SITE PLAN A — *

* RECEIVED FROM PHILO WILKE ON NOVEMBER 12, 2019

LEGEND

PROJECT SITE LOCATION

PERMIT / INSPECTION

THE PROFESSIONAL ENGINEER OF RECORD WILL BE RESPONSIBLE FOR DEPUTY TYPE INSPECTIONS AND CERTIFICATION OF SOIL VAPOR MITIGATION SYSTEM.

REV	DESCRIPTIONS	DATE
2	CLIENT REVIEW	11/14/19
1	CLIENT REVIEW	12/17/19

NOTE:
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Soil Vapor Control System for Federal Way Free Standing Emergency Center
29805 Pacific Highway South, Federal Way, WA 98003

GAS MITIGATION TITLE SHEET/
SITE PLAN & GENERAL NOTES

JOHN E. SEPICH
STATE OF WASHINGTON
55910
REGISTERED
PROFESSIONAL ENGINEER

RELEASED FOR PLAN CHECK

BROWNFIELD SUBSLAB
SOIL VAPOR MANAGEMENT FOR HABITATION
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JESepich@gmail.com
(213) 500-0425

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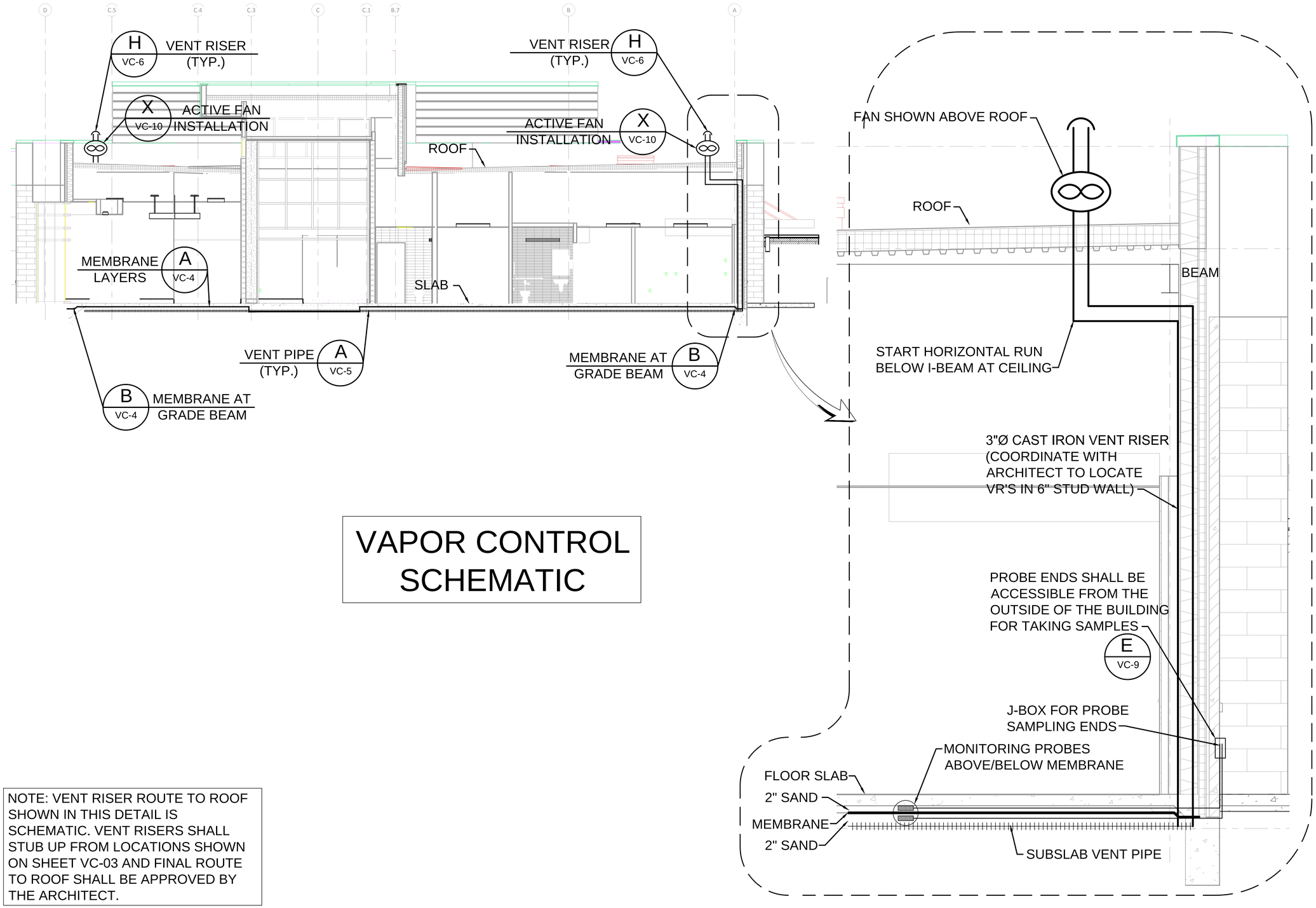
DATE:	Nov. 14, 2019
CHECKED:	JES
CONTRACT NO.	
JOB NO.	J445

SHEET NO.
VC-1

SHEET 1 OF 12



VAPOR CONTROL SCHEMATIC

NOTE: VENT RISER ROUTE TO ROOF SHOWN IN THIS DETAIL IS SCHEMATIC. VENT RISERS SHALL STUB UP FROM LOCATIONS SHOWN ON SHEET VC-03 AND FINAL ROUTE TO ROOF SHALL BE APPROVED BY THE ARCHITECT.

NOT TO SCALE

SECTION X–X (SEE SHEET VC–3)

REV	DESCRIPTIONS	DATE
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1	CLIENT REVIEW	12/17/19

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Soil Vapor Control System for Federal Way Free Standing Emergency Center
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DESIGN CONCEPT SECTION

JOHN E. SEPICH
STATE OF WASHINGTON
55910
REGISTERED
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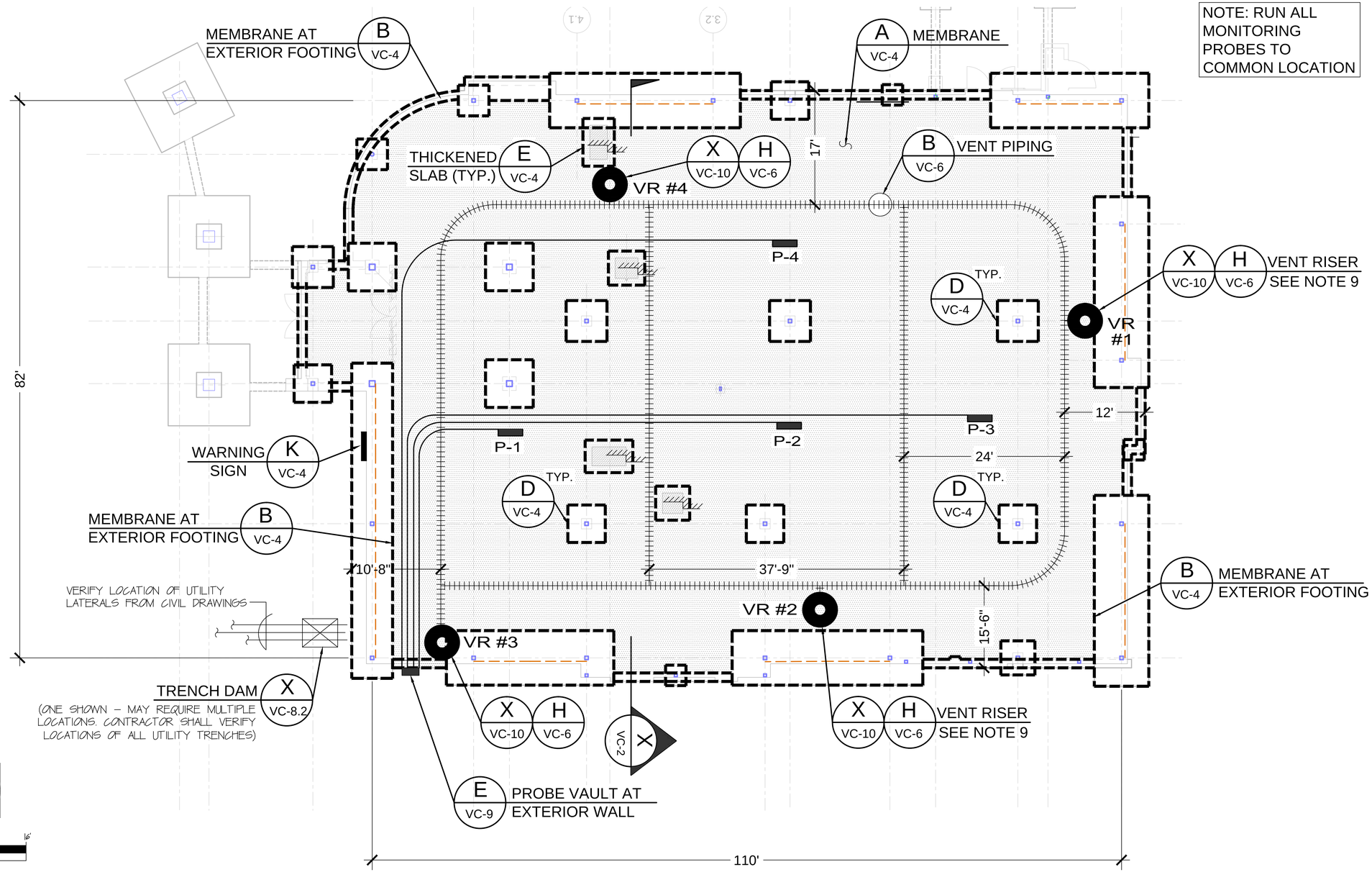
CONTRACT NO.	
JOB NO.	JA45

SHEET NO.
VC-2
SHEET 2 OF 12

PRINT FULL SIZE 22X34



LEGEND

- MEMBRANE PROTECTION LAYER — A / VC-4
- FOOTING AND GRADE BEAM
- VR #1 — VENT RISER
- P-1 — SUBSLAB MONITORING PROBE
- SUBSLAB VENT PIPE

SUB-SLAB VENTING AND MEMBRANE PLAN B

NOTES:

1. THESE PLANS SHOW PLACEMENT OF MEMBRANE DESIGNED TO MITIGATE SOIL VAPOR INTRUSION BY PASSIVE METHODS AS SHOWN ON PLAN.

2. ALL FIELD ACTIVITIES TO BE "SPECIAL INSPECTED" UNDER THE SUPERVISION OF AN APPROPRIATELY REGISTERED PROFESSIONAL ENGINEER WHO SHALL BE RESPONSIBLE FOR CERTIFYING THE WORK AT COMPLETION.

3. VENT RISERS MAY BE RELOCATED TO SUIT FIELD CONDITIONS. CONTRACTOR TO SUBMIT RELOCATION REQUEST TO OWNER AND ENGINEER/ SPECIAL INSPECTOR PRIOR TO ANY RELOCATION FOR "WRITTEN SHOP DRAWING APPROVAL".

4. COLUMN FOOTINGS SHOWN ON THIS PLAN ARE DIAGRAMMATIC AND MAY NOT REFLECT ACTUAL FOUNDATION, DIMENSIONS, SEE STRUCTURAL DRAWINGS.

5. ANY PIPE PENETRATION H VC-4 BOOT

6. IF WHERE REQUIRED H VC-4 REBAR PENETRATION. SIMILAR

7. ALL VENT RISERS TO BE PLACED WITHIN FURRED OR STUD WALLS, SEE-ARCHITECTURAL PLANS.

8. WARNING SIGNS TO BE LOCATED PER ARCHITECT AND VAPOR CONTROL SPECIAL INSPECTOR SEE EXACT LANGUAGE ON DETAIL K VC-4

9. NOTE: ARCHITECT SHALL REVIEW AND COORDINATE THE LOCATIONS OF VENT RISERS SHOWN ON THE PLAN TO INSURE THAT THE PIPE LOCATIONS DO NOT CONFLICT WITH ARCHITECTURAL ELEMENTS. THE NUMBER OF VENT RISERS SHALL BE AS SHOWN, BUT THE VENT RISER LOCATIONS MAY BE ADJUSTED.

PRINT FULL SIZE 22" x 34"

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29805 Pacific Highway South, Federal Way, WA 98003

SUBSLAB MEMBRANE AND VENTING PLAN

JOHN R. SEPICH STATE OF WASHINGTON 55910 REGISTERED PROFESSIONAL ENGINEER

RELEASED FOR PLAN CHECK

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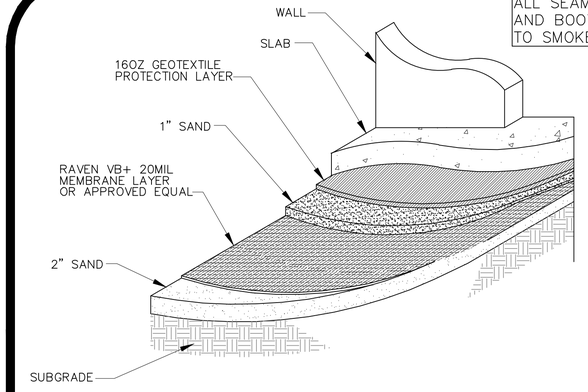
JOB NO.	JA45

SHEET NO.
VC-3

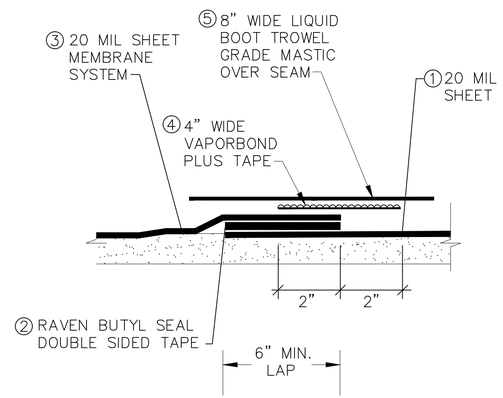


ALL SEAMS, EDGES AND BOOTS SUBJECT TO SMOKE TESTING

NOTE:
CONTRACTOR SHALL SUBMIT CATALOG CUTS AND/OR SAMPLES OF ALL PROPOSED MATERIALS FOR APPROVAL.

NOT TO SCALE

VAPOR BARRIER LAYERING — A



TAPE AND MASTIC SEAMS

*NOTE: VOC COMPLIANT MASTIC MATERIAL INCLUDES SIKA, LIQUID BOOT TROWEL GRADE, STEGO MASTIC, OR APPROVED EQUAL. CONTRACTOR MUST GET APPROVAL OF ALL MATERIALS FROM THE SOIL VAPOR ENGINEER

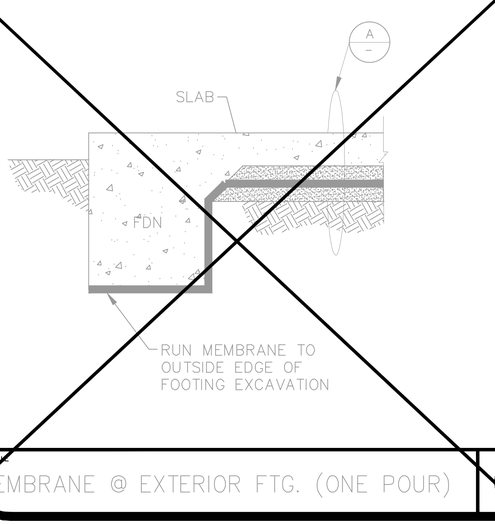
SUBMIT PROPOSED MASTIC MATERIAL TO SOIL VAPOR ENGINEER FOR APPROVAL PRIOR TO FIELD WORK.

NOT TO SCALE

TAPE & MASTIC JOINT — F

NOT TO SCALE

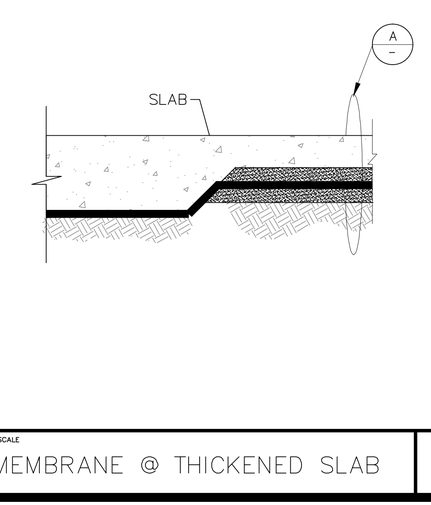
NO DETAIL — G



ALL SEAMS, EDGES AND BOOTS SUBJECT TO SMOKE TESTING

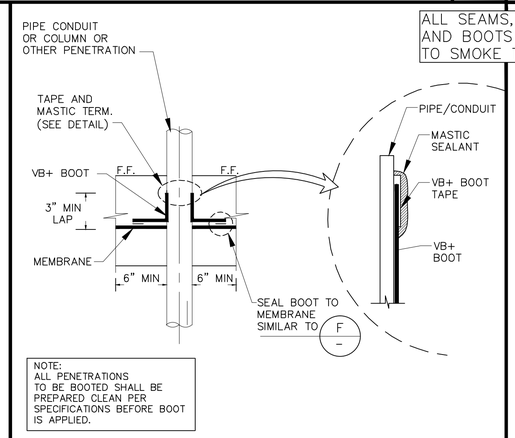
NOT TO SCALE

MEMBRANE @ EXTERIOR FTG. (TWO POUR) — B



NOT TO SCALE

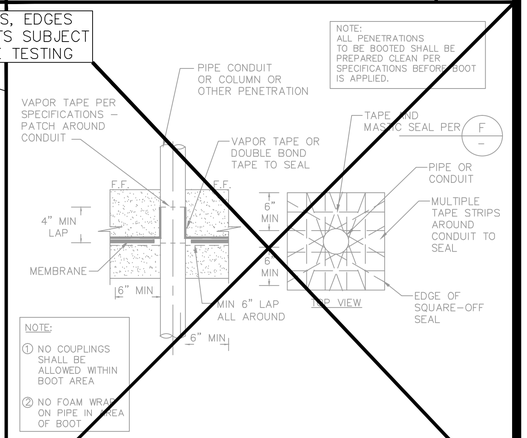
MEMBRANE @ INTERIOR FOOTING — D



NOTE:
ALL PENETRATIONS TO BE BOOTED SHALL BE PREPARED CLEAN PER SPECIFICATIONS BEFORE BOOT IS APPLIED.

NOT TO SCALE

BOOT OPTION 1: MASTIC — H



ALL SEAMS, EDGES AND BOOTS SUBJECT TO SMOKE TESTING

NOTE:
ALL PENETRATIONS TO BE BOOTED SHALL BE PREPARED CLEAN PER SPECIFICATIONS BEFORE BOOT IS APPLIED.

NOTE:
① NO COUPLINGS SHALL BE ALLOWED WITHIN BOOT AREA
② NO FOAM WRAP ON PIPE IN AREA OF BOOT

NOT TO SCALE

BOOT OPTION 2: TAPE — J

NOT TO SCALE

MEMBRANE @ EXTERIOR FTG. (ONE POUR) — C

NOT TO SCALE

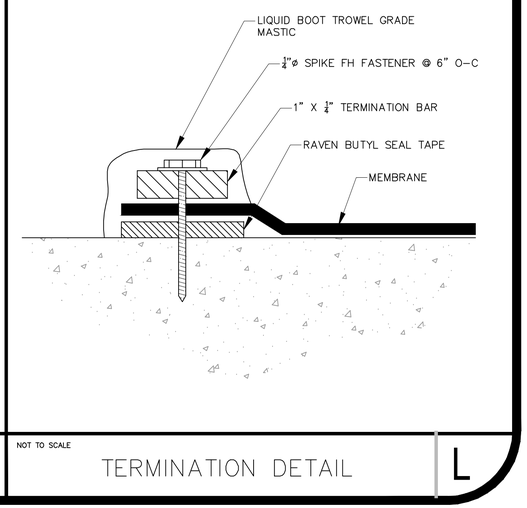
MEMBRANE @ THICKENED SLAB — E

MIN. SIGN SIZE 8"X10"

ONE REQUIRED PER BUILDING
LOCATE SIGNS PER OWNER AND PROJECT ENVIRONMENTAL PROFESSIONAL

NOT TO SCALE

WARNING SIGN — K



NOT TO SCALE

TERMINATION DETAIL — L

PRINT FULL SIZE 22X34

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29805 Pacific Highway South, Federal Way, WA 98003

MEMBRANE DETAILS AND NOTES

JOHN E. SEPICH — STATE OF WASHINGTON — 55910 — REGISTERED PROFESSIONAL ENGINEER

RELEASED FOR PLAN CHECK

BROWNFIELD SUBSLAB

SOIL VAPOR MANAGEMENT FOR HABITATION

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DATE:	Nov. 14, 2019
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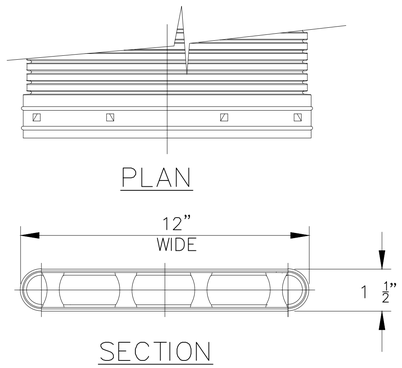
CONTRACT NO.	
JOB NO.	JA45

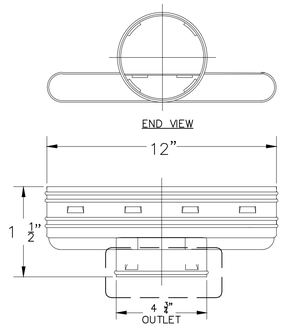
SHEET NO.
VC-4
SHEET 4 OF 12



NOT TO SCALE

VENT PIPE

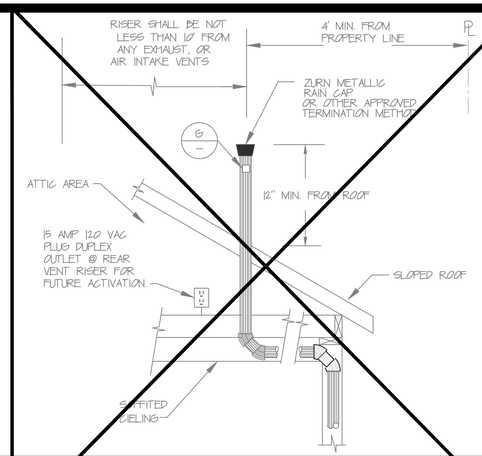
A



NOT TO SCALE

TRANSITION FITTING

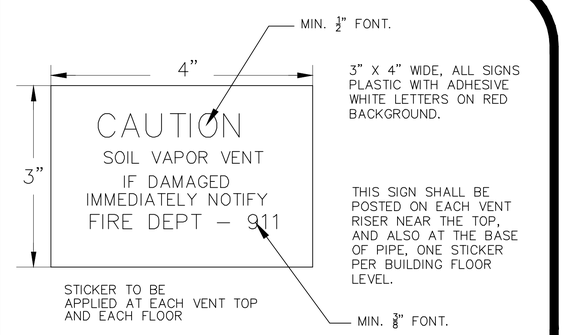
D



NOT TO SCALE

VENT RISER @ SLOPED ROOF

F

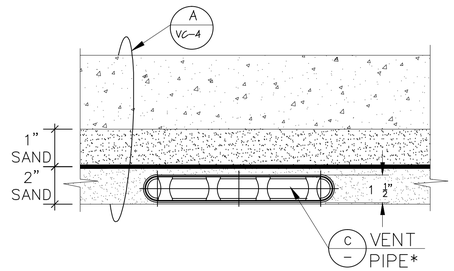


NOT TO SCALE

VENT RISER STICKER

G

VENTING PIPE WILL RESIDE IN SAND LAYER BELOW THE MEMBRANE



* USE PRE-WRAPPED SOCK VENT PIPE

NOT TO SCALE

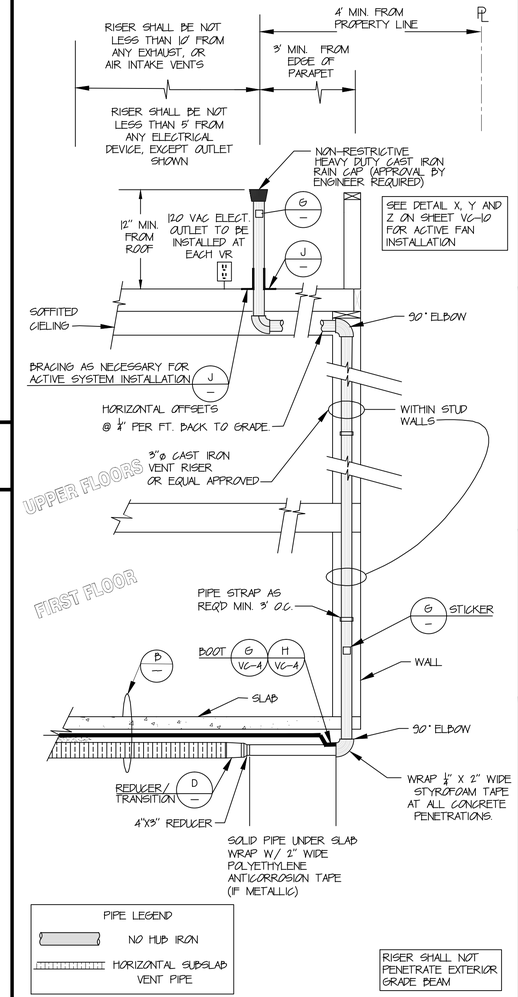
PIPE IN SAND LAYER

B

NOT TO SCALE

NO DETAIL

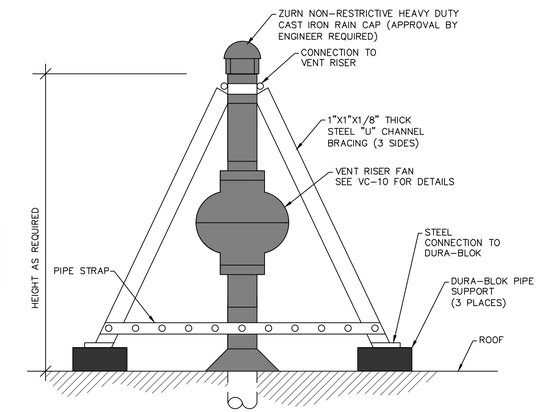
E



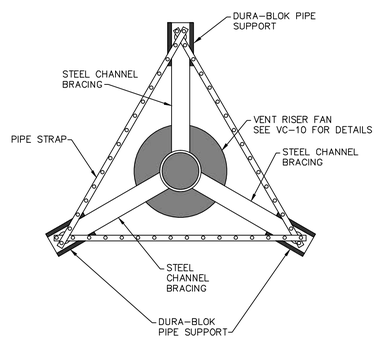
NOT TO SCALE

VENT RISER INSIDE WALL

H



ELEVATION



TOP VIEW

PARTS LIST FOR ORDERING:

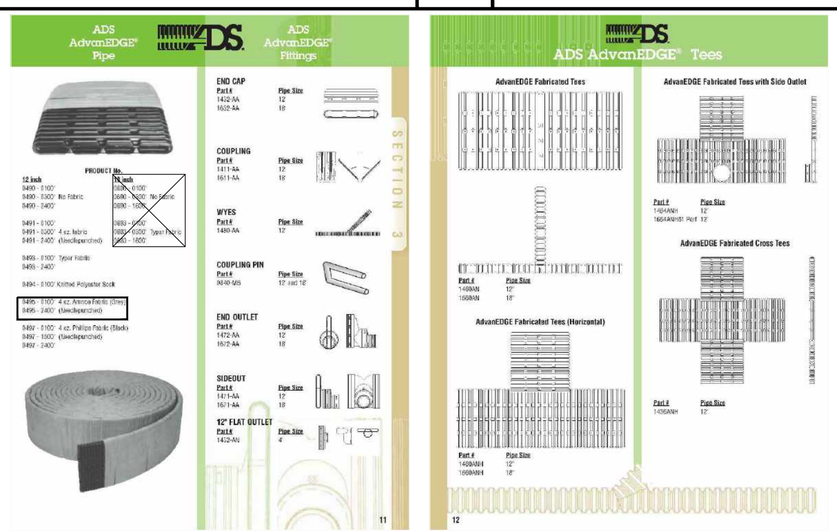
() 28 – UNISTRUT ADJUSTABLE HINGE 4 HOLE, 4" LONG X 1-5/8" WIDE
() 12 – UNISTRUT ROOF TOP BLOCKS
() 30 – UNISTRUT CHANNEL NUTS
() 30 – 3/8" X 1-1/2" BOLTS FOR CHANNEL NUTS
() 8 – 4" HOSE CLAMPS

NOT TO SCALE

VENT RISER BRACING

J

PRINT FULL SIZE 22" x 34"



NOT TO SCALE

VENT PIPE CATALOG CUT SHEETS

C

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29805 Pacific Highway South, Federal Way, WA 98003

VENT PIPE AND RISER DETAILS

JOHN E. SEPICH
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CONTRACT NO.	
JOB NO.	J445

SHEET NO.
VC-6

SHEET 5 OF 12

SPECIFICATIONS FOR SOIL VAPOR CONTROL

I. PURPOSE AND INTRODUCTION: The plan details and these specifications are for a soil vapor mitigation system.

A. The Project. The project includes new slab-on-grade building construction, as shown on the project drawings. Subslab soil vapor mitigation is to be provided.

B. Personnel. The work is to be designed by **Soil Vapor Engineer**, who shall be an **Environmental Professional** (a registered professional engineer or geologist in the state where the project is located). The work is to be installed by a general contractor (**Contractor**) and soil vapor and other subcontractors (**Subcontractors**). The soil vapor control work is to be inspected by a deputy-type inspector (**Special Inspector**) under the supervision of **Environmental Professional**.

C. Changes. All notices, approvals, change orders, communications, etc. regarding clarification of or revisions to the soil vapor mitigation details and specifications must be in writing to the Special Inspector and the Soil Vapor Engineer.

C. Work in this section. Principal items of the soil vapor mitigation system may include:

1. Passive Venting. Vent piping system under new slab and passive vent risers to the roof of the building.

2. Membrane. Vapor barrier capable of providing protection from the following in the soil beneath the buildings:

- Volatile Organic Compounds (VOCs)

3. Pathway Plugging. Conduit seals and trench dams shall be provided per the plans, details and specifications.

4. Active Venting. Fans shall be installed on vent risers as shown on the plans and details, including power, valves, monitoring ports, gages, lights, switches, signage and other miscellaneous appurtenances to enable active system operation.

5. Monitoring Probes. Tubing including ends, valves and j-boxes shall be installed to locations underneath and/or above the barrier membrane, and/or to locations inside of any residential unit, each tubing capable of accommodating sample draw for field or laboratory analyses.

D. Related work not in this section.

1. Excavation and backfilling;
2. Concrete and/or masonry to receive vapor barrier membrane;
3. Mortar beds or concrete toppings over vapor barrier membranes;
4. Separate waterproofing;
5. Separate damp-proofing;
6. Flashing and sheet metal;

II. CODES.

A. Environmental Authority: Soil vapor mitigation as described in these specifications and details is intended to meet or exceed the requirements of the USEPA and any more stringent State or Local codes.

B. State Authority: The design shall adhere to any State EPA or other State agency requirements which are different from or more stringent than requirements than the USEPA.

C. Local Authority: The design shall be made available to the Local Building and/or Fire authorities for their review and permitting if required.

D. Soil Vapor Engineer: The soil vapor Engineer firm for the project is Brownfield Subslab, contact John Sepich, <jesepich@gmail.com>.

E. Environmental Professional and Special Inspection: Environmental Professional and Special Inspection duties for the project are provided by Brownfield Subslab, contact John Sepich, <jesepich@gmail.com>.

F. Owner: The project owner is****

G. Job Super: The project superintendent is **

III. CONFINED SPACE ENTRY: Where an employee must enter an environment in which the atmosphere may be immediately hazardous to life or health, Contractor shall insure that air monitoring equipment and/or ventilation is first used according to OSHA guidelines for confined space entry to ensure safety against combustible vapors, low oxygen, high carbon dioxide, and high carbon monoxide, hydrogen sulfide and/or other toxic vapors.

IV. INSPECTIONS AND CERTIFICATION: Inspection of all gas mitigation measures shall be performed by a Special Inspector under the supervision of an Environmental Professional. The Job Super, or with his permission the Contractor and/or the Soil Vapor Subcontractor shall notify the Special Inspector not less than two days prior to the installation of the items to be inspected, so that inspections may be scheduled and performed in a timely manner.

A set of approved soil vapor drawings and specifications shall be kept at the jobsite. Any changes or deviations from the original design shall be notated in red on this field set of drawings. As-built drawings shall be prepared from this field mark-up set which is to be kept at the job site through all phases of work, and updated daily or at any time that field changes are made, by the Job Super and/or the Special Inspector.

As-Built'' certification of the installation of the Gas Mitigation measures shown in the project soil vapor mitigation drawings, details and specifications shall be provided by an Environmental Professional and/or the Soil Vapor Engineer at the completion of construction. In order to properly document the inspection process, a statement shall be provided to the Owner by an Environmental Professional in a format similar to the following:

"The soil vapor mitigation systems installed within this project have been constructed in general accordance with the approved plans, details and specifications. As-Built plans, details and specifications are included with this statement."

Any required soil vapor or air testing or survey shall be completed under the direction of an Environmental Professional using approved sample grabbing and laboratory analytical techniques. Copies of any test results should be included with the certification statement. The certification and the as-built plans, details and specifications, shall be signed and sealed by an Environmental Professional.

V. SUB-SLAB VENT SYSTEM. A sub-slab venting system shall be installed beneath slabs-on-grade in the locations shown on the plans and details. This venting system shall incorporate the following primary components:

1. Granular material (sand and/or rock or gravel) below and , where specified, above the membrane system -- see details and specifications to determine granular material thickness and type.

2. Horizontal Collection System - perforated piping and/or geovent conduit lines in the granular layer -- see details/specifications for conduit line dimensions and type.

3. Non-perforated vent riser piping that extends from the subslab perforated vent piping to outlets located above the roofline of the building - see details to determine pipe diameter and type;

4. Various geo-materials, as called for on these details and specifications.

5. Signage as called for on these details and specifications.

* Note: Membrane, monitoring probes and other mitigation system elements are described elsewhere in the plans, details, and these specifications.

A. Gravel. When gravel is specified, the Gravel shall consist of washed particles with no more than one fractured face. The gradation of the gravel shall conform to the following specification:

SPECIFICATIONS FOR GRAVEL	
SIEVE SIZE	**PERCENTAGE PASSING SIEVE**
	3/4" Gravel
1-1/2" (37.5 mm)	100
1" (25.0 mm)	100
3/4" (19.0 mm)	55-85
3/8" (9.5 mm)	8-20
No. 4 (4.75 mm)	0-5
No. 8 (2.36 mm)	0-5
No. 200 (75 um)	0-2
ASTM C131 TEST GRADING	B

B. Sand. When sand is specified, it must have adequate permeability to transmit soil gases to vent lines. The sand shall consist of washed sand or an approved similar material. The gradation of the sand shall conform to the following specification:

SPECIFICATIONS FOR SAND	
SIEVE SIZE	**PERCENTAGE PASSING SIEVE**
3/8" (9.5mm)	100
No. 4 (4.75mm)	90-100
No. 8 (2.36mm)	75-90
No. 16 (1.18mm)	55-75
No. 30 (600um)	30-50
No. 50 (300um)	10-25
No. 100 (150um)	2-10
No. 150 (75um)	0-5

C. Sub-Slab Vent Lines.
1. When perforated subslab vent piping is specified, round piping shall normally consist of *minimum* 3" diameter or larger pipe, of rigid plastic, corrugated polyethylene, or other pipe materials or diameters as called for on these details and in these specifications.
2. Flat piping shall normally consist of 12" wide or other width ADS AdvanEDGE (tradename or equal) perforated corrugated polyethylene flat pipe, or other pipe materials or shapes as called for on these details and specifications.
3. Flat "geoventing" material, when specified shall consist of a minimum 12" shaped polyethylene interior wrapped in a non-woven geotextile.
4. Subslab rock-pit vents are sometimes called for on the plans in lieu of subslab vent lines, particularly for radon mitigation.
5. Equivalent products can only be utilized if approved in advance in writing by the Soil Vapor Engineer based upon a written submittal and catalog cuts of the proposed alternate material.

D. Positioning of Subslab Vent Lines.

1. In gravel layers. When in a sand or gravel blanket, the sub-slab vent line shall be positioned such that its elevation is near the center of the sand or gravel thickness.

2. Through footings. Where subslab vent lines must pass through building grade beams or other footings, the penetration shall be accomplished in compliance with the local building codes and with the approval of the project foundation engineer and per local practice.

3. Excavation Safety. Any trenching, excavation, or other work below grade is subject to radon, methane, voc, hydrogen sulfide or other soil vapor infiltration which could create a potential hazard to personnel. Special safety precautions as required by OSHA and any other regulatory agencies are to be implemented during this work. Special precautions may include the use of electronic gas detection monitors and alarms, and/or fans, and/or other recommendations of the Contractor, who shall be responsible for worker safety.

E. Vent Risers. Perforated subslab lines shall be connected to solid vertical soil vapor vent pipe risers.

1. Vent Riser Diameters. Vent risers pipes shall be 3-inches in diameter, or such other diameter as called out on the details and specifications,

2. Vent Riser Materials. Vent risers shall be constructed of materials that comply with Local codes for sanitary vent risers, or of such other materials as may be called out on these details and specifications and/or approved by the Soil Vapor Engineer. Unless otherwise specified or required by code, threaded steel or no-hub iron pipe shall be used for commercial and industrial construction, and for multi-family residential construction which is over four stories in height including basement and/or subterranean parking levels. Plastic pipe (pvc or abs) shall be allowed in residential construction two stories or less in height.

3. Vent Riser Joints. All joints shall be tightly sealed using approved materials and techniques, compatible with pipe type.

4. Vent Riser Routing. Soil vapor Vent Risers may be located within stud walls or chaises. Bollards or bumper cages shall be used to protect brittle material vent riser piping (plastic or iron) in any exposed locations. Steel vent riser piping does not require impact protection even if exposed.

5. Vent Riser Terminations. For parapet (flat) roofs vent riser pipes shall generally terminate a minimum of 3 feet above the roof. For sloped roofs, vent riser pipes shall generally terminate one foot above the roofline at the point of penetration. Vent risers shall terminate 10 feet from any air intake into the building, including doors, windows, and HVAC intakes; and shall terminate a minimum of ten feet above grade. Vent risers shall also terminate at least three feet horizontally away from adjacent property lines, except for public rights-of-way, where vent risers may be at the property line if a minimum of ten feet above grade.

6. Vent Riser Spacing. The spacing and diameter of the sub-slab vent lines, and the number and diameter of soil vapor vent risers, shall be as shown on the soil vapor plans and details, and shall be in conformance with any State or Local requirements. In general the vent risers shall provide redundancy such that venting will still occur across the subslab after the malfunction of a single vent riser.

7. *Vent Riser Maximum Length. The maximum length (vertical plus horizontal run) of* the above grade soil vapor vent risers, including vertical and horizontal runs, generally shall not exceed 100 feet. Where vent riser runs must exceed 100 feet, the vent risers shall be increased one pipe size per each additional 100 feet of run or fraction thereof (i.e. two to three, three to four, and four to six inches in diameter for increases).

8. Vent Riser UV Protection. Soil vapor Vent Risers shall be of UV (ultraviolet) resistant material when exposed to sunlight on the roof; or shall be coated/painted with UV resistant materials where exposed, or else the final sections which are above the roof shall be steel or iron. Steel and iron are considered UV resistant without any coating.

9. Vent Riser Rain Caps. Each vent riser pipe termination shall be provided with a Zurn-192 or other engineer-approved rain cap. Note: Where combustible vapors exceeding the explosive limit are anticipated, the vent riser shall be provided with a spark arrestor at the outlet, model approved by the Environmental Professional.

10. Vent Riser Signage. Signage for vent risers for VOC mitigation systems shall contain warning language as appropriate, and as called out on these details and specifications. Signs shall be pre-printed and self adhesive except that with the approval of the Special Inspector, signage may be applied to piping with indelible markers. Field inspection forms and field set of drawings shall reflect this method of working for as-built purposes.

VI. VAPOR BARRIER MEMBRANES

A. General Notes

- Contractor Qualifications: All membrane installation shall be performed by a qualified contractor with extensive experience in the installation of the specified membrane. When required by the manufacturer, the gas vapor barrier installer must be manufacturer approved applicator of the membrane.
- Warranty: A membrane warranty shall be provided by the manufacturer.
  The membrane warrantee shall always include one year on installation, and one year on materials. Longer warrantee periods may be requested by the owner. Warrantees longer than the standard one-year warrantee may come at cost.
- Submittals/Submission of Samples: Contractor / Subcontractors shall submit representative physical samples and manufacturer specifications of the following to the office of the Soil Vapor Engineer for written approval at least two weeks prior to the construction of any related work.

  Gas vapor barrier material;
  Mastics, adhesives, and sealants (must be VOC compliant, submit MSDS);
  Tape, when specified, must be VOC compliant, submit MSDS;
  Any gas vapor barrier carrier or cap sheets;
  Gravel backfill; sieve analysis
  Sand backfill; sieve analysis
  Prefabricated drainage mat;
  All geotextiles;
  Perforated vent piping;
  Vent riser piping specification

  Each sample must have manufacturer name, address, telephone, website, email and telephone of technical support and the same information for a manufacturer local representative if applicable. Physical samples of rock and/or gravel need not be submitted. Instead the submittal shall include a sieve analysis of each material. Physical samples of vent riser solid piping need not be submitted. Catalog cuts are acceptable.

- Permits: The work shall comply with all Federal, State, and Local safety, building, and environmental requirements. All necessary permits from regulatory agencies must be obtained prior to start of any construction work.
- Special Inspection The installation of the gas membrane shall be closely monitored by a Special Inspector. Any damage done to the vapor barrier or other components of the mitigation system after the system has initially passed Special Inspection must be repaired, and retested with additional Special Inspection.
- Other Observation: The manufacturer's representative and representatives of State and Local Authorities shall be allowed to also inspect and monitor the work during normal business hours. The Special Inspections shall be performed prior to, during, and subsequent to the application of the product. Inspections shall follow requirements set forth in these specifications as well as any applicable State or Local requirements.

PRINT FULL SIZE 22" x 34"

REV	DESCRIPTIONS	DATE
2	CLIENT REVIEW	11/14/19
1	CLIENT REVIEW	12/17/19

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Soil Vapor Control System for Federal Way Free Standing Emergency Center
29805 Pacific Highway South, Federal Way, WA 98003

SPECIFICATIONS

JOHN E. SEPICH
STATE OF WASHINGTON
55910
REGISTERED
PROFESSIONAL ENGINEER

RELEASED FOR PLAN CHECK

BROWNFIELD SUBSLAB

SOIL VAPOR MANAGEMENT FOR HABITATION

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DRAWN BY:	JAH
DATE:	Nov. 14, 2019
CHECKED:	JES
CONTRACT NO.	
JOB NO.	JA45

SHEET NO.
VC-7.1

B. Pre-Installation Conference: A pre-installation conference shall be held prior to the application of the gas barrier membrane to assure proper substrate and installation conditions and procedures. The membrane Subcontractor, site superintendent, the foundation Subcontractor, and the Soil Vapor Engineer or the designated Special Inspector should be present at this meeting. Where there are multiple buildings at a site, the conference can be held at the beginning of the project and not for each separate building.The following items shall be discussed:

- Contractor shall rough grade pad to accommodate the membrane sandwich including any granular or geo-layers above and/or below the membrane.
- Inspection and Approval: All surfaces to receive gas membrane shall be Special Inspected and approved in writing the Special Inspector at least one day prior to commencing work on the membrane itself.
- Membrane. The soil vapor barrier membrane at this project shall be constructed using membrane as specified by the Soil Vapor Engineer on the project plans, details and specifications, and acceptable for this use by the State and Local Authorities; and shall be installed per the manufacturer's guidelines, and the project plans, details and specifications.
- Concrete/Shotcrete/Masonry: Where soil vapor barrier membrane terminates (lands) on concrete surfaces, the concrete must have a smooth trowel or light broom finish, to the satisfaction of the Special Inspector, free of any dirt, debris, loose material, release agents or curing compounds. Fill all voids more than 1/4 inch deep and 1/4 inch wide. Masonry joints, cold joints, and form joints shall be struck smooth. All penetrations of the membrane shall be repaired in accordance with manufacturer's specifications.
- Transitions. At all horizontal to vertical transitions and other inside corners of 120° or les provide a ¾-inch minimum cant of material approved by manufacturer or the Soil Vapor Engineer and Special Inspector. Transitions are common areas where membrane will fail smoke test when cant strips are not used.
- Dirt & Gravel: The sub-grade shall be moisture conditioned and compacted as specified by the civil / geotechnical engineer. The finished surface shall be smooth, uniform, and free of debris and standing water. All stones, cobbles or clods greater than 1/4 inch, and other foreign matter shall be completely removed.. (NOTE: Aggregate sub-bases shall be rolled flat, free from any protruding sharp edges). Trenches shall be cut oversize to accommodate gas vapor barrier membrane and protection course with perpendicular or sloped sides and maximum obtainable compaction. Adjoining grade shall be finish graded and compacted.
- Penetrations: All plumbing, electrical, mechanical and structural items that are located beneath, or that pass through, the gas vapor barrier shall be positively secured in their proper positions and appropriately protected to application of the membrane.
- Production Schedules: Where applicable, daily production schedules shall be limited to only that which can be made vapor-tight at the end of the day or prior to inclement weather, including all flashing and right seals.
- Membrane Placement-General. The soil vapor barrier membrane is to be placed between the bottom of the floor slab and normally above any grade beams and pile caps. The membrane shall be placed around and/or underneath trenches, sumps, elevator pits, and other substructures; and fastened to footings and/or substructures in accordance with the plans, specifications and details. The membrane shall be placed ideally within two inches but not more than six inches below the bottom of the floor slab except where the barrier shall pass beneath deepened interior or perimeter footings.
- Membrane at Thermal Insulation. The gas barrier membrane shall be placed outside of thermal insulation lining any vertical footings, and above any thermal insulation below slabs.
- Membrane beneath Reinforcing Steel: The gas vapor barrier shall be installed before placement of reinforcing steel.
- Joint Substrate. All field joints shall be prepared over a smooth and hard surface. The preparation of surfaces may be the responsibility of contractors other than the membrane contractor (i.e. the grading or concrete Subcontractors must insure smooth surfaces for the membrane contractor, and this will require advance coordination).
- Joints and Seams: All membrane field joints shall be overlapped and sealed a minimum of six inches, or such greater dimension as called for on the project plans and details. Unless shown otherwise, contact surface between membrane and any other surface shall not be less than four inches, or such greater dimension as called for on the project plans and details. Unless shown or noted otherwise, methods of membrane installation, including jointing, seaming, and all other physical connections, shall be in accordance with the membrane manufacturer's recommendations. Seams and joints may be taped, mastic, sprayed, welded, or battened as called for on the plans and details.
- Booting Penetrations. Where piping, electrical conduits, rebar, utilities, or any other objects penetrate the membrane, a boot shall be provided (similar to a roof jack - see plans and details). Any clamps, bands, clips and metals used must be corrosion proof / protected against corrosion.
- Repairs. Any damage done to the vapor barrier or other components of the mitigation system after the system has initially passed Special Inspection must be repaired, and retested with additional Special Inspection. The following precautions will help minimize the need for repairs.
  - Foot Traffic. Lay out work to minimize traffic over installed areas. Membrane may be slippery when wet or covered with frost, snow or ice. Take proper precautions and heed all manufacturer's warnings in regard to product use. Workmen and all others that walk directly on membrane should wear clean, soft-soled shoes so as not to damage materials.
  - Plumbers shall insure that all subslab piping groundwork and drains are in place prior to placing vapor barrier, to avoid cutting vapor barrier membrane.
  - Electricians shall insure that all subslab buried conduit is in place prior to placing vapor barrier, to avoid cutting vapor barrier membrane.
  - Concrete workers shall avoid chipping concrete from above directly onto installed vapor barrier below;
  - Welders shall avoid burning vapor barrier by placing a heat resistant protective cover over vapor barrier material whenever torches are being used.
- Smoke Test. Prior to construction of the floor slab over the membrane, the Special Inspector shall inspect, smoke test and approve the Gas Membrane in accordance with these details and specifications.
- Contractor and all Subcontractors shall insure that no damage is done to vapor barrier membrane subsequent to initial installation, including puncturing with tools or otherwise, or placing or storing material over the vapor barrier, or driving equipment over the vapor barrier without adequate protection to the satisfaction of the Special Inspector and the Soil Vapor Engineer.
- Grading, concrete or other subcontractors shall avoid burying or damaging vapor barrier loose ends that need to be attached-to later on.
- Protection Course. Where sand is chosen as a protection course over the soil vapor barrier membrane, small (3/4" diameter or smaller) conduits may be carefully laid above the vapor barrier membrane in the sand protection course, with Special Inspector and Soil Vapor Engineer approval.
- Repairs: All necessary repairs to the membrane shall be patched with the lining material itself, lap-jointed as specified herein.
- Construction of the floor slab shall not proceed without written certification of the successful leak testing of the gas barrier membrane system by the Special Inspector, on a prepared field form.
- All plumbing ground work shall be installed before the membrane to avoid cutting the membrane after inspection.
- Vent risers are to run up inside stud walls. Locations shall be precisely marked for vent riser stub ups to avoid having to relocate after slab is poured and wall chalk lines are snapped.
- Membrane System Letter to Owner: At the completion of each installation, the soil vapor control system Subcontractor shall submit a letter his letterhead to the Owner certifying that installation was completed in accordance with the project details and specifications as well as the procedures recommended by the manufacturer. A separate letter shall be provided for each individual phase of installation, certifying membrane prior to pouring of slab over membrane. Each letter shall reference the building or work area to which it applies and indicate the dates on which the installation was started, completed and inspected, with inspection records.
- Before pouring slab: Concrete subcontractors shall not pour over vapor barrier without specific written approval (release) of the barrier by the Special Inspector, for the area to be poured. stating: "OK TO POUR" for that section of slab.
- Form Stakes. It is acceptable to utilize "vapor stakes" which stay in place if they are at a low enough elevation below the slab to not conflict with or exceed finish floor elevations; or else utilize the rebar penetration repair details shown on these details and specifications.
- Rebar Placement Precautions. Concrete subcontractors shall exercise caution in placing rebar in vapor barrier areas. Rebar chairs shall never be placed directly upon vapor barrier. Use scraps of membrane or other protection courses under rebar chairs.
- Rebar Trimming Precautions. Special precaution shall be taken during any rebar sawing/trimming operation so as not to cut through the completed protection course and membrane.
- Signage: A warning sign shall be installed in a prominent location within the building. The sign shall include such information as follows: "Warning: A membrane is installed beneath the building floor slab to prevent soil vapor gas intrusion from the soil. Any proposed penetration or alteration of the floor slab will require supervision by a Registered Professional Engineer. It is illegal to remove this sign." The word "Warning" shall be in white letters, a minimum of 3/4 inch high, with the remainder 3/8 inch high and placed on red background; or other color scheme as approved by the project Soil Vapor Engineer.
- Future Work / Future Tenant Improvements: Any future work that will result in penetration of the membrane will require notification of and possibly a permit from the Building Authority, and special "deputy type" inspection and Environmental Professional's certification prior to final approval of the work and subsequent occupancy of the space.

VII. SPRAY-ON MEMBRANE. Not all projects will utilize spray-on membrane. Projects with sheet membrane may sometimes utilize spray materials to construct seams and to fasten sheet material to concrete foundations, weather permitting (spray material may not be applied in low temperatures). Manufacturers of spray-material may have extensive written instructions and details, which shall be followed in addition to the notes below.

1. Surrounding Areas: The areas adjacent to the spray gas barriers or spray seam construction are to be protected by the applicator Subcontractor during the installation process. Where necessary, masking or other protective measures shall be utilized to prevent staining of surfaces beyond the limits of the application.

2. Weather Conditions: Work is to be performed only when existing and forecasted weather conditions are within the manufacturer's recommendations for the material and product used. Tents may be used to allow work in cold or wet weather - see manufacturer's conditions.

3. Surface Preparation. Provide 24-inch minimum clearance out from surfaces to receive any spray-on gas vapor barrier. The application surface shall be prepared and provided to the applicator in accordance with manufacturer's specifications.

4. When spray applied membrane is applied directly to concrete or masonry, use Hardcast reinforcing tape to span over all cold joints, cracks and form tie holes (after holes and cracks are grouted) prior to spraying on the membrane material.

VIII. SHEET MEMBRANE

A. General. The Work of this Section includes all labor, materials, equipment, and services necessary to complete the soil vapor barrier as shown on the drawings and/or specified herein, including, but not necessarily limited to, the following: Visqueen, HDPE, EVOH, or other plastic sheet material as called out on the plans and details.

B. Installation.

1. Overview: Quality Assurance and Quality Control (QAQC) during installation of the membrane is essential. A defective membrane system may result in elevated vapor concentrations above the membrane and may not be effective in protecting the health and/or safety of the building and occupants.

2. Adhesives: Any adhesives or mastic sealants shall be as specified and shall be delivered in containers with indelible labels bearing the brand name and complete directions as to proper storage, use and application. All adhesives, mastic sealants and other such products shall be VOC compliant - i.e. they may not contain toxic organic compounds. Submit proposed mastic material to soil vapor engineer for approval prior to commencement of field work.

3. Alternative Seaming. Tape joint and/or mastic methods may be used if specified elsewhere herein and on the engineering drawings, per these details and the manufacturer's specifications. All materials must be VOC compliant (i.e. not contain toxic organics.)

4. Install Method: The Contractor shall install the membrane as per recommended methods of the membrane manufacturer. The membrane panel layout will be the responsibility of the Contractor's site manager in conjunction with the Special Inspector approval. Individual panels of membrane shall be overlapped with adjacent membrane sheets by a minimum of 6 inches or as specified on engineering drawings and sealed with approved joint system.

5. Placement: Generally place sheet membrane with the longest dimension parallel with the direction of the concrete pour. The sheets shall be of such lengths and widths as to be placed in such a manner as to minimize field seaming. Horizontal field seams on vertical or sloped panels shall be avoided. Only those sheets of lining material that can be anchored and sealed together that same day shall be unpackaged and placed in position.

6. Wind: In areas where wind is prevalent, lining installation should be started at the upwind side of the project and precede down-wind. The leading edge of the liner shall be secured at all times by battening, sandbags, rubber tires or other means sufficient to hold it down during high winds.

7. Lap: Lap sheet membrane over footings or seal to foundation wall or both. The most effective installation of the membrane includes placement on top of the footing and against the vertical foundation wall, i.e. across the cold joint between fastenings and walls.

8. Penetrations: All penetrations such as utilities and columns should be sealed and booted as per manufacturer's specifications.

9. Corner Forming: Install a minimum 12" strip of sheet membrane centered on the corner. Install membrane over the treated inside and outside corners.

10. The membrane installer shall be responsible for making allowances considered necessary to accommodate variations in temperature and weather conditions.

11. Provide a 3/4 inch minimum cant of membrane spray core material, or mastic, or other suitable cant material as approved by manufacturer or the soil vapor Engineer, at all horizontal to vertical transitions and other inside corners of 120° or less. Allow to cure overnight before the application of additional spray-on membrane material. All cracks or cold joints greater than 1/16 inch must be completely grouted with non-shrink grout as approved by engineer.

C. Rain / Excessive Humidity. No seaming shall be done in the rain, or when the material is wet or moist.

D. Field Thermal Welding of Flexible Membrane. -- no section -- follow manufacturer's recommendations.

E. Testing of Field Welds. -- no section -- follow manufacturer's recommendations.

F. Damage Repair. If sheet membrane gets damaged during or after installation, cut a piece of sheet membrane large enough to extend six inches beyond damaged areas on all sides. Secure with approved joint system. If available, use a roller to press the two surfaces together to seal patch. Weld material, follow manufacturer's recommendations.

IX. REGARDING WATERPROOFING / MOISTURE CONTROL:

These plans, details and specifications have been prepared specifically for control of VOC and/or radon and/or methane and/or other soil vapors, but not as a a rigorous waterproofing / moisture proofing system. The details of these plans, details and specifications should be reviewed by the architect and / or his waterproofing moisture-proofing expert prior to construction, and any additional measures deemed appropriate by the architect or the waterproofing expert should also be incorporated into the design.

X. PATHWAY PLUGGING:

A. Utility Trench Dams. Soil vapors may move from one area to another on the site, or onto the site from offsite, following utility trench granular backfill. In order to prevent this movement to the subslab area, a gas migration barrier in the form of a "dam" shall be installed in each utility trench that extends beneath the building foundation from areas outside the perimeter of the building.

1. Location of Trench Dam Barrier. The gas migration barrier shall be installed in the utility trench immediately adjacent to the exterior perimeter of the building foundation.
2. Requirements for Barrier. The gas migration barrier shall consist of one of the following:

- A minimum 2-foot continuous length sand slurry consisting of a mixture of 10% type-2 cement and 5% powdered bentonite by weight. The slurry shall extend from the bottom of the trench to a level of 6 inches above the base of the adjacent footing
- A minimum 5-foot continuous length of native soil backfill compacted to at least 90% relative compaction in accordance with ASTM D-1557 testing procedures. The compacted soil backfill shall extend from the bottom of the trench to a level at least 6 inches above the base of the adjacent footing.

B. Conduit Seals. All "dry utility" conduits which enter the building from the soil shall have annular spaces sealed using mastic or other materials as described in the project soil vapor control plans and details attached. All conduit seal mastic shall be VOC compliant.

C. Boots at Membrane. Sewer, gas, and water pipes and all communication and with all other utilities and penetrations which enter the building from the soil shall be "booted" per the soil vapor barrier membrane penetrations details.

XI. CLASSIFIED AREAS: -- no section.

XII. ELECTRONIC GAS DETECTION SYSTEMS -- no section.

XIII. SPECIAL INSPECTIONS - Special "deputy type" Inspections shall be performed to document the adherence of the system installation to the plans, specifications, details and agency requirements. A daily Special Inspection report shall be prepared for each day that Special Inspections are performed, and a copy of the report kept on file at the Job Super's office. The original reports shall be kept and maintained by the Special Inspectors office, which shall utilize the reports in preparation of certification letters for the soil vapor control work. All deviations from the approved/final plans and specifications shall be notated in red on a field set of drawings, which shall be maintained throughout the project and which shall be the basis for preparation of as-built drawings.

PRINT FULL SIZE 22" x 34"

REV	DESCRIPTIONS	DATE
2	CLIENT REVIEW	11/14/19
1	CLIENT REVIEW	12/17/19

NOTE:
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Soil Vapor Control System for Federal Way Free Standing Emergency Center
29805 Pacific Highway South, Federal Way, WA 98003

SPECIFICATIONS
(CONTINUED)

JOHN E. SEPICH
STATE OF WASHINGTON
55910
REGISTERED
PROFESSIONAL ENGINEER

RELEASED FOR PLAN CHECK

BROWNFIELD SUBSLAB

SOIL VAPOR MANAGEMENT FOR HABITATION

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DRAWN BY:	JAH
DATE:	Nov. 14, 2019
CHECKED:	JES
CONTRACT NO.	
JOB NO.	JA45

SHEET NO.
VC-7.2

XIV. SMOKE TEST REPORT - The smoke test report shall contain the following information:

SMOKE TEST REPORT

INSPECTION OF SOIL VAPOR MITIGATION SYSTEM

JOB # / NAME _____

DATE _____

TIME IN _____

TIME OUT _____

1. **The membrane has been visually inspected for flaws and is acceptable** ..... ❍ yes ❍ no
2. **Weather conditions**

   temperature_____ **wind speed**_____ **humidity**_____

   barometer_____ **wind direction**_____ **sky**_____

   Wind speed is acceptable (must be less than 15 mph) ..... ❍ yes ❍ no

   Temperature is acceptable (normally 45◦ F for spray-on or per manufacturer) ..... ❍ yes ❍ no
3. **Smoke flow is acceptable in range of 150 to 850 cfm (flow =** _____ **cfm)** ..... ❍ yes ❍ no

   Smoke pressure is acceptable, 2" H2O minimum (pressure = _____ **"H2O)** ..... ❍ yes ❍ no
4. **Membrane is lifted by smoke test** ..... ❍ yes ❍ no
5. **Two-inch square coupons have been cut from membrane field every 500 square feet** ..... ❍ yes ❍ no
6. Coupon thickness measurements meet or exceed the approved thickness, (60 mil) ..... ❍ yes ❍ no

(note: spray-on membrane only requires coupons to be cut)

7. Smoke flow under membrane appears to be adequate to permeate leaks ..... ❍ yes ❍ no
8. Coupon locations have been properly mended with_____(spray-on only) ..... ❍ yes ❍ no
9. Coupon locations have been numbered and plotted on the approved plans(spray-on only) ..... ❍ yes ❍ no
10. Perforations 0.05"dia. were constructed each 1000 to 2000 square feet of membrane sandwich(spray) ..... ❍ yes ❍ no
11. The 0.05" diameter perforations have been properly mended with _____(spray-on only) ..... ❍ yes ❍ no
12. All smoke leak locations have been marked and mended (membrane acceptable) ..... ❍ yes ❍ no

    note: final smoke test locations are not smoke tested after patching (spray-on only).
13. Permanent weatherproof labels are installed at methane vent riser pipes ..... ❍ yes ❍ no

NOTES: _____

_____

_____

_____

_____

_____

☐ notify contractor to call 48 hours in advance for re-inspection

_____ _____

inspector's signature *verified by*

XV. COVENANT AND AGREEMENT - A Covenant & Agreement shall be notarized and signed by the owner of the property, and recorded with the appropriate County Registrar-Recorder with a copy submitted to the Building Authority prior to approval of the as-built details and specifications and issuance of the Certificate of Occupancy. The Covenant and Agreement may take the following form:

COVENANT AND AGREEMENT FOR SOIL VAPOR CONTROL

A. Full Name and Address of Owner: _____

B. Legal Description of Property: _____

C. Acknowledgement. The Owner of the property described agrees to acknowledge for himself, his heirs, his successors in interest or his assigns the following:

1. That the subject property is within a soil vapor area;

2. That soil gas control will include subslab venting, and a soil gas barrier.

3. To give irrevocable consent to the Building Authority to permit their authorized representatives to enter onto the premises during regular business hours for the purpose of inspecting and testing for soil gas intrusion;

4. That future building construction or modification of existing building slab on this property shall not be done without prior review and approval of soil vapor control measures by appropriate authorities of the Building Authority.

5. To submit pre-occupancy monitoring reports to the Building Authority prior to occupancy.

D. Building Authority. The building authority for this project shall be the _____

_____ _____ Building and/or Fire Departments.

Signature of Owner (or Corporate Officer if a Corporation):

_____, _____, _____

signature title date

REV	DESCRIPTIONS	DATE
2	CLIENT REVIEW	11/14/19
1	CLIENT REVIEW	12/17/19

NOTE:
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Soil Vapor Control System for Federal Way Free Standing Emergency Center
29805 Pacific Highway South, Federal Way, WA 98003

SPECIFICATIONS
(CONTINUED)

JOHN E. SEPICH
STATE OF WASHINGTON
55910
REGISTERED
PROFESSIONAL ENGINEER

RELEASED FOR PLAN CHECK

BROWNFIELD SUBSLAB

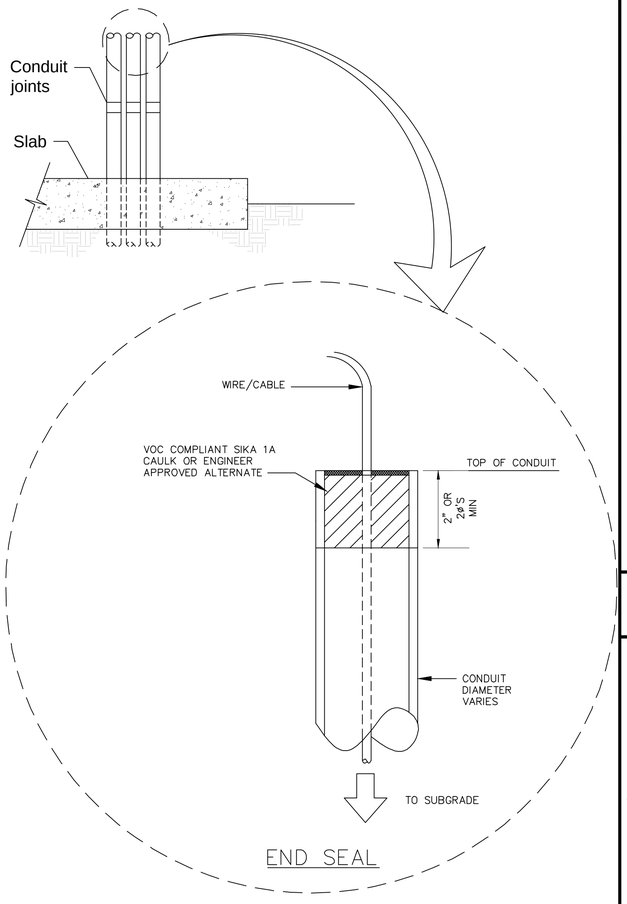
SOIL VAPOR MANAGEMENT FOR HABITATION

4007 McCullough #469
San Antonio, TX 78212
5655 Lindero Canyon Road
Suite 106-3
Westlake Village, CA 91362
JESepich@gmail.com
(213) 500-0425

DRAWN BY:	JAH
DATE:	Nov. 14, 2019
CHECKED:	JES
CONTRACT NO.	
JOB NO.	1445

SHEET NO.
VC-7.3

PRINT FULL SIZE 22" x 34"



NOTE: ENGINEER APPROVED ALTERNATE MAY BE USED IN LIEU OF THIS DETAIL

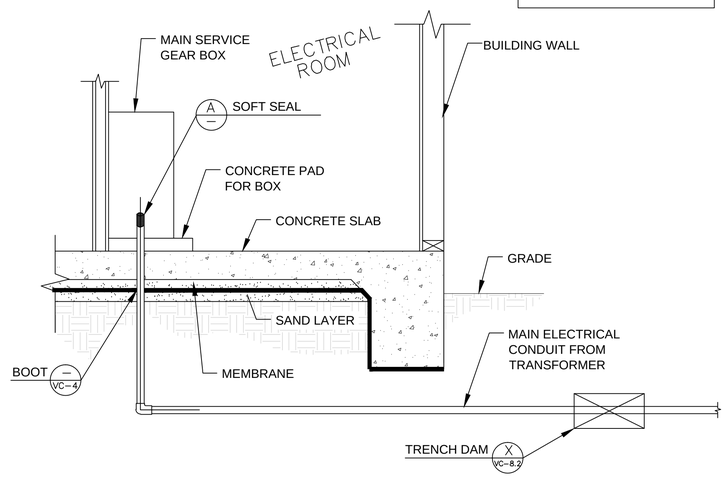
* SOFT SEAL FOR UNCLASSIFIED SOIL AREAS

NOT TO SCALE

SMALL DIAMETER END SEAL* — A

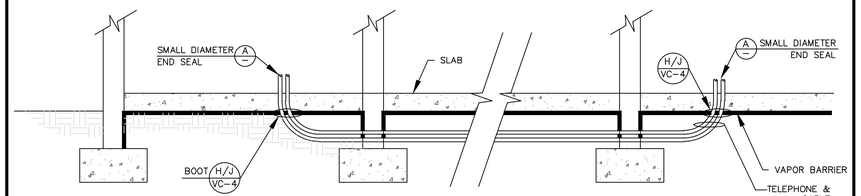
NOTE: CONDUIT SEAL SHALL BE USED TO INSURE AGAINST SOIL VAPOR INTRUSION THROUGH ELECTRICAL SERVICE PATHWAY. SEE ELECTRICAL DRAWINGS FOR SPECIFIC MAIN FEED DETAILS.

NOTE: THIS DETAIL ADDRESSES CONDUIT SEALS UNDER A VARIETY OF CONDITIONS. THE FOUNDATION IS SHOWN SCHEMATICALLY. ACTUAL STRUCTURAL FOUNDATION GEOMETRY MAY VARY.



NOT TO SCALE

ELECTRICAL MAIN FEED — C



NOTE: THIS DETAIL ADDRESSES CONDUIT SEALS UNDER A VARIETY OF CONDITIONS. THE FOUNDATION IS SHOWN SCHEMATICALLY. ACTUAL STRUCTURAL FOUNDATION GEOMETRY MAY VARY.

NOT TO SCALE

TELEPHONE AND CABLE — D

DRY UTILITY CONDUIT SEAL NOTES

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NOT TO SCALE

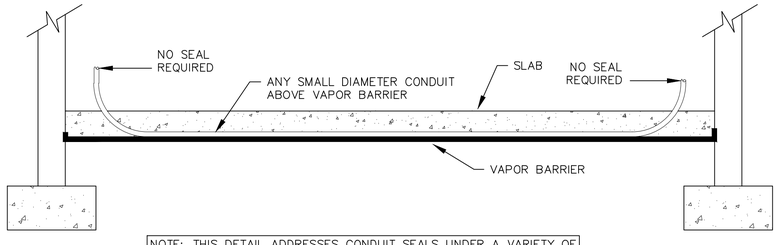
NOTES — F

PRINT FULL SIZE 22" x 34"

CONTRACTOR SHALL MAKE PHOTOGRAPHIC RECORD OF ALL CONDUIT SEAL INSTALLATIONS AND PROVIDE TO SOIL VAPOR ENGINEER

NOT TO SCALE

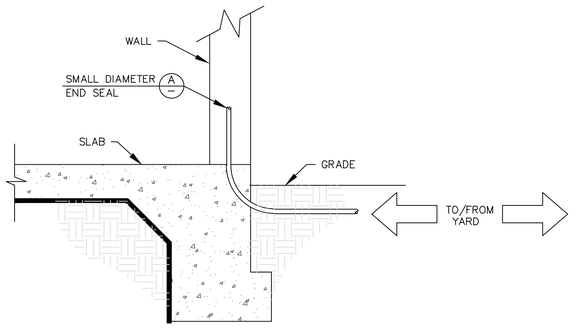
NOTE — B



NOTE: THIS DETAIL ADDRESSES CONDUIT SEALS UNDER A VARIETY OF CONDITIONS. THE FOUNDATION IS SHOWN SCHEMATICALLY. ACTUAL STRUCTURAL FOUNDATION GEOMETRY MAY VARY.

NOT TO SCALE

CONDUIT ABOVE VAPOR BARRIER — E



NOTE: THIS DETAIL ADDRESSES CONDUIT SEALS UNDER A VARIETY OF CONDITIONS. THE FOUNDATION IS SHOWN SCHEMATICALLY. ACTUAL STRUCTURAL FOUNDATION GEOMETRY MAY VARY.

NOT TO SCALE

YARD CONDUIT — G

REV	DESCRIPTIONS	DATE
2	CLIENT REVIEW	11/14/19
1	CLIENT REVIEW	12/17/19

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Soil Vapor Control System for Federal Way Free Standing Emergency Center
29805 Pacific Highway South, Federal Way, WA 98003

UTILITY CONDUIT SEALS

JOHN E. SEPICH — STATE OF WASHINGTON — 55910 — REGISTERED PROFESSIONAL ENGINEER

RELEASED FOR PLAN CHECK

BROWNFIELD SUBSLAB

SOIL VAPOR MANAGEMENT FOR HABITATION

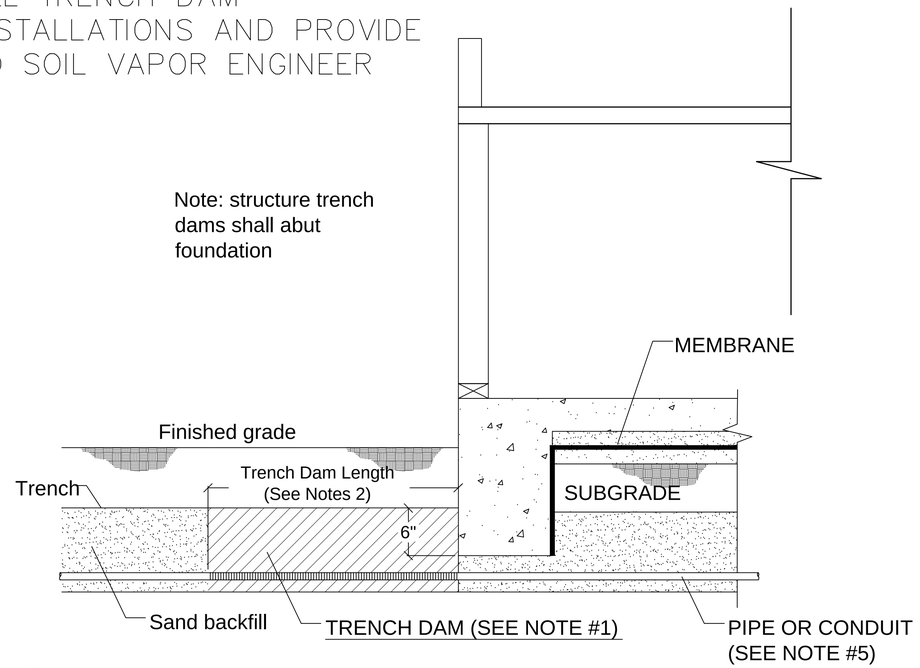
4007 McCullough #469
San Antonio, TX 78212
5655 Lindero Canyon Road
Suite 106-3
Westlake Village, CA 91362
JESepich@gmail.com
(213) 500-0425

DRAWN BY:	JAH
DATE:	Nov. 14, 2019
CHECKED:	JES
CONTRACT NO.	
JOB NO.	JA45

SHEET NO.
VC-8.1

SHEET 9 OF 12

CONTRACTOR SHALL MAKE PHOTOGRAPHIC RECORD OF ALL TRENCH DAM INSTALLATIONS AND PROVIDE TO SOIL VAPOR ENGINEER



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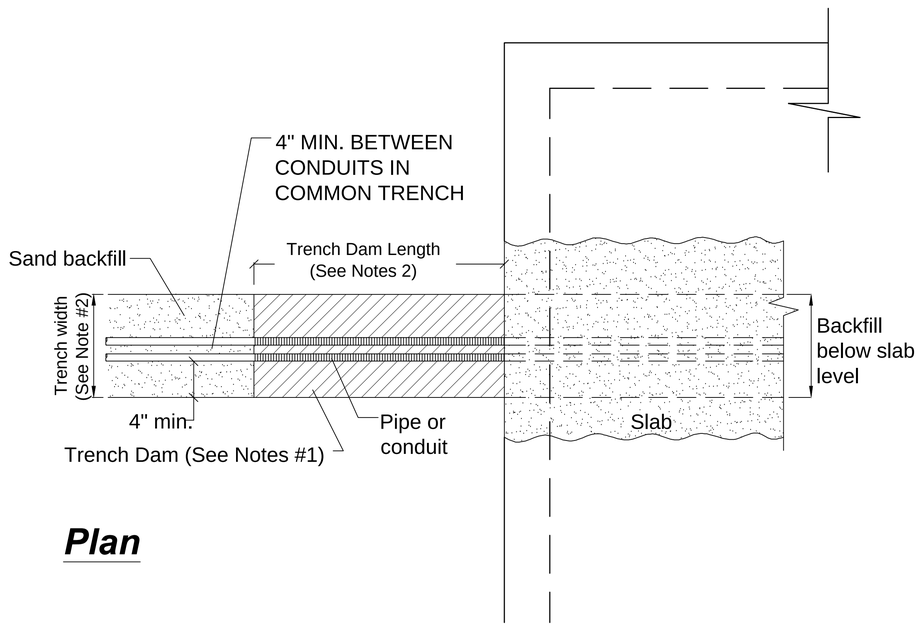
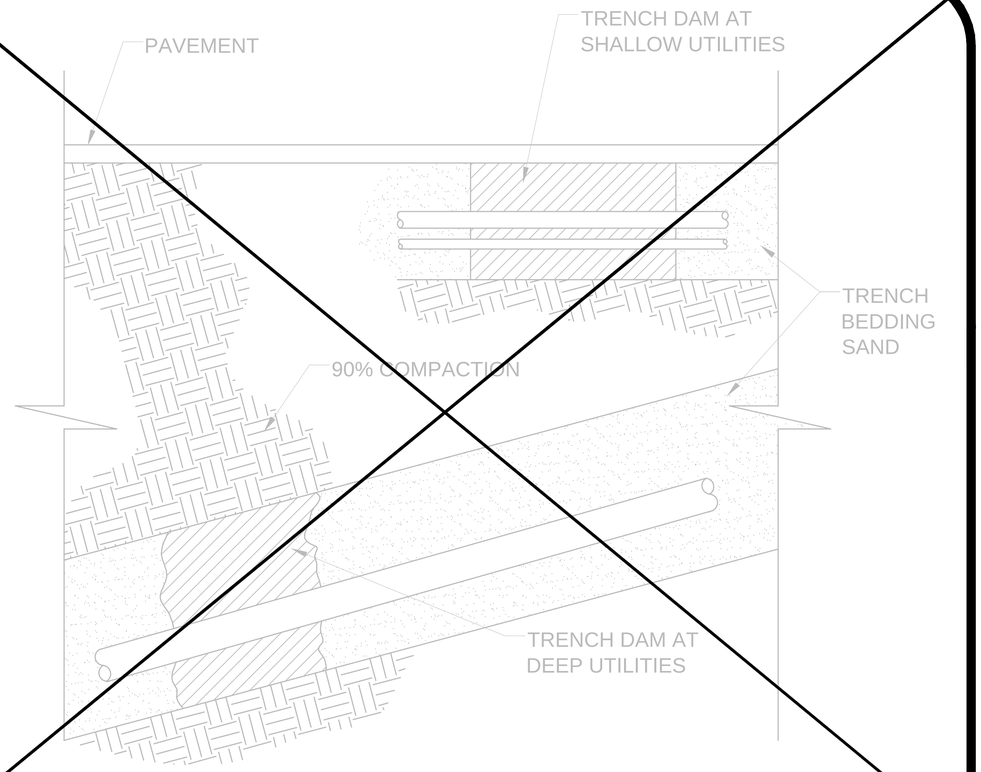


Plan

NOT TO SCALE

TRENCH DAM AT STRUCTURE | X



TRENCH DAM IN STREET | Y

NOTES: TRENCH DAMS

1. TRENCH DAMS SHALL BE INSTALLED IN ALL TRENCHES CONTAINING PIPING AND CONDUIT THAT CONNECTS DIRECTLY FROM THE UTILITY LINES IN THE STREET.

2. THE MIN. LENGTH OF A TRENCH DAM SHALL BE MINIMUM 2.0 TIMES THE TRENCH WIDTH BUT NEVER LESS THAN 3'-0".

3. TRENCH DAM MATERIAL SHALL HAVE A COEFFICIENT OF PERMEABILITY ON THE ORDER OF AT LEAST 100 TIMES LESS THAN THE TRENCH BEDDING SAND; ESTIMATES ARE ACCEPTABLE.

4. TRENCH DAMS SHALL BE CONSTRUCTED OF ONE OF THE FOLLOWING:

   A. BENTONITE CEMENT SLURRY THREE FEET LONG: A MIXTURE OF 4% TYPE II CEMENT, AND 2% POWDERED BENTONITE.

   B. CONCRETE MIXES OTHER THAN BENTONITE CEMENT SLURRY MAY BE USED PROVIDED CONDUIT OR PIPING IS WRAPPED WITH HIGH DENSITY PVC FOAM TAPE, CLOSED CELLS, ADHESIVE BACKED, 1/4" THICK BY 2" WIDE SHALL BE APPLIED TO CLEAR SURFACE WITH ENDS BUTTED TOGETHER AT MOST VISIBLE LOCATIONS IN TRENCH DAM.

   C. COMPACTED NATIVE SOILS BACKFILL FIVE FEET LONG: NATIVE SOILS SHALL BE COMPACTED TO AT LEAST 90% RELATIVE COMPACTION IN ACCORDANCE WITH ASTM D-1557 TESTING PROCEDURES.

   D. NATIVE SOILS PRECONDITIONED OVER-OPTIMUM SURROUNDING UTILITY PIPES 5' LONG ALONG TRENCH. SOIL SHALL CONTAIN SUFFICIENT MOISTURE CONTENT SUCH THAT IT CAN BE PUSHED ALL THE WAY AROUND EACH PIPE, SUCH THAT AIR VOIDS ARE ELIMINATED. TOP OF TRENCH DAM SHALL BE FIRM PRIOR TO PLACING TRENCH BACKFILL OVER TRENCH DAM.

5. PIPING AND CONDUIT SHALL BE PROTECTED FROM CORROSION AND STRUCTURAL SETTLEMENT AS FOLLOWS:

   A. TAPE SHALL BE APPLIED ON CONDUIT AND PIPING ENCASED IN CEMENT SLURRY OR CONCRETE.

   B. TAPE SHALL BE PS-37-90, BLACK PLASTIC PVC OR PE PRESSURE-SENSITIVE CORROSION PREVENTIVE TAPE.

TRENCH DAM NOTES | Z

REV	DESCRIPTIONS	DATE
2	CLIENT REVIEW	11/14/19
1	CLIENT REVIEW	12/17/19

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Soil Vapor Control System for Federal Way Free Standing Emergency Center
29805 Pacific Highway South, Federal Way, WA 98003

TRENCH DAM DETAILS AND NOTES

JOHN E. SEPICH — STATE OF WASHINGTON — 55910 — REGISTERED PROFESSIONAL ENGINEER

RELEASED FOR PLAN CHECK

BROWNFIELD SUBSLAB
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DATE:	Nov. 14, 2019
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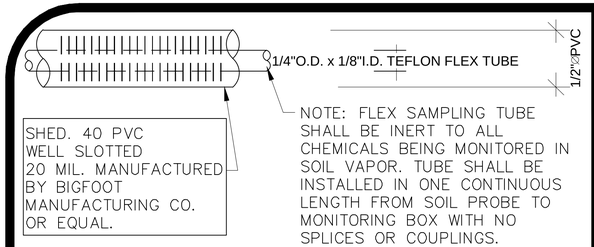
CONTRACT NO.	
JOB NO.	JA45

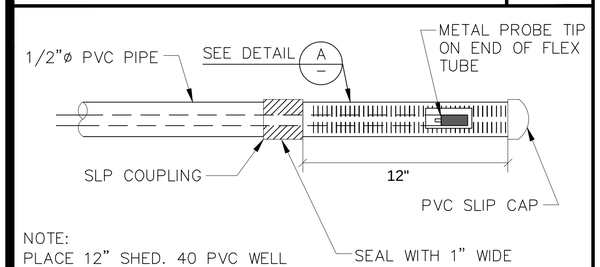
SHEET NO.
VC-8.2
SHEET 12 OF 12

PRINT FULL SIZE 36" X 42"



NOT TO SCALE

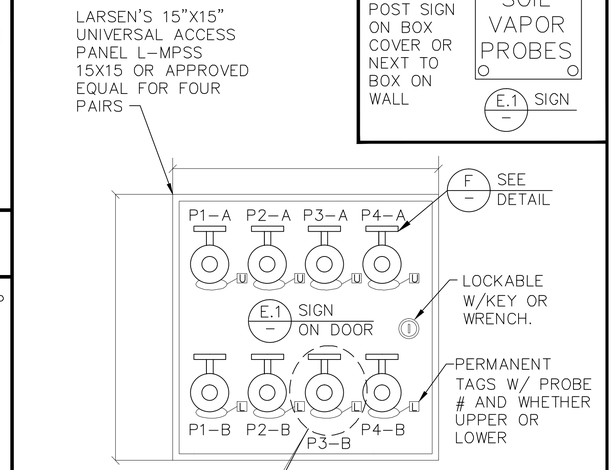
PVC SCREEN **A**



NOTE:
PLACE 12" SHED. 40 PVC WELL SLOTTED IN 2" SAND LAYER AND WRAP IN GEOTEXTILE. ONE BELOW AND ONE ABOVE THE MEMBRANE LAYER AS SHOWN BELOW

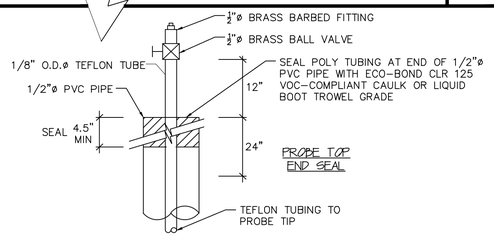
NOT TO SCALE

PROBE END **B**



NOT TO SCALE

PROBE VAULT/J-BOX **E**

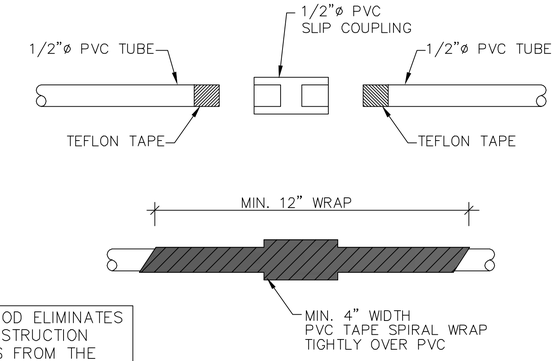


NOT TO SCALE

NO DETAIL **C**

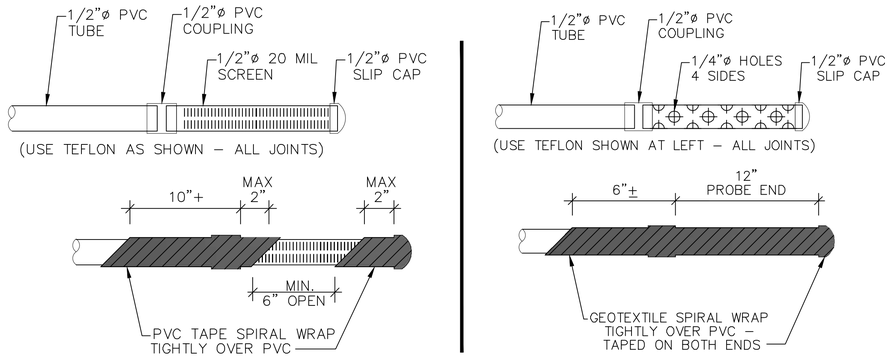
NOT TO SCALE

VAPOR TIGHT VALVE CONNECTION **F**



THIS METHOD ELIMINATES SOME CONSTRUCTION CHEMICALS FROM THE MONITORING PROBES.

PIPE CONNECTION

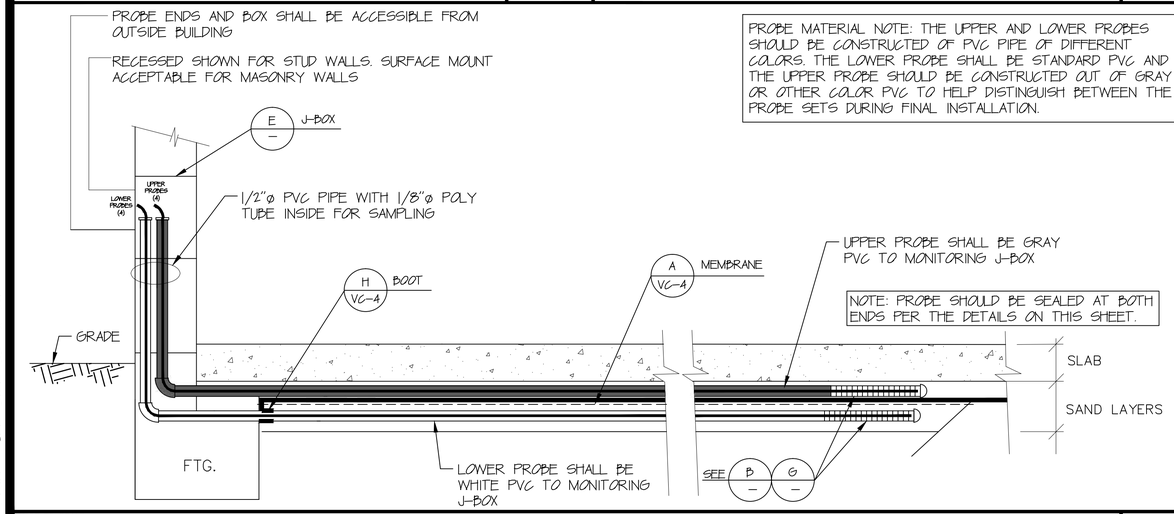


PROBE END (ALTERNATE 1)

PROBE END (ALTERNATE 2)

NOT TO SCALE

ALTERNATIVE PROBE PVC TAPE DETAIL **G**



PROBE MATERIAL NOTE: THE UPPER AND LOWER PROBES SHOULD BE CONSTRUCTED OF PVC PIPE OF DIFFERENT COLORS. THE LOWER PROBE SHALL BE STANDARD PVC AND THE UPPER PROBE SHOULD BE CONSTRUCTED OUT OF GRAY OR OTHER COLOR PVC TO HELP DISTINGUISH BETWEEN THE PROBE SETS DURING FINAL INSTALLATION.

NOTE: SOIL VAPOR MONITORING PROBES MAY PICK UP CHEMICALS FROM CONSTRUCTION MATERIALS. THE SOIL VAPOR MONITORING SYSTEM INCLUDES THE FOLLOWING CHEMICALS. OTHER CHEMICALS MAY ALSO BE EXPECTED FROM BUILDING CONSTRUCTION MATERIALS.

NOT TO SCALE

HORIZONTAL PROBES ABOVE AND BELOW MEMBRANE **D**

NOT TO SCALE

CHEMICAL LIST FROM CONSTRUCTION MATERIALS **H**

PRINT FULL SIZE 22" x 34"

REV	DESCRIPTIONS	DATE
2	CLIENT REVIEW	11/14/19
1	CLIENT REVIEW	12/17/19

NOTE:
THESE SHOP DRAWINGS, PLANS, DETAILS, SPECIFICATIONS, AND NOTES ARE PROPRIETORY AND SHALL ONLY BE USED FOR THIS PROJECT. DUPLICATION IS FORBIDDEN WITHOUT THE EXPRESSED WRITTEN APPROVAL OF BROWNFIELD SUBSLAB.

Soil Vapor Control System for Federal Way Free Standing Emergency Center
29805 Pacific Highway South, Federal Way, WA 98003

SUBSLAB MONITORING PROBE DETAILS AND NOTES

JOHN E. SEPICH
STATE OF WASHINGTON
55910
REGISTERED
PROFESSIONAL ENGINEER

RELEASED FOR PLAN CHECK

BROWNFIELD SUBSLAB
SOIL VAPOR MANAGEMENT FOR HABITATION
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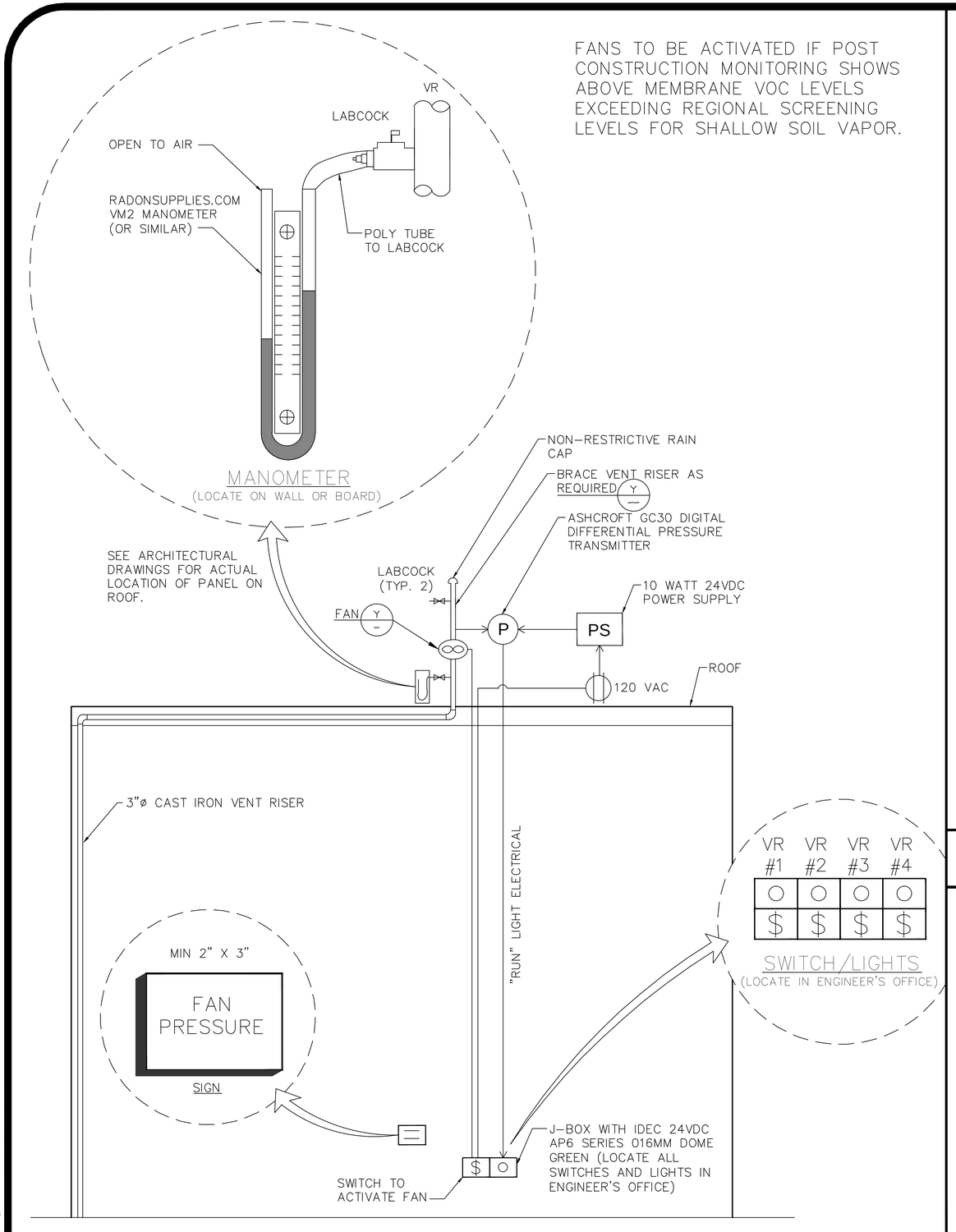
DRAWN BY:	JAH
DATE:	Nov. 14, 2019
CHECKED:	JES
CONTRACT NO.	
JOB NO.	JA45

SHEET NO.
VC-9
SHEET 11 OF 12

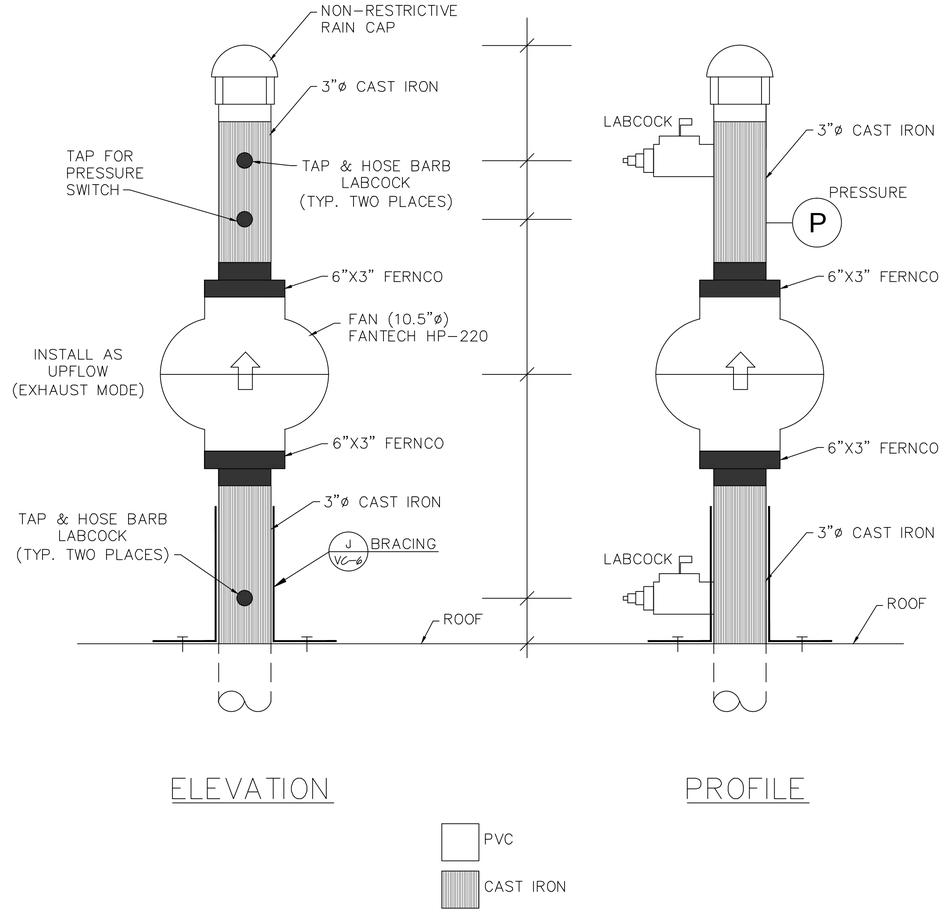
FANS TO BE ACTIVATED IF POST CONSTRUCTION MONITORING SHOWS ABOVE MEMBRANE VOC LEVELS EXCEEDING REGIONAL SCREENING LEVELS FOR SHALLOW SOIL VAPOR.



NOT TO SCALE

ACTIVE SYSTEM INSTALLATION SCHEMATIC

X



NOT TO SCALE

ACTIVE FAN INSTALLATION

Y

NOTES: *

1. A 120VAC 20 AMP ELECTRICAL OUTLET SHALL BE PROVIDED AT EACH VENT RISER LOCATION. THE OUTLET SHALL BE WEATHERPROOF AND ON THE ROOF ADJACENT TO THE VENT RISER FOR FLAT ROOFS; AND THE OUTLET SHALL BE IN THE ATTIC SPACE ADJACENT TO THE VENT RISER FOR SLOPED ROOFS.
2. INSTALL THE VENT FAN IN THE VERTICAL RUN OF THE VENT PIPE.
3. ALL POSITIVELY PRESSURED PORTIONS OF THE VENT PIPE AND FAN SHALL BE LOCATED OUTSIDE THE HABITABLE SPACE OF THE BUILDING.
4. PROVIDE A VISIBLE WARNING SYSTEM (LIGHT) TO ALERT THE BUILDING OCCUPANT/MANAGER IF THERE IS A LOSS OF PRESSURE OR AIR FLOW IN THE VENT PIPE.*
5. A UL REGONIZED WATERPROOF CONDUIT SHOULD BE USED FOR ALL OUTDOOR APPLICATIONS TO PREVENT MOISTURE ENTRY VIA KNOCKOUT IN WIRING BOX.

* AFTER US EPA GUIDELINES
WWW.EPA.GOV/IAQ

NOT TO SCALE

ELECTRICAL NOTES

Z

REV	DESCRIPTIONS	DATE
2	CLIENT REVIEW	11/14/19
1	CLIENT REVIEW	12/17/19

NOTE:
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Soil Vapor Control System for Federal Way Free Standing Emergency Center
29805 Pacific Highway South, Federal Way, WA 98003

ACTIVE SYSTEM FAN DETAILS

JOHN E. SEPICH
STATE OF WASHINGTON
55910
REGISTERED
PROFESSIONAL ENGINEER

RELEASED FOR PLAN CHECK

SOIL VAPOR MANAGEMENT FOR HABITATION
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DRAWN BY:	JAH
DATE:	Nov. 14, 2019
CHECKED:	JES
CONTRACT NO.	
JOB NO.	JA45

SHEET NO.
VC-10
SHEET 12 OF 12

PRINT FULL SIZE 36" x 42"

Soil Management Plan – February 17, 2020
(Previously Submitted to Ecology)

Release Notification – March 3, 2020
(Previously Submitted to Ecology)

TGE RESOURCES, INC.

Environmental Consulting & Engineering, Building Sciences, Industrial Hygiene & Remediation Services

Phase I Environmental Site Assessment
CF Federal Way LLC, aka Federal Way Emergency Center
29805 Pacific Highway South
Federal Way, King County, Washington
TGE Project No.: R14196.01

Prepared for:

The Centurion Foundation, Inc.
C/O Mr. Ben Mingle, Executive Vice President
3575 Piedmont Road
Building 15, Suite 930
Atlanta, Georgia 30305

June 23, 2020

DUNS: 929574051
Texas HUB
City of Houston SBE, WBE
SBA Certified WOSB
TX DOT Pre-certified
WBEA/WBENC Certified WBE

TGE Corporate Office
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713-744-5800
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www.tgeresources.com

June 23, 2020

The Centurion Foundation, Inc.
C/O Mr. Ben Mingle, Executive Vice President
3575 Piedmont Road
Building 15, Suite 930
Atlanta, Georgia 30305
Attention: Corporate Trust and Escrow Services

RE: Phase I Environmental Site Assessment
CF Federal Way LLC, aka Federal Way Emergency Center
29805 Pacific Highway South
Federal Way, King County, Washington
TGE Project No.: R14196.01

Dear Mr. Mingle,

TGE Resources, Inc. ("TGE") has completed a Phase I Environmental Site Assessment at the above referenced Property. This report includes results of our Findings from visual reconnaissance, historical land use review, records and regulatory review.

We appreciate the opportunity to be of service to you and The Centurion Foundation, Inc. on this project. Should you have questions about information in this report or if we can be of further assistance, please contact us.

Very truly yours,

TGE Resources, Inc.

Robin D. Franks, P.G., CHMM, RSO
President, TGE Resources, Inc.

RDF/KB/jg

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FIGURES

Figure 1 - Site Location Map
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APPENDICES

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Appendix D - Historical Documentation
Appendix E - Photographic Documentation
Appendix F - State File Information

ACRONYMS/ABBREVIATIONS

AAI	All Appropriate Inquiries
AMSD	Approximate Minimum Search Distance
ASTM	American Society of Testing and Materials
AULs	Activity and Use Limitations
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation and Liability Information System
CFR	Code of Federal Regulations
COC	Chemical of Concern
CREC	Controlled Recognized Environmental Condition
DCF	Dry Cleaning Facility
EDR	Environmental Data Resources, Inc.
EPCRA	Emergency Planning and Community Right to Know Act (a.k.a. SARA Title III)
ERNS	Emergency Response Notification System
ESA	Environmental Site Assessment
FBG	Feet Below Grade
FOIA	Freedom of Information Act
FR	Federal Register
HREC	Historical Recognized Environmental Condition
IC	Institutional Controls
LLP	Landowner Liability Protections (under the Brownfields Amendments)
LQG	Large Quantity Generator
LUST/LPST	Leaking Underground Storage Tank/Leaking Petroleum Storage Tank
MG/KG	Milligrams per Kilogram
MG/L	Milligrams per Liter
MWR	Municipal Waste Registration
NAICS	North American Industry Classification System
NCP	National Contingency Plan
NFRAP	No Further Action Planned
NG	Non-Generator
NPDES	National Pollutant Discharge Elimination System
NPL	National Priorities Listing
NSC	Non-Scope Consideration
PCBs	Polychlorinated Biphenyls
PRP	Potentially Responsible Party
RCRA	Resource Conservation and Recovery Act
REC	Recognized Environmental Condition
ROC	Records of Communication
SARA	Superfund Amendments and Reauthorization Act
SDS	Safety Data Sheet
SHWS	State Hazardous Waste “Sites”
SIC	Standard Industrial Classification
SQG	Small Quantity Generator
TGE	TGE Resources, Inc.
TPH	Total Petroleum Hydrocarbon
TSDF	Hazardous Waste Treatment, Storage or Disposal Facility
USC	United States Code
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey
USFWS	United States Fish and Wildlife Service
UST/PST	Underground Storage Tank/Petroleum Storage Tank
VCP	Voluntary Cleanup Program
VOC	Volatile Organic Compound

1.0 SUMMARY

TGE Resources, Inc. ("TGE") has completed a Phase I Environmental Site Assessment (ESA) of CF Federal Way LLC, aka Federal Way Emergency Center located at 29805 Pacific Highway South in Federal Way, King County, Washington (hereinafter referred to as the "Site" or "Property"), pursuant to American Society of Testing and Materials (ASTMs) *"Standard Practice for [ESAs]: Phase I [ESA] Process"* (E1527-13). Also, as per the United States Environmental Protection Agency (USEPA; 40 Code of Federal Regulation [CFR] Part 312), use of the referenced ASTM Process is intended to satisfy requirements for conducting *"all appropriate inquiries"* (aka, AAI) under the Comprehensive Environmental Response, Compensation and Liability Act (or "CERCLA").

According to King County Appraisal District (CAD) information and Client provided documents, the Property is comprised of a reported 1.71 acres (74,343 square feet). Recorded Site improvements (now removed) specify a 6,350 square-foot, partial two-story, commercial office and (auto) repair facility that was constructed in 1970. As of the date of Site reconnaissance performed for this assessment, which was undertaken on June 3, 2020, the Property was under active construction with a new hospital development.

Based on review of previous Phase I and Phase II reports prepared by others, the eastern portion of the Property (along Pacific Highway South) was developed as a fueling station/restaurant in the 1920s with historic use of underground (fuel) storage tanks (USTs). The historic fueling station/restaurant reportedly ceased Site operations by the late 1960s; the former above-grade Site structure was thereafter demolished. Below grade structures, including four underground storage tanks (USTs), a septic system, and a basement (to support the former automotive repair business) were later discovered (by others) and apparently removed/excavated beginning in 1993 (finally completed in 2000). During removal of equipment and slabs, petroleum impacted soil was found and reported to the State under its (then existing) LUST/VCP agency program. This finding/condition gained case closure status (per available State files) in 2001. As observed via historical aerial photograph review (taken in the 1940s through the 1950s), the southern and western portions of the Property remained largely undeveloped. A historic topographic map (1956) depicts the western Site limits and adjoining land west with non-specified "depressions". An unpaved road is recorded as having traversed the Site from the southeast to the northern Site limits; it appeared to terminate within the southeast Site limits (per a 1965 aerial photograph). Denuded vegetation and/or land clearing is apparent within the Site per this 1965 photo. Surface cover removal and/or evidence of Site grading is evident in a 1968 aerial photograph that includes the Property. Buildings had been constructed at the Site by the late 1960s to early 1970s; these buildings remained in place until being razed to allow new (currently ongoing) hospital construction by MHS. Prior structures had been oriented within the southern portion of the Property and recorded as having operated as "Rental Mart" (an equipment rental/repair facility). Rental Mart historically operated with at least one diesel UST and dispenser, which were recorded as removed from the ground/location in 1993. Prior ESA reports indicated the presence of a historic septic system, sumps and former hazardous materials storage areas in connection with the former building. A rather large Site "greenhouse" (and associated commercial structures) is identified within historical resources/files within the northwestern portion of the Site during the early 1990s; it was apparently removed by 2000. Per a 2000 Phase I ESA prepared by others, Rental Mart ceased operation within the Property by the late 1990s and the Property remained unoccupied at that time. Per city directory publications, the Property operated as "United Rentals" during at least 2001 and "Fort Inc.", in 2007. Per Appraisal District information reviewed, the Property was sold by Union Bank to American Drug Stores, Inc. in 2001, to private individuals in 2002 and 2005, and to the current owner in 2007 (Niklexi LLC). Since its 2007 transfer of ownership, the Property operated for used car sales (Payless), an auto repair facility, and a repossession facility (with portions of the Site controlled by the federal government).

In addition to historical Property use, surrounding/near Site historical land use also presents with material risk respecting environmental conditions for which potential release of hazardous substances and petroleum products has not been conclusively ruled out. Specifically, a former fuel station, dry cleaner, and abandoned gravel pit/quarry are all positioned in the Site vicinity and no apparent/recorded characterization at these locations has been performed. Each such location should be considered a potential contributing factor in consideration of soil vapor findings in excess of Ecology's screening levels at the Site.

Multicare Health System (MHS) executed a lease agreement with the Site's current owner in 2017. Since that time, the Site has been vacated of its prior occupants and prepared for eventual Site redevelopment by MHS for eventual use in providing healthcare to the public.

In advance of MHS leasing the Property, and continuing thereafter in preparation of the Site for redevelopment, certain due diligence/Site characterization assessments were performed on behalf of MHS. Environmental investigations were executed (pre-lease) to permit MHS (as User) to satisfy requirements to qualify for liability protections within the scope of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). Once the Site was accessible by representatives of MHS, intrusive characterization (testing) of soil, soil vapor, ground water, and fill material was conducted. As an outcome of characterization assessment, petroleum hydrocarbon, various RCRA/heavy metals, pesticide, and fill material (of unspecified origin) was documented within the limits of the Property. Soil vapor screening reported an elevated risk for vapor intrusion into the planned structure unless mitigation measures could be deployed. MHS opted for aggressive affected property (soil) removal and coincident design and follow-on installation of a permanent vapor intrusion mitigation system (VIMS) at the Site. This approach to comprehensive soil removal and VIMS installation (under strict engineering design and oversight) presents with the desired protective approach to Site re-use by MHS. Current Site activity includes active VIMS installation by the new development's General Contractor (Anderson Construction) under compliance inspection by the design engineer of record. Once VIMS installation is complete, construction of the new hospital will proceed. Post construction quarterly VIMS soil gas testing will begin upon notice of completion being received by TGE from Anderson; and following a period of post-construction "system off-gassing". VIMS compliance testing will continue for a minimum of four (4) quarters (one full year) thereafter; a final annual (consolidated) VIMS performance report will be prepared and submitted to MHS (and the Department of Ecology) upon confirmatory (passing) performance testing and P.E. of record report execution.

To complete this Practice, TGE successfully performed four prescriptive components of the ASTM standard (Records Review, Site Reconnaissance, Interviews, and Evaluation); in doing so, TGE has satisfied the Phase I ESA Process (or "Practice") such that "Findings", "Opinion" and "Conclusions" could be prepared. Limiting conditions, scope deletions/deviations, or data gaps, if any (realized while undertaking the Practice) are listed within Section 10.0 of this report and the materiality of each Limiting Condition summarized. Additions to the Practice (if any), such as Property assessment for "Non-scope considerations" (NSCs), or any Property characterization (testing) performed is summarized within Sections 8.0 and 9.0 of this report, respectively.

Findings/Opinions

"Findings", which collectively encompass known or suspect *Recognized Environmental Conditions ("RECs"); Controlled Recognized Environmental Conditions ("CRECs"); Historical Recognized Environmental Conditions ("HRECs"); and (of far lesser circumstance and not summarized in this section), "de minimis conditions"* (as per ASTM E1527-13) are listed immediately below. Based upon the materiality of "Findings", consideration of other relevant information gathered is summarized herein; and in TGE's professional judgment, corresponding "Opinion" is provided that Findings are (or are not) current RECs, CRECs, or HRECs.

Finding	Opinion
The former presence of hazardous substances and petroleum products at the Property (under conditions indicative of a release to the environment) that originated (predominantly) from prior operation of historical Site businesses, which included retail fuel sales, auto repair/service, and Site use with a commercial greenhouse.	Confirmed residual RCRA metals and vapor phase VOCs found at the Site in excess of applicable Ecology (MTCA) screening levels in soil and as established within the Draft Ecology Guidance for Evaluating Soil Vapor Intrusion in Washington State (February, 2016) is a REC for the Site.
Historical use of adjoining land north as a fueling station since at least the mid-1930s with concurrent use of USTs; land use within 350 feet northwest as a dry cleaning facility (for at least 13 years); and historic use of adjoining land west as a gravel pit/quarry (likely recorded "oil pit") from at least the 1940s through the 1980s.	

Conclusions/Recommendations

TGE has performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E1527-13 of CF Federal Way LLC, aka Federal Way Emergency Center located at 29805 Pacific Highway South, Federal Way, King County, Washington. Any exceptions to, or deletions from, this Practice are described in Section 10.0 of this report. This assessment has revealed no evidence of RECs (including CRECs) in connection with the Property except for the following. As appropriate, TGE provides the following recommendation(s), per the Client-specified scope of work and objectives of this assessment.

Conclusion	Recommendation(s)
Residual RCRA metal arsenic and confirmed vapor phase VOCs found at the Site in excess of applicable Ecology (MTCA) screening levels.	Comply with applicable VCP Ecology requirements such that case closure can eventually be received; and as warranted specific to responsible party of record filing of an institutional control and environmental covenant to run with the land – ensure that "Continuing Obligations" (with VIMS maintenance) are fulfilled as objectives to maintain Liability Protections under CERCLA.

Summary of Non-Scope Considerations (NSCs)

NSC assessment was not included within the scope of work selected for this engagement.

Compliance

A compliance review was not undertaken as an element of the current scope of work.

This report section does not include all relevant information presented within the full report text and its attachments, which formed professional Opinion as summarized herein. Therefore, the assessment report should be considered by the reader in its entirety.

2.0 SCOPE & PURPOSE

Mr. Ben Mingle, Executive Vice President with The Centurion Foundation, Inc. ("Centurion"), defined as the "User" for purposes of this Practice, authorized TGE to perform a Phase I ESA of CF Federal Way LLC, aka Federal Way Emergency Center located at 29805 Pacific Highway South in Federal Way, King County, Washington, pursuant to ASTM Standard Practice for ESAs (E1527-13), and in accordance with USEPA Standards and Practices for AAI published on April 15, 2013 with an effective date of November 1, 2006 (and as amended August 15, 2013). The User is the party seeking to make use of ASTM Practice E1527-13 to complete an ESA of the Property. The User has specific obligations in successful application of this Practice, as defined per the Standard; while the User is also afforded exclusive "User Reliance" (unless otherwise specified herein) with respect to this report's Findings, Opinion, Conclusions and Recommendations (if any).

2.1 Purpose/Objectives

The purpose of the assessment is to satisfy AAI *"into the previous ownership and uses of the Property consistent with good commercial and customary practice"* and to identify "RECs", "HRECs", "CRECs", *and "de minimis conditions"* (if any) in connection with the commercial real estate, "Site" or "Property". Once AAI is complete, the User may satisfy requirements to qualify for one of the four (4) "Affirmative Defenses to CERCLA" (or Superfund) liability: "*Third Party*", *"Innocent Landowner"*, *"Contiguous Property Owner"*, or *"Bona Fide Prospective Purchaser"* (hereinafter, known as the *"Landowner Liability Protections"* or "LLPs"). This Practice, constituting AAI is defined within 42 United States Code (USC) §9601(35) (B). Given coordinated efforts between drafters of this Federal statute and those involved in drafting and executing industry practice through a recognized standard (ASTM), compliant/complete use of ASTM E1527-13 fulfills the necessary standard of care, unless otherwise stated herein by the Environmental Professional (EP). For reference, definitions for REC, HREC, CREC and a *de minimis* condition, as taken from these relevant sources are provided below.

- A REC is *"the presence or likely presence of any hazardous substances or petroleum products in, on, or at a Property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not [RECs]."*

- A HREC is *"a past release of any hazardous substances or petroleum products that has occurred in connection with the Property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the Property to any required controls."*

- A CREC results *"from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, Property use restrictions, activity and use limitations, institutional controls, or engineering controls)."*

- A *de minimis* condition *"generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies."*

2.2 Scope of Services

Per the Practice, the ESA shall have four components as follows:

- Records Review;
- Site Reconnaissance;
- Interviews; and
- Evaluation (Report).

TGE was engaged by its Client in accordance with its duly executed/authorized agreement (TGE Project No. R14196.01) and in compliance with TGE-provided Contract Terms.

2.3 Additional and NSC Services

This Practice does not include sampling or testing of materials (i.e. soil, water, air, or building materials). Such testing would only be conducted as "Additional Services"; if included herein, results of such work would be incorporated into Section 9.0 of this report. Additionally, and only if specifically directed to do so by Client/User, TGE investigated the Property for certain NSCs that are not considered in the CERCLA definition of hazardous substances (42 USC § 9601.14) nor specifically required per the Practice. If performed, a summary of NSC assessment is found within Section 8.0 of this report.

2.4 Significant Assumptions

This assessment was prepared for Property as described within Section 3.0 of this ESA and, as such, meets the definition of "Site Specific" per ASTM E1527-13 (4.2.3). Moreover, execution of this Practice assumes that no environmental assessment can "*truly eliminate uncertainty*" regarding the potential for RECs in connection with the Property, is not exhaustive, and recognizes "*that the level of inquiry is variable*." Finally, this Practice and the resulting report assumes application of ASTM "Principles" as an integral part of the engagement, which includes (but is not necessarily limited to) the EP exercising discretion and judgment with respect to the work.

2.5 Reliance

This report is intended for the sole use and reliance of the specified "User" () who engaged TGE to prepare this report for the lender UMB Bank, N.A., as Trustee of the MultiCare CF Federal Way LLC Pass-Through Trust, its successors and assigns and any holder of a beneficial interest in any loan secured by the subject property for which reliance letters will be issued separately. The scope of services performed may not be appropriate to satisfy the needs of additional parties. Any unauthorized use or reuse of report Findings, Opinion, Conclusions, or Recommendations (if any) is prohibited and at the risk of said party.

2.6 User Provided Information

To effectively implement this Practice, the "User" is endowed with certain responsibilities. The User is defined (in part) as the party seeking to use Practice E1527-13 to complete an environmental assessment of the Property. User responsibilities include communication with the EP (in discussion and interview via a questionnaire). To the extent information is actually known by or available, the User was to be asked the following prior to Site reconnaissance.

- Actual knowledge and proof (by copy) of any judicial records for environmental liens or activity and use limitations (AULs) encumbering the Property;
- specialized knowledge or experience material to RECs at the Property or in connection with the Property;
- if applicable, the reason for a significantly lower purchase price due to environmental factors as compared to its fair market value;
- commonly known or reasonably ascertainable information within the local community material to RECs in connection with the Property;

- knowledge as to the presence or likely presence of releases to the Property and whether obvious; and
- the reason for conducting the assessment.

User Questionnaire (E1527-13 Compliant)		
Name and Relation to Property	**Date Provided by TGE**	**Date Returned to TGE**
Mr. Ben Mingle, Executive Vice President / User	June 3, 2020	June 5, 2020

As received (if applicable), a completed copy of the User Questionnaire is included in Appendix A of this report. In the event the User was not knowledgeable of the Site and/or declined (or was unable) to complete the User Questionnaire, TGE may have provided the form (in whole or in part) to certain Non-Users; or persons with "actual knowledge" of the Property in order to obtain Site history, to access helpful documents, and/or to gain other useful information in connection with the Site, if any.

2.6.1 Helpful Documents Obtained/Facilitated by User/Owner

Also as specified within the User Questionnaire, and prior to Site reconnaissance, TGE requested the following list of helpful documents (via the proposed scope of work as authorized by User). If documents were received from Client/User as requested, such documents are referenced with Section 4.0 (if applicable) and provided within Appendix A of this report:

- Prior ESA Reports;
- Environmental Compliance Audit Reports;
- Environmental Permits;
- Registrations for Tanks (Above and Underground);
- Registrations for Underground Injection Systems;
- Safety Data Sheets (SDSs);
- Community Right-to-Know Plan;
- Safety Plans (Spill Prevention, Control and Countermeasure [SPCC], Facility Response and Contingency);
- Reports Regarding Hydrogeologic Conditions on the Property or Surrounding Area;
- Notices or Correspondence from any Local, State or Federal Agency Relating to Past or Current Violations of Environmental Laws Respecting the Property (or Related to Environmental Matters or Liens);
- Hazardous Waste Generator Notices or Reports;
- Geotechnical Studies;
- Risk Assessments;
- Recorded AULs;
- Knowledge of (and documents to support) any Pending, Threatened or Past Litigation Relevant to Hazardous Substances or Petroleum Products in, on or from the Property;
- Knowledge of (and any documents to support) any Pending, Threatened or Past Administrative Proceedings Relevant to Hazardous Substances or Petroleum Products in, on or from the Property; and
- Knowledge of (and any documents to support) any Notices from any Governmental Entity Regarding any Possible Violation of Environmental Laws or Possible Liability Relating to Hazardous Materials or Petroleum Products.

2.6.2 Prior Assessment Usage

In an effort to avoid undertaking duplicative assessment procedures, information included within prior ESAs (if any), may have been utilized by TGE (and summarized herein) provided that such information was generated as a result of procedures that met or exceeded requirements of this Practice; and determined changes and/or update to operations reported within the previous reports (if any).

2.6.3 Summary of Environmental Investigations and Current Status

Following is a summary of due diligence and Property characterization assessments prepared by TGE on behalf of MHS as anticipated occupant of the Site; and as filing entity respecting compliance requirements pertaining to corrective action and proactive measures to ensure a safe environment for the facility and its occupants. It is TGE's understanding that MHS has provided Centurion (Client) access to existing environmental documents (for review only) in advance of the current ESA being engaged. The title of each formal MHS-engaged document, the date of submittal of each document to MHS, and a summary of the overall outcome of each document (in general) is provided below. Listed documents (as well as supporting construction-related records) can be made available to Centurion and its representatives by MHS upon request; these documents are not attached to the current report.

- **Phase I Environmental Site Assessment** (August 17, 2017)
  Purpose: Pre-purchase due diligence
  Outcome: Current/historic land use concern due to past Site and near property use under conditions indicative of a past release of hazardous substances and/or petroleum products to the Property; asbestos/hazardous materials presence; and significant fill material and debris at the surface and subsurface.
- **Limited Phase II Environmental Site Assessment** (September 12, 2017)
  Purpose: Pre-purchase due diligence
  Outcome: Elevated soil vapor concentrations confirmed within the proposed (new) building slab area.
- **Supplemental Phase II Environmental Site Assessment** (November 8, 2017)
  Purpose: Pre-purchase due diligence
  Outcome: Identified relatively minor levels of petroleum hydrocarbon in Site soil and the presence of fill material (of unspecified origin) within the proposed Site redevelopment area.
- **Limited Phase II ESA Oversight & Split Sampling Event** (September 21, 2018)
  Purpose: Pre-acquisition due diligence
  Outcome: Local soil characterization oversight and split sampling soil assessment within former service bays (adjacent to sumps) and soil vapor assessment along the margins of the Property (confirmed release from "on-site auto repair/service facility")
- **Soil Management Plan** (February 17, 2020)
  Purpose: Pre-construction Protective Measure
  Outcome: Key requirements and operating procedures/control measures (as necessary during pre-construction earthwork and surface remediation) were summarized; documentation as required for waste management and recordkeeping was included in this document.
- **Release Notification** (March 3, 2020)
  Purpose: Post-acquisition compliance notice of release
  Outcome: Ecology properly notified of a release of hazardous substances to the environment - shallow soil and soil vapor.
- **Final Vapor Barrier Plans** (November 14, 2019)
  Purpose: Pre-construction protective measure
  Outcome: Soil Vapor Intrusion Mitigation System (VIMS) plans designed/submitted for implementation/construction during new Site development.
- **Pre-Demolition Asbestos Survey** (December 23, 2019)
  Purpose: Post-acquisition compliance
  Outcome: Asbestos identified within select caulking, wall components/textured materials, ceiling texture, and roofing.
- **Asbestos Abatement Project Management** (March 30, 2020)
  Purpose: Pre-demolition compliance
  Outcome: Oversight and monitoring of abatement by removal of identified asbestos-containing building materials (and proper disposal of regulated materials/chemicals) in compliance with applicable federal, state, and local regulations prior to building demolition.
- **Ecology VCP Acceptance** (May 14, 2020)
  Purpose: Post-acquisition Compliance
  Outcome: Ecology acceptance of a VCP Application for the Property; Assigned Facility/Site No. 7222592 and VCP Project No. NW3270.

As of the date of the current report, the environmental "status" of the Site is as follows:

- All regulated asbestos-containing materials and any otherwise regulated materials found in connection with the Site's prior use (a fueling station and equipment/auto repair facility) have been removed/abated and properly disposed of by contractors engaged by MHS. Relevant asbestos abatement, waste disposal, and demolition-specific documents will be provided by MHS upon request.
- With discovery of impact to surface/shallow soil and elevated VOCs in soil vapor, notification of a historic release was provided to Ecology for subsequent Site entry into the VCP for regulatory oversight and remedial action.
- Environmentally impacted soil was excavated/removed and properly disposed (Sub-Title D landfill) during Site redevelopment, with the exception of a relatively minor section of arsenic impact to surface soil along the northwest property boundary. Excavation/removal of soil in this area was deemed technically impracticable due to contingent risk of advancing soil removal undermining the contiguous public roadway (16th Avenue South).
- At the time of utility installation for the new hospital, an area of previously buried fill material with apparent demolition debris (which proved to contain asbestos-containing waste) was found within the southeastern portion of the Property. Removal of this material was accomplished only as necessary to install the sewer line; as such, some asbestos contaminated soil was likely abandoned in place. The Department of Ecology was informed; with no agency interest in the matter. Relevant assessment, remedial action, and waste disposal documentation may be provided by MHS upon request.
- VIMS system was being installed at the time of Site reconnaissance by the new development's General Contractor (Anderson Construction) under compliance inspection by the design engineer of record. Once VIMS installation is complete, construction of the new hospital will ensue. Post construction quarterly VIMS soil gas testing will begin upon notice of completion being received by TGE from Anderson; and following a period of post-construction "system off gassing". VIMS compliance testing will continue for a minimum of four (4) quarters (one full year) thereafter; a final annual (consolidated) VIMS performance report will be prepared and submitted to MHS (and the Department of Ecology) upon confirmatory (passed) performance testing and P.E. of record report execution.

3.0 SITE DESCRIPTION

Information included within this report Section was obtained from certain publically available sources only as pertaining to the Site and its general vicinity characteristics. Relevant Appraisal District records are contained within Appendix A of this report and a current topographic map depicting the general Site location is presented as Figure 1. Property boundaries have been diagrammatically estimated upon Figure 2 and details shown on Figure 3.

3.1 Location and Legal Description

Site Location				
Site Location	Address	29805 Pacific Highway South, Federal Way, King County, Washington.		
	Relative Location	Located at the southwest corner (SWC) of the intersection of Pacific Highway South and South Dash Point Road.		
Geographic Location	Longitude	122.3127	Latitude	47.3352
Legal Description	*"PCL A FEDERAL WAY BLA # 18-102608-00-SU REC # 20190419900003 SD BLA BEING POR SW 1/4 OF NW 1/4 OF SW 1/4 STR 04-21-04."*			
Survey/Plat Map	While an official survey/plat map was not provided to TGE, a plan depicting future Site features/development was provided to TGE and is included within Appendix A.			

3.2 Site and Vicinity General Characteristics

The Site is located within a combined mixed-use, commercial/residential area situated in north Federal Way, King County, Washington. Per Federal Way zoning information reviewed online, the Site is positioned within an area designated as "community business (BC)". Per City Code (19.220.070), hospital facilities, convalescent centers, and/or nursing homes are allowed in this zone subject to specific design and construction requirements.

3.3 Current Uses of the Property

The Property is currently under construction as commercial real estate (health care facility) and operated as Federal Way Emergency Center. North American Industry Classification System (NAICS) and/or Standard Industrial Classification (SIC) codes that Site operations employ were not provided by the User and/or current occupant for this non-industrial use Property.

Further information as related to Property use and observations is included within later sections of this report.

3.4 Descriptions of Roads, Structures, Other Improvements and Utilities

3.4.1 Roads

Public thoroughfares on the Property, as well as adjoining the Site (roads, streets and parking facilities) at the time of the assessment were recorded as follows:

Direction	Roads, Streets and Parking Facilities
Site	N/A
North	South Dash Point Road
East	Pacific Highway South
South	N/A
West	16th Avenue South

3.4.2 Site Structures and Other Improvements

Site details/improvements described within CAD information were removed from the Property in March 2020; however, the Property as observed at the time of Site reconnaissance is detailed in the table below.

Address	Acres (Square Feet)	Improvements	Approx. Square Footage	Construction Date	Description
29805 Pacific Highway South	1.71 (74,343)	Currently under construction	N/A	N/A	N/A

4.0 USER PROVIDED RESPONSE

4.1 Helpful Documents

The following list of documents, responsive to TGE's request for information, were (or were not) provided or facilitated to TGE by User or Site occupant as detailed below. Provided documents (if any and as pertinent) are discussed within other report sections. While no technical documents were provided to TGE by Client, as summarized within Section 2.6.2, it is TGE's understanding that MHS has provided Centurion (Client) access to certain MHS-owned documents in advance of the current ESA being engaged; as such, certain line items are checked below to reflect Client use of such work products.

Type of Helpful Document	Provided by User (✔ if Yes)
Prior ESA Reports	✔
Environmental Compliance Audit Reports	–
Environmental Permits	✔
Registrations for Tanks (Above and Underground)	–
Registrations for Underground Injection Systems	–
Safety Data Sheets (SDSs)	–
Community Right-to-Know Plan	–
Safety Plans	✔
Reports Regarding Hydrogeologic Conditions on the Property or Surrounding Area	–
Notices or Correspondence	–
Hazardous Waste Generator Notices or Reports	–
Geotechnical Studies	–
Risk Assessments	–
Recorded AULs	–
Knowledge of (and documents to support) any Pending, Threatened or Past Litigation	–
Knowledge of (and any documents to support) any Pending, Threatened or Past Administrative Proceedings	–
Knowledge of (and any documents to support) any Notices from any Governmental Entity	–
Other Pertinent Information	✔

4.2 Environmental Liens or AULs

The User did not make an environmental lien search available to support this Practice; therefore, per the Client scope-of-work, TGE obtained a lien search, which was conducted by EDR (Shelton, Connecticut) to determine the presence of environmental liens and/or AULs that may have been filed against the Property. The search included transactions filed in King County, effective June 5, 2020. Environmental liens, encumbrances, or activity and use limitations were not found in records reviewed. A copy of the environmental lien search is included in Appendix A of this report.

4.3 Specialized Knowledge

User did not provide information pertaining to specialized knowledge or experience related to the Property or nearby commercial real estate.

4.4 Valuation Reduction for Environmental Issues

User did not provide information pertaining to the purchase price for this Property (if applicable) that reasonably reflects less than the fair market value of the Property; nor did the User provide information pertaining to knowledge of a lower purchase price because of known hazardous substances or petroleum products in connection with the Property.

4.5 Commonly Known or Reasonably Ascertainable Information

User did not provide information pertaining to commonly known or reasonably ascertainable information in connection with the Property that assisted TGE in identifying conditions indicative of the presence of hazardous substances or petroleum products in connection with threatened releases such as past uses or chemical spills in connection with the Property; or any environmental clean-ups that have taken place at the Property.

4.6 Degree of Obviousness

User did not provide information pertaining to obvious indicators that pointed to the presence or likely presence of hazardous substances or petroleum products at the Property.

4.7 Owner, Property Manager, and Occupant Information

4.7.1 Property Owner

Per title records, appraisal district information and/or publically available information, the Property owner of the Site subject to this ESA at the time of the assessment was “Niklexi LLC.”

4.7.2 Property Manager

Not applicable to this assessment.

4.7.3 Occupant Information

The Property was occupied by representatives of MHS (Anderson Construction) and was under construction for the development of a free-standing emergency hospital.

4.8 Reason for Performing Phase I

This ESA was performed in connection with a Client-driven requirement to evaluate the environmental condition of the Property prior to transfer of ground lease to Client (and lease back to MHS as occupant).

5.0 RECORDS REVIEW

Standard Federal, State and Tribal Environmental Record Sources were reviewed pursuant to Approximate Minimum Search Distances ("AMSDs") as prescribed in this Practice. The complete database report obtained from Environmental Data Resources, Inc. (EDR), as summarized in this section, is presented in Appendix B ("Regulatory Listings") of this report. Regulatory records were reviewed to determine if the Site or any facility within the AMSDs are, or have been, subject to regulatory action by agencies relevant to the Practice. The EDR list of "Orphan/Unmappable Sites" was also reviewed; these are locations that have poor or inadequate address information yet were "mapped" within the AMSD.

With regard to Findings and subsequent Opinion rendered herein (Section 11) with respect to Regulatory Database Listings summarized below, TGE evaluated and considered the materiality of each listing to the analysis of RECs in connection with the Property. TGE's judgment is based on the analysis of Site and area-specific features and characteristics (i.e. topography, hydrogeology, distance of a listing from the Site, etc.), as well as an analysis of potential and/or known chemicals of concern (and associated chemical properties) with respect to the Site. Regulatory listings representative of "Findings" for purposes of this assessment, if any, are identified in Section 11 of this report.

5.1 Standard and Additional Environmental Record Sources (Federal, State and Local)

"Standard environmental record" databases, as well as additional record sources to enhance/supplement the standard environmental record sources, were researched for Federal, State, Tribal and Local listed facilities. This report section includes multiple acronyms that are specified and described within Acronyms/Abbreviations and/or Definitions (Section 15.0) of this report.

5.1.1 Federal, State, Tribal and Local Agency Records Review

The following is a summary of Federal and State, as well as tribal/local listed facilities within Standard AMSDs, unless otherwise noted.

Record Source	Target Property (TP) & AMSD(1)	No. of Fac. Listed	TP	AP	Record Source	TP & AMSD(1)	No. of Fac. Listed	TP	AP
			✔ if "Listed"					✔ if "Listed"	
Standard Federal Agency Review					**Standard State & Tribal Agency Review**				
NPL	1.0	0	—	—	State NPL (Superfund)	1.0	0	—	—
Delisted NPL	0.5	0	—	—					
SEMS(2)	0.5	0	—	—	State CERCLIS(6)	0.5	11	✔	✔
SEMSEARCH(3)	0.5	0	—	—	Landfill/SWD(7)	0.5	1	—	—
RCRA CORRACTS	1.0	0	—	—	LUST/LPST(8)	0.5	3	✔	—
RCRA Non-CORRACTS TSD	0.5	0	—	—	USTs/PSTs/ASTs	TP/AP	2	✔	✔
RCRA Generators(4)	TP/AP*	1	—	—	State IC/EC	TP/AP	0	—	—
IC/EC(5) Registry	TP/AP	0	—	—	VCP	0.5	2	✔	✔
ERNS	TP	0	—	—	Brownfields	0.5	0	—	—
Additional Environmental Records									
Closed Landfills(9)	TP/AP	0	—	—	Spills	TP/AP	0	—	—
DCR/DCRP	0.25	0	—	—	P/IHW(11)	TP/AP	0	—	—
HIST/GCC(10)	TP/AP	0	—	—	IOP	TP/AP	0	—	—
MSD	TP/AP	0	—	—	All Sites(12)	TP/AP	3	✔	✔

*AP = Adjoining Property
(1) AMSD is listed as measured from the nearest Property boundary.
(2) SEMS: Superfund Enterprise Management System (formerly known as CERCLIS).
(3) SEMSARCH: Superfund Enterprise Management System (CERCLIS) Archived Inventory
(4) Includes RCRA LQGs, RCRA SQGs, VSQGs and RCRA NGs.
(5) Engineering Controls
(6) Includes Industrial Hazardous Waste (IHW) Corrective Action facilities and CSCSL Sites.
(7) Solid Waste Disposal facility
(8) Listing of a "LUST/LPST" facility and summary herein does not necessarily indicate that the current or previous tank system(s) are understood to "leak" at this time. Once a LUST/LPST designation is assigned for any particular facility that designation remains associated with the real property address, regardless of whether the case file has been "closed" or remains in process.
(9) A copy of a Closed Landfill Inventory Map is provided in Appendix C of this report.
(10) Historic Groundwater Contamination Cases (GCC) and GCCs.
(11) Permitted Industrial Hazardous Waste facilities and non-permitted Industrial Hazardous Waste facilities.
(12) Washington's AllSites database is a compilation of data on all the state and delegated federal remediation programs operated by the Washington State Department of Ecology.

5.1.2 Summary of Federal and State Regulatory Records

Following review of Standard/Additional Environmental Record Sources, the following businesses or commercial real estate locations (if any) have been determined material to the conduct of this investigation. If material to this Practice, further summary is provided herein (as determined available) within Section 5.1.3, Regulatory Agency File Review. Additional facilities listed within the prescribed AMSD (determined not to be pertinent Federal and State-listed facilities), as well as associated property details, can be reviewed in Appendix B.

Relative Location	Facility Name & Address	Distance & Topographic Gradient Relative to Property		Regulatory Listing (ID)	Discussion
		Distance(1) (feet)	Topo. Gradient		
Site	Rental Marts 29805 Pacific Highway South	N/A		UST (6523)	**USTs**: Four USTs (contents not reported) capacity not specified; yet reported to be between 111 to 1,100 gallons. **Installation Date**: 1964 **Status**: Two USTs removed from the ground (1996) and two USTs closed in place (1996).
				RGA LUST (4709)/ICR	**Details:** "Petroleum products" **Status:** Final Cleanup Report (June 1994)
				VCP/CSCSL (5427)	**Details:** Petroleum-Diesel/Other reported in excess of cleanup levels **Status:** No further action required (2001), which was rescinded by WA Ecology on May 14, 2020
				FINDS (110015540388)/ AllSites (7222592)	**Registration Type:** UST, LUST, VCP

Relative Location	Facility Name & Address	Distance & Topographic Gradient Relative to Property		Regulatory Listing (ID)	Discussion
		Distance[(1)] (feet)	Topo. Gradient		
Site	Federal Way Off-Campus Emergency Care Center 29805 Pacific Highway South	N/A		LUST (2998)	**Details**: Petroleum Diesel/Petroleum other confirmed above clean up levels **Installation Date**: Release date August 1993 **Status**: NFA Voluntary Cleanup Program, May 2001, which was rescinded by WA Ecology on May 14, 2020
				CSCSL NFA (5427)	
				AllSites (7222592)	**Registration:** UST, LUST, ISIS
				ASBESTOS (1593130402)	**Classification:** Initial notice for abatement of popcorn ceiling and wall texture **Status:** Active; however per an Asbestos Abatement Report by TGE dated March 30, 2020 for the Site documents abatement activities are complete for the former Site structure(s).
				NPDES (WAR-307638)	**Facility Type**: Construction SW GP **Permit Status**: Active **Effective Date**: 03/06/2019 **Permit Expiration Date**: 12/31/2020
North	Shell/Jumps Union/FW Shell & Deli Mart/Unocal 29625 Pacific Highway South	160	Down	UST (8504)	**Historic USTs:** Three USTs (contents not reported) capacity not specified; yet reported to be between 111 to 1,100 gallons. **Installation Date:** Not reported. **Status:** Removed from the ground (1999). **Current USTs:** Three double-walled tanks and lines (contents not reported); capacity reported to be between 10,000 to 19,999 gallons. **Installation Date:** 1995 **Status**: Operational
				ICR	**Details:** Interim clean up report for soil contaminated with petroleum products (January 1991)
				VCP (6688)	**Contaminants:** Lead; petroleum products (gasoline, diesel, other) **Completion:** No further action required (January 2006)

Relative Location	Facility Name & Address	Distance & Topographic Gradient Relative to Property		Regulatory Listing (ID)	Discussion
		Distance[1] (feet)	Topo. Gradient		
North	Shell/Jumps Union/FW Shell & Deli Mart/Unocal 29625 Pacific Highway South	160	Down	LUST (6688)	**Details**: Petroleum gasoline/Petroleum other confirmed above clean up levels in soil; groundwater reported below cleanup levels **Installation Date**: Release date November 1989 **Status**: NFA Voluntary Cleanup Program, January 2006
				CSCSL (6688)	
				AllSites (79813564)	**Registration:** UST, ISIS, LUST, Hazwaste (EPCRA)
				ICIS/ECHO (110015415139)	**Enforcement Type:** RCRA for UST **Action:** Administrative-formal/compliance activity **Date:** 2009
	Jump S Union 29625 S Pacific Highway	160	Down	EDR Hist Auto	**Status:** Inactive (Automotive repair); active (gasoline service station) **Details:** Gasoline service stations/General automotive repair **Installation Date:** From at least 1971 through at least 2014
	Sacajawea Healthcare for Pets 1530 S Dash Point Road	235	Down	AllSites (18602)	**Registration:** Hazwaste
Northwest	Marine Hill Cleaner's 1520 Dash Point Road	400	Down	EDR Hist Cleaner	**Status:** Inactive **Details:** Dry cleaning plants, except rugs, NEC **Installation Date:** From at least 2001 through at least 2014
East	Not Listed	N/A	N/A	N/A	N/A
South	Not Listed	N/A	N/A	N/A	N/A
West	Redondo Oil Pit King County 16th Ave South & Sw Dash	Adjoining	Cross to Down	AllSites/ CSCSL (2200)	**Contaminants:** Petroleum Products-Unspecified and Polycyclic Aromatic Hydrocarbons **Status:** Awaiting cleanup; State Cleanup Site
				SEMS-ARCHIVE (WAD981771561)	**Status:** NFRAP-Site does not qualify for the NPL based on existing information (Archived site) **Start Date:** October 1988 **Finish Date:** July 1991

1) Assumes adjoining land unless otherwise noted and indicates approximate operational distance from the Site boundary.

5.1.3 Regulatory Agency File Review

Although the Site or adjoining facility/land were identified within one or more of the standard environmental records sources, purchase/access of additional agency file materials (beyond that summarized herein) was not necessary in TGE's professional opinion; nor likely to prove useful in execution of this Practice. Files acquired from the WA Department of Ecology are provided in Appendix F of this report.

Site

Site files provided by the WA Department of Ecology was specifically limited to a UST Removal Report dated July 26, 1993 (prepared by Hazcon) for the "Rental Mart" facility for the benefit of The Bank of California; a Phase II ESA dated February 21, 2001 (prepared by ATC) of the "29805 Pacific Highway South" property for the benefit of Union Bank of California; an Underground Storage Tank Site Assessment report dated February 16, 2001 (prepared by ATC) for the "Ruth Evans Trust Site" for the benefit of Union Bank; a Phase I ESA dated June 13, 2000 (prepared by Kleinfelder) for "Vacant Commercial Property" for the benefit of Union Bank of California; and a UST Tank Removal Report dated March 1993 (prepared by Nowicki & Associates, Inc.[NAI]) for "Federal Way Rental Mart" for the benefit of the Bank of California.

Based on the NAI report (1993), the Property was in operation as "Rental Mart"; wherein a historic "tire shop" was reported on the property "facing Pacific Highway". One 5,000-gallon gasoline UST and dispenser were said to have been removed from the Property (February 9, 1993) from the former "demolished structure" (reportedly adjoining a septic tank). A concrete pad and abandoned piping were also observed in this area; however, NAI determined this equipment to be associated with a "UST which had been removed many years ago". Soil with gasoline odor was reportedly observed along the west side of the tank. Upon removal of the tank and dispenser, five soil samples collected from the excavation were reportedly analyzed for gasoline range TPH and BTEX. Concentrations of gasoline range TPH were found in stockpiled soils from 203 mg/kg to 1,050 mg/kg. However, samples collected from the excavation did not report COCs above method detection limits. Lead analysis was also performed for stockpiled soils, with concentrations reported below regulatory action levels. Confirmation of removal of stockpiled soils was not provided within the closure report. Groundwater was reportedly "not encountered" during excavations.

Based on the Hazcon report (July 26, 1993), Rental Mart reportedly operated with a 500-gallon diesel UST and dispenser (positioned north of the subject building) that was installed between the 1960s and the early 1970s. The UST, piping and dispenser/island, were reportedly removed from the ground on June 25, 1993. Four soil samples (SW-1 to SW-4) were reportedly collected (one from each of the sidewalls); one from the pit floor (B1); and three from the stockpiled soils. Two of the sidewall soil samples and all three stockpile samples were reportedly "composited" for laboratory analysis. Soil samples analyzed for diesel range TPH found concentrations from below method detection limits to 140 mg/kg (SW-4), which was said to have been below applicable MTCA Method A Soil Cleanup Levels (200 mg/kg). Concentrations of diesel range TPH in stockpiled soil was found at 490 mg/kg, and stockpiled soils were removed off-Site as "Class III waste". The terminal depth of excavation was reportedly eight feet below the ground surface and groundwater was not encountered.

Per the Phase I ESA prepared by Kleinfelder (June 13, 2000), portions of the Property were developed with a gasoline service station/restaurant that operated within the eastern Site limits from the 1920s to 1960s; however, information was not known specific to potential historic USTs (which may have been installed pre-registration mandate) on the Site. The subject building was reportedly constructed in 1970 and was utilized as a Rental Mart (later known as "40-Rentals") from initial construction until business closure in the late 1990s. At the time Kleinfelder's Phase I ESA inspection, several 55-gallon drums of used oil, and significant petroleum staining on concrete was observed around referenced drums and within service bays; and also four sumps were observed, which reportedly discharged to "the storm drain system". Although several off-Site sources of potential contamination were detailed within the Site vicinity, Kleinfelder determined that "none of the identified sites are likely to have impacted the site" and that given Senate Bill 7900 "a site that overlies a plume of contaminated groundwater is not strictly liable for that contamination"; "area-wide" cleanup liability was not identified. However, given site findings the following recommendations were provided in the 2000 Phase I ESA:

- *"Require the recent property tenant to remove and dispose of drums of waste oil and paints remaining on the subject property in accordance with applicable local, state and federal regulations;*
- *Complete a geophysical survey of the site in order to further assess the presence of USTs or septic tanks that may be present from the former gasoline station;*
- *Complete subsurface soil and possibly groundwater sampling in the areas adjacent to the two collection sumps located within the on-Site structure, in the location of the former gasoline and diesel tanks removed in 1993, and in the location of the pump dispenser collated at the former gasoline station; and*
- *Contract a utility locating firm to confirm that the sumps are connected to the storm water system."*

Per regulatory information reviewed, the King County Redondo Oil Pit was determined to be 0.03 miles west of the subject property (current location of Sacajawea Park) and was determined to be "hydraulically cross-gradient" from the Site. Per Kleinfelder's review of historic resources, adjoining land west historically operated with "quarry activity" from the 1930s until developed as a park in the 1960s (reported location of the Redondo Oil Pit).

Suspected asbestos containing materials (popcorn ceiling texture, color tile, and interior wallboard) were observed by Kleinfelder to be in "good condition" and an asbestos survey was recommended prior to redevelopment and/or demolition. In addition, lead-based paint was suspected given the apparent age of the Site building.

In consideration of findings of the 2000 Phase I ESA, a Phase II subsurface investigation was performed by ATC. The Phase II included performance of a geophysical survey on September 19, 2000, which identified three anomalies within the Property. Anomaly #1 (approximately 50 feet north of the northeast corner of the subject building); anomaly #2 thought to be potential piping associated with a previously reported septic tank (along the eastern Site limits); and anomaly #3 (along the northwest Site limits) was thought to be a potential UST. Additionally, the sump drainage system was "confirmed" and demarcated. The three anomalous areas were excavated and metal auto parts (5 to 8 feet below grade) were found in areas 1 and 3; and one UST was found in area 2. Following the geophysical survey, ten soil borings (B-1 to B-10) were advanced (between 4 to 16 feet below grade) throughout the Property as follows: in areas of suspect former tankholds; at the location of a suspect former septic system; at an asphalt-patched area; near Site sumps; and within the area of former drum storage. Soil samples were collected and analyzed for either diesel range TPH, gasoline range TPH, VOCs, metals, total lead or a combination thereof. The subsurface soil profile (to a depth of 16 feet below grade) was determined to be "non-native fill material", given the observed presence of demolition debris (concrete, car parts, tires, and wood) in the boreholes. Based on analytical results reported, referenced COCs were not found in soil above method detection limits; or if found, concentrations were reported below regulatory action levels for MTCA Method A (unrestricted use). Given findings of the referenced Phase II, ATC recommended removal/closure of the 750-gallon UST.

A UST was discovered during the 2000 Phase II and ATC mobilized to the Property to perform tank removal activities; however, upon excavation of the 750-gallon UST (referenced as T-1), two additional USTs (referenced as T-2 and T-3) were discovered near the former fueling station. Capacities of the tanks were reported to be between 300 to 750-gallons (a discrepancy in capacities was noted in the report). Additionally, a buried "basement" portion of the former service station building (thought to be an auto repair area) was found filled with "concrete debris, trash and imported fill". Referenced materials, along with tires and a septic system were reportedly removed from the ground during excavation. Additionally, several buried pipes were encountered at depths of approximately 14 to 17 feet below the ground surface (exact configuration and use of this piping was unknown). A petroleum "sludge" was observed on concrete associated with the former service station basement and the concrete (and presumably sludge) was removed from the ground. Following excavation, soil samples were collected and additional excavations were reportedly conducted until confirmation soil samples were reported below MTCA regulatory thresholds for petroleum hydrocarbons. Contaminated material was reportedly removed for off-Site disposal. Excavations were said to have been backfilled with "screened pit run and gravel" and "non-impacted soil" from the UST removal project. Groundwater was determined to be greater than 45 feet below the ground surface; however, during excavation, a "seasonal perched zone" was said to be encountered between 14 to 16 feet below the ground surface.

As related to excavation/removal associated with the historic Site fueling/service station, the Property was entered into the State VCP program. A letter from the WA Department of Ecology dated May 17, 2001 stated that “no further action” was required to achieve UST case closures. Additionally, the Site LUST listing was said to be closed.

Refer to Section 2.6.3 for a complete summary of remediation activities performed at the Site.

Adjoining Land North

Per file information received/reviewed as available from the WA Department of Ecology, adjoining land north was historically developed with a store and two sheds/garages prior to 1936; and redeveloped as a UNOCAL fueling station in the late 1960s/early 1970s. Steel tanks associated with UNOCAL were replaced with “composite” tanks in 1989. Historic USTs were reportedly said removed in 1989 and 1990/1991 and a petroleum hydrocarbon release impacting soil beneath the USTs and former automotive repair facility was reported to the State. Three new USTs were installed within adjoining land north in 1995 (current tank systems) and are currently operating as a Shell (branded) station.

Per a Report of Remedial Actions dated April 10, 1991, a used oil tank and two gasoline USTs were removed from this adjoining land in 1990 along with product piping, dispensers, and a vapor well point. Over-excavation of soil was performed in connection with local contamination from the used oil tank; and soil samples did not contain petroleum hydrocarbon or gasoline constituents above method detection limits or regulatory action levels. Stockpiled soils were said to have been removed for off-site disposal.

A Limited Phase II was performed within adjoining land north in 2001 to assess the current tank system. Soil borings were advanced within adjoining land north between 5 to 18 feet below the ground surface. One boring was reportedly advanced to 30 feet below grade; however, groundwater was not encountered. Soil samples collected were said to be analyzed for gasoline range TPH and BTEX; yet these COCs were not found in soil above method detection limits; or, if found such COCs were reported below applicable regulatory thresholds. Based on results of the Limited Phase II, a new release was not determined to have occurred. Groundwater was reportedly not encountered in any of the borings within adjoining land north (the greatest depth of investigation was 33 feet below the ground surface). However, based on regional hydrology, the direction of groundwater flow was presumed to trend in a northwest direction.

A report dated 2005 summarized previous efforts and requested closure of the tanks and LUST case from the State under the VCP program. Per a letter from the WA Department of Ecology dated January 28, 2006, closure concurrence was received and “no further action” was required for this specific request. The LUST case was reportedly removed from the state’s active database.

5.1.4 Pipeline and Hazardous Materials Safety Administration (PHMSA)

A “plot map” indicating the location of all recorded wells and pipelines was obtained for the Site (and immediately surrounding areas) from the Pipeline and Hazardous Materials Safety Administration (PHMSA). As represented within the map, historical/current oil or gas exploration and/or pipelines were not identified on-Site, abutting the Site limits, or on immediately surrounding properties, unless otherwise tabulated below.

5.1.5 User/Occupant Provided Information

The following is a discussion/summary of pertinent documents as provided to TGE for review. Copies of these reports/documents are included within Appendix A or have been provided to Owner under separate cover (with reference of such delivery and the method used provided in Appendix A).

Document Name	Information and/or Discussion/Summary of Relevant Environmental Conditions & Findings
Other	
A building floorplan (originally dated March 2018) was provided to document intended Site use and development; included within Appendix A.	

Document Name	Information and/or Discussion/Summary of Relevant Environmental Conditions & Findings
A grading plan (dated May 6, 2020) was provided to document intended Site development features; included within Appendix A.	
A list of Site plans, building permits, their status, and status dates was provided to TGE for review.	
A Storm Water Pollution Prevention Plan (SWPPP) was provided to TGE for review and documents the potential sources for a hazardous (or potentially hazardous) spill or exposure during construction activities.	
An Emergency Response Plan (ERP) for Hazardous spills/exposure (Code Orange) was provided for review and to document proper procedures for Site personnel to follow in the event of a hazardous (or potentially hazardous) spill or exposure.	
A copy of the Owner's Policy of Title Insurance was provided to TGE for review and includes the date of lease from the current owner (Niklexi LLC) and legal description for the collective Site.	

5.2 Physical Setting Sources

In addition to the most current Topographic Map that includes the Property (Figure 1 of this report), TGE obtained useful sources to provide information about the geologic, hydrogeologic, hydrologic, and topographic characteristics of the Site. Below referenced physical setting sources are detailed on map(s) included in Appendix C.

5.2.1 Physiography

Physiography	
Elevation	Approximately 426 feet above mean sea level.
Topographic Gradient	Published natural surface drainage for the area is toward the northwest.
Closest natural surface water body	Per published topographic map information, an unnamed creek is located approximately 1,000 feet north of the Property.

5.2.2 Flood Zone

Flood Zone	
Zone	"Zone X - unshaded" – Area determined to be outside the 500 year flood plain in an area designated as a "low flood risk."

5.2.3 Geology

Geology	
Formation	The Site appears to overlie the Pleistocene-age younger glacial drift (Qg1).
Description	"Younger glacial drift, undivided. Till, outwash, and associated deposits; sorted and unsorted sand, gravel, silt, and clay. Includes some alluvium."
Fault Lines	Fault lines were not researched/available from publically available/ascertainable resources for the Site or within the Property vicinity.

Soil Characteristics	
Type	Alderwood gravelly sandy loam, 8 to 15 percent (AgC).
Description	Site soil(s) are listed as "hydric soils" within the U.S. Department of Agriculture-Natural Resources Conservation Service Hydric Soils List for King County. Soil descriptions are provided in Appendix C.

5.2.4 Hydrogeology

Hydrogeology	
Primary Aquifer	Vashon recessional outwash unit.
Hydrogeologic Gradient and Estimated Depth to Groundwater	Based on a review of publicly available and reasonably ascertainable documents (topographic maps, state well reports, and/or subsurface investigations conducted within the Site or immediate vicinity by TGE or others) the known or inferred hydrogeologic gradient is toward the northwest. Known or inferred depth to groundwater is approximately 45-50 feet below grade (fbg).

5.3 Historic Use Information

The objective of obtaining and reviewing historical use information is to "*develop a history of the previous uses of the Property and surrounding area to help identify the likelihood of past uses having led to RECs [including CRECs] and HRECs in connection with the Property*." To this end, and by using Standard Historical Sources, TGE attempted to research all obvious Property use from the present, back to the Property's first developed use; or back to 1940, whichever is earlier. Similar to that investigation performed for the Site, information sources that proved useful for the stated objective were likewise used in the conduct of this assessment with respect to historical use of adjoining land; in that historical Property use sources may reveal information in connection with commercial real estate in the surrounding area.

To complete this objective, TGE reviewed only as many of the Standard Historical Sources as necessary (and as reasonably ascertainable and likely to be useful) and accomplished this task in five (5) year increments with the use of the following sources (indicated with a "✓" below):

Source/Year	2010	2000	1990	1980	1970	1960	1950	1940	1930	1920	1910	1900	1800s
Aerial Photographs†	✔	✔	✔	✔	✔	✔	✔	✔					
Fire Insurance Maps													
Historic Topographic Maps	✔		✔	✔	✔	✔		✔				✔	✔
Local Street Directories‡	✔	✔	✔	✔	✔								
**Recorded Land Title Records	✔	✔	✔	✔	✔								
Other*	In addition to the User, TGE requested information from the Property Owner (MHS) and the Key Site Manager (KSM) prior to Site reconnaissance and/or while conducting Site reconnaissance. Specifically, "User Questionnaires" were provided to MHS for completion and use in this report (Appendix A). Useful information (if any) is summarized within Section 6.0 (Site Reconnaissance) and/or included within record of communication (ROC) forms included in Appendix C.												

Source/Year	2010	2000	1990	1980	1970	1960	1950	1940	1930	1920	1910	1900	1800s

† As deemed necessary, historical maps (aerial photographs and topographic maps) were reviewed online (historicaerials.com) and/or at the local library. If such historical maps were determined to be useful/pertinent (as discussed in Section 5.4.1), the appropriate "✓".

‡ EDR searches selected national collections of business directories and collects listings of potential gas station/filling station/service stations and/or dry cleaning facilities. If such historical information was determined to be useful/pertinent (as discussed in Section 5.4.1), the appropriate "✓" and such information is also included within Appendix B.

* Other than those sources previously listed, from time to time other sources of information may become available that are "credible to a reasonable person" and may identify past uses of the Property. Per the Practice, this category includes, but is not limited to miscellaneous maps, newspaper archives, internet sites, community organizations, local libraries, historical societies, current owners or occupants of neighboring land, or records in the files and/or personal knowledge of the Property.

** Per EDR, due to COVID-19 containment protocol, the county recorder office is closed for the foreseeable future. Ownership history, to the extent data and documents were available online, was reviewed and documented in the report back to 1976. Research of hardcopy, original deeds, and other documents back to 1940 are not available nor reasonably ascertainable at this time.

Copies of the above-referenced historical documents as available and pertinent to this assessment are included in Appendix D of this report (unless otherwise not available for reproduction). City directory publications were reviewed and the King County library in Auburn, WA and the Tacoma Public Library in Tacoma, WA. Streets and/or addresses were not found in city directory publications reviewed prior to the 1970s decade.

5.3.1 Use History Summary

Following is a tabulated historical use summary for the Site and adjoining land. Local street directory information detailed below only indicates if occupants were listed within respective city directories reviewed and does not denote the absence of a listed occupant.

Address	Occupant Information per Local Street Directories (Year)	Description
Site		
29805 Pacific Highway South	U-Haul Co (1972); Ryder Truck Rental (1977-1981); Green Connection (1992-2000); Rental Marts (1972-1995); 40 Rental Homeowners/Penske Truck Leasing (1995-2000); Forte Rentals Way North (2000); Western International Recovery Bureau (2010-2017); and Payless Auto Mart, Auto Repair, and WIRB Inc. (2014-2017)	Based on review of previous Phase I and Phase II reports prepared by others, the eastern portion of the Property (along Pacific Highway South) was developed as a fueling station/restaurant in the 1920s with historic use of underground (fuel) storage tanks (USTs). The historic fueling station/restaurant reportedly ceased operation by the late 1960s and the former structure was demolished. However, four USTs, a septic system, and a basement level (automotive repair area) were discovered in connection with the former fueling station structure and were subsequently excavated in 1993 and 2000. During excavation, petroleum impacted soil was reported to the State (under LUST/VCP program). This finding/condition was granted case closure (by the State) in 2001, per State case files. Per historical aerial photographs, from the 1940s to the 1950s, the southern and western portions of the Property appeared to have been largely undeveloped. However, a historic topographic map dated 1956 depicts the western Site limits and adjoining land west with "depressions". An unpaved road traversing southeast from the northern Site limits appears to terminate within the southeast Site limits per a 1965 aerial photograph, and denuded vegetation and/or

Address	Occupant Information per Local Street Directories (Year)	Description
29651 Pacific Highway South*	Not listed (1976-2017)	clearing of land is evident within the Site; surface cover removal and/or Site grading is evident in the 1968 aerial photograph. The building demolished to allow hospital construction was reportedly built at the Site within the southern portion of the Property in the late 1960s/early 1970s; it initially operated as "Rental Mart" (an equipment rental/repair facility). Rental Mart historically operated with at least one diesel UST and dispenser, which were recorded as removed from the ground in 1993. Figures provided within prior ESA reports indicated the presence of a historic septic system, sumps, and former hazardous materials storage areas in connection with the this building. A "greenhouse" (and associated structures) is identified per historical resources/files during the early 1990s (removed by 2000) within the northwest portion of the Site. Per a 2000 Phase I ESA prepared by others, Rental Mart ceased operation within the Property in the late 1990s and the Property was vacant at the time of prior assessment. Per city directory publications, the Property operated as "United Rentals" during at least 2001 and "Fort Inc.", in 2007. Per Appraisal District information reviewed, the Property was sold by Union Bank to American Drug Stores, Inc. in 2001, private individuals in 2002 and 2005, and then to the current owner in 2007 (Nixlexi LLC). Since transfer of ownership, the Property has operated as a used car sales facility (Payless), an auto repair facility, and a repossession facility (portions controlled by the federal government). Multicare Health System leased the Property from the current owner in 2017 and the Site is currently under construction as an emergency health care facility.
North		
29625 Pacific Highway South	Dean's Union (1972); Jump's Union (1977); Not listed (1985-2010); Shell Mini Mart (2010); and Not listed (2014-2017)	Dash Point Road South bound the northern Site limits since at least the 1940s. Per State file information reviewed, adjoining land north of Dash Point Road operated as a fueling/service station with concurrent use of USTs since at least the mid-1930s. Initial USTs were reportedly removed from the ground in 1989 and a second tank system installed. At the time of tank removal, a release of petroleum hydrocarbon (impacted soil) was reported; a second tank system was also removed in 1991. Adjoining land north apparently remained vacant until redevelopment as a Shell (branded) fueling station in the mid-1990s (current improvements).
1530 South Dash Point Road	Not listed (1972); Lee R Harris DVM (1977, 2000-2017); and Sacajawea Healthcare for Pets/Veterinary Clinic (1977, 1992-2017)	Based on review of historic historical resources, adjoining land northwest was vacant unimproved land in 1943. By 1957, land north appears to be associated with a gravel pit/quarry to the south. Adjoining land north remains commercially developed as a veterinary clinic through present day.

East		
29645 18th Avenue South	Address not researched.	Based on review of historic aerial photographs and previous reports by others, Pacific Highway South has bound the eastern Site limits since at least the 1920s. Adjoining land east of Pacific Highway appeared to be forested per aerial photographs from the 1940s through the 1980s; with development of current apartment buildings by 1990. Since initial development, adjoining land east has been in use for multi-family occupancy.
South		
29815 Pacific Highway South	Not listed (1972-1981); Federal Way Motel (1985-2017); and Cheap Heating and Air Conditioning (2017)	Abutting land south appears to have been forested land from at least the 1940s until commercial development of the Federal Way Motel by the mid-1980s (per aerial photograph review). Based on Site reconnaissance, adjoining land south remains in operation as the Federal Way Motel.
West		
1401 South Dash Point Road	Not listed (1972-2017)	Per historic aerial photographs and/or topographic maps from the 1940s through the 1970s, S. 16th has bound the western Site limits since at least the 1940s. Adjoining land beyond S. 16th was utilized as a gravel pit/quarry until redeveloped as a school; as well as Sacajawea Park by at least 1978 (current improvements). Prior reports (and current regulatory data) suggest this park is "Redondo Oil Pit".

*Reported or likely historic address.

Per regulatory database information, a location in the Site vicinity was identified as the "Redondo Oil Pit" for a past release of petroleum hydrocarbons and polycyclic aromatic hydrocarbons (dates not reported). The State financed cleanup remains described as "pending". Documentation to definitively identify the location of this facility (with respect to Site boundaries and distance) was not confirmed within records reviewed.

6.0 SITE RECONNAISSANCE

Site reconnaissance was performed on June 3, 2020, by Ms. Kristi Barnette, P.G., Project Manager, with TGE. Mr. Rick Young, Foreman with Anderson Construction, provided TGE access to the Property and accompanied TGE during the Site visit. The weather on the day of the Site visit was sunny with a temperature in the 60s; visibility was clear. Photographic documentation is provided in Appendix E.

6.1 Methodology

Unless otherwise summarized herein, the Property was first observed from all surrounding adjoining public roads. A walk-through of all accessible portions of the Property was conducted. Current and past (if evident) uses of the Property, adjoining land, and the general area surrounding the Site were documented. The topography of the Property was also noted, particularly with regard to potential migration pathways of hazardous substances or petroleum products, if present. Visual reconnaissance of adjoining land was limited to areas that were readily observable from the Property or from public access roads.

6.2 Uses and Conditions

The Site setting was investigated in such a manner as to identify current and past use of hazardous substances or petroleum products in connection with the Property. A summary of uses and conditions of the Property as observed during Site reconnaissance is provided below to the extent that such use/conditions were visually and/or physically observable, or reported by Site sources; or included in records reviewed as part of this assessment.

6.2.1 General Site Setting

Current Uses of Adjoining Properties				
Direction	Observations	Evidence of a Release(1)		Discussion/Summary
		No	Yes	
North	South Dash Point Road, beyond which is a Shell fuel station.	✔	–	Refer to Section 5.1.3 of this report for further discussion of VCP 5427.
East	Pacific Highway South, beyond which is The Overlook Apartments residential community.	✔	–	N/A
South	Federal Way Motel.	✔	–	N/A
West	16th Avenue South, beyond which is Sacajawea Park.	✔	–	Historic gravel/quarry pit associated with adjoining land west.
Evidence of Past Land Uses of Adjoining Properties		✔	–	N/A
Current or Past Land Uses in the Surrounding Area		✔	–	Refer to Section 5.1.3 of this report for further discussion of VCP 5427.
Geologic, Hydrologic, and Topographic Conditions		✔	–	N/A
1) Evidence of a release (physically or visibly observed/reported) of hazardous substances or petroleum products in connection with listed equipment/materials (including surficial staining, pools of liquid, and/or stressed vegetation [if any]) is discussed in other report sections.				

6.3 Interior and Exterior Property Use Observations

Unless otherwise summarized herein, TGE assessed the interior of Site improvements as well as surrounding Site areas across the Property with respect to visually or physically observed/obvious use that would have involved the presence, treatment, storage, disposal, or generation of hazardous substances or petroleum products on the Property as summarized below. Specific information regarding interior/exterior general features/divisions, is summarized in the table below and/or depicted upon Figure 3. At the time of Site reconnaissance, access to the western Site limits was not provided (access restricted).

Current Uses of the Property				
The Property is comprised of one parcel of land that was under construction at the time of Site reconnaissance. Access to the Property is provided via a driveway along the eastern and northern Site perimeters.				
Site Observations		Visually/Physically Observed/Reported		Discussion/Summary
		No	Yes	
Storage Tanks (historic/current)		–	✔	Refer to Section 5.1.3 of this report for further discussion of historic Site USTs.
Drums/Containers (5-gallon capacity and greater)		–	✔	Drums/Containers are discussed in greater detail later in this report.
Known or Potential Soil/Surface Water/Groundwater Contamination		–	✔	Refer to Section 5.1.2 of this report for further discussion of LUST 4709, 2998, and VCP 5427.
Roads: used as a conduit for disposal of hazardous substances or petroleum products.		–	✔	Per previous subsurface investigation and geotechnical investigation within the Site limits, significant fill material, concrete debris, and other materials have been found up to 17 feet below grade within the Property.
Evidence of Past Site Land Use		✔	–	N/A
Utilities	Potable Water Supply			Lake Haven Water and Sewer District
	Sewage Disposal System			City of Federal Way; however, historic septic systems have reportedly been utilized within the Property. Specific information regarding removal of all septic systems was not found; however, a representative from the City of Lake Haven stated that sewer connections for the Property started by 1979.

6.3.1 Storage Tanks (UST/PST/AST)

Per regulatory database information for the Site, the Property is recorded as a historic UST facility (refer to Section 5.0) for the historic operation of USTs. Although not specifically reported within previous assessments conducted by others, an area within a former building was observed with 'covered fill ports and/or vents (Bay 2)". Site sources (at that time) were unable to identify the use/purpose of these specific features. The Site was not recorded with the use of operational USTs per regulatory records. The following ASTs were observed during Site reconnaissance conducted for the current ESA.

No. of AST(s)/ Capacity/ Container Material (Volume)	Date Installed	Contents (Hazard Constituent)	Use	Location (Interior/ Exterior)	Position/Cover
One double-walled 250-gallon metal AST (full)	2020	Diesel (petroleum products)	Construction AST	At the north exterior of the Property	Located adjacent to the stormwater tanks
Two double-walled steel storm water portable ASTs (partially full)	2020	Stormwater (hazardous substances)	Stormwater collection	At the north exterior of the Property	Located adjacent to the diesel fuel ASTs

Reportedly, the ASTs will be maintained by Anderson Construction, and third-party vendors will perform re-fueling/disposal of stormwater from the respective tank on an as needed basis. As observed, referenced equipment appeared to be in visibly good condition without environmental concern.

Interior and Exterior Observations			
	Visually/Physically Observed/Reported		Discussion/Summary
	No	Yes	
Strong, pungent, or noxious odors (Unusual) Odors: indicative of hazardous substances or petroleum products	✔	–	N/A
Pools of Liquid: standing surface water indicative of hazardous substances or petroleum products	✔	–	N/A
PCBs	✔	–	"No PCBs" labeling was not observed on Site transformer(s); however, the presence of PCBs is not suspect given date of initial Site development. Responsibility for management of the transformer(s) lies with the energy provider.
Paint Booth, Spray Rigs (etc.)	✔	–	N/A
Pits, Ponds, or Lagoons: pits, ponds, lagoons, farm tanks, swamps, lakes, rivers, springs, surface impoundments, etc.	✔	–	A detention pond will be constructed within the southern portion of the Property.
Exterior Stained Soil/Pavement or discoloration on any surface	✔	–	N/A
Stressed Vegetation from something other than insufficient water	✔	–	N/A
Solid Waste: buried on-Site and/or areas that are apparently filled or graded by non-natural causes (including fill material of unknown origin).	✔	–	N/A

Interior and Exterior Observations			
	Visually/Physically Observed/Reported		Discussion/Summary
	No	Yes	
Solid Waste Management: municipal waste, cardboard, metal shavings, swarf, non-containerized debris.	✔	–	Solid waste management was not provided at the time of Site reconnaissance; however, a construction dumpster was present. The Site appeared generally free of non-containerized solid waste and debris.
Wastewater/Stormwater	–	✔	Stormwater discharges to a sump located at the northern portion of the Property, which is transferred to portable stormwater ASTs.
Sumps, Cisterns, or Subsurface Interceptor Devices: oil/water separators, grease traps, grit traps, lift stations, trenches, sumps	–	✔	A sump located at the northern portion of the Property discharges storm water to associated portable ASTs.
Wells: potable, monitor, observation, injection, dry	✔	–	N/A
Septic Systems	✔	–	N/A
Air Emissions	✔	–	N/A
Patched Asphalt/Concrete Areas: indicating potential fueling islands or indicative of former UST systems	✔	–	N/A
Railroad Spurs	✔	–	N/A
Radiological Equipment	✔	–	N/A
Farm Waste: Feed lots spoils, manure stockpiles, etc.	✔	–	N/A
Current/Historic Pesticide/Herbicide Use	✔	–	N/A
Oil/Gas Well Exploration/Refinery Activities	✔	–	N/A
Heating/Cooling Ventilation Systems	✔	–	N/A
Interior Stains or Corrosion except for staining from water.	✔	–	N/A
Interior Drains and Sumps: that are NOT in a kitchen or restroom	✔	–	N/A
Basements and/or subsurface vaults	✔	–	N/A
Other	–	✔	A vapor intrusion mitigation system (VIMS) was observed being installed at the time of the Site visit. Once completed, the system will be routinely monitored.

6.3.2 Drums and Other Containers

TGE did not observe hazardous substances and/or petroleum products associated with current Site operations at the time of the assessment with the exception of those containers detailed within the table below; to the extent such products were contained within vessels of five-gallons or more.

No. of Containers/ Container Material/ Capacity (Volume)	Contents (Hazard Constituent)	Use	Location (interior/ exterior), Position and Secondary Containment	Evidence of a Release
8 plastic 5-gallon container(s) (partially full to full)	Stego mastic (hazardous substances)	VIMS Installation	Located on the ground surface at the northeast portion of the Property	No
1 plastic 5-gallon container(s) (partially full to full)	Quickcrete (hazardous substances)	Construction use	Located on the ground surface at the northeast portion of the Property	No

As observed at the time of the Site visit, above-referenced containers/materials appeared to be properly managed, were in undamaged condition and affixed with appropriate labels. Evidence of a release (current and/or past), if any, associated with above-referenced containers, is discussed in detail within other report sections.

6.4 Site Reconnaissance Observations Relevant to this Report (and RECs)

Site observations did not appear relevant to potential environmental conditions (PECs) or RECs in connection with the Site with the exception of historic operations involving the use of underground storage tanks with documented release of “petroleum product” to the environment, as well as prior use of the Site for automotive repair operations and the reported presence of fill material of unknown origin. However, use of a sub-slab Vapor Intrusion Mitigation System (VIMS) was designed and is currently being installed at the new development (and will operate continually at the Site as a passive system). This system was designed due to a finding by MHS during pre-Site-acquisition due diligence of soil vapor concentrations (select VOCs) in excess of applicable Ecology (MTCA) soil vapor screening levels (as established within the Draft Ecology Guidance for Evaluating Soil Vapor Intrusion in Washington State [February, 2016]). Also, as an ongoing risk mitigation measure, in consideration of variable commercial land use in the Site vicinity that may present further trespass risk to the Site, the VIMS was installed as an engineering control (with intrinsically protective design) to evidence a conservative risk mitigation strategy against any potential hazardous substance and/or petroleum product release within the Site area. Partial installation of the VIMS system was observed during TGE’s visual assessment and was photographed/documented (refer to Appendix E) for this report.

6.5 Vapor Encroachment Condition (VEC) Potential

Evidence of a release to the Site of volatile organic constituents (VOCs) was found during previous due diligence investigation involving the Property (also refer to Section 2.6.2 of this report). While the certified VIMS is meant to close the vapor intrusion pathway (absent of post-construction Tier II indoor air confirmatory assessment), the risk of vapor encroachment conditions cannot be ruled out for the Site. The VIMS will be subject to post-system installation (routine) monitoring to demonstrate system effectiveness. Once routine monitoring is complete, an annual report inclusive of cumulative performance data and engineer-of-record certification will be prepared and submitted to MHS, as responsible party.

7.0 INTERVIEWS

The objective of conducting interviews is to obtain information indicating RECs in connection with the Property as may be ascertained from past and present Property owners, as well as from state and/or local government officials.

7.1 Interviews with Past and Present Owners and Occupants

The content of questions asked of the Property owner, Key Site Manager (KSM) and/or User were formed in an attempt to obtain information about uses and conditions as observed and as described in Section 6.0 of this report. TGE made reasonable attempts to interview occupants of the Property who possessed knowledge of its current and past use history. Refer to Section 4.0, Section 5.0, Section 6.0 and/or within record(s) of communication (ROCs) included in Appendix C for details/interview content for the following interviewees, as tabulated below in preparation of this assessment report.

Interview Target		KSM*	Property Owner (as leasee)	Occupant/ Operator**	User
Interviewee (Position/Company)		Mr. Rick Young/ Foreman with Anderson Construction	Mr. James P. McMann, SVP & CEO MultiCare Health System	Mr. Larry Shelton/Multi-Care Health System clinical Director	Mr. Ben Mingle/
Duration of Occupancy (Years)		3 months	~2 years	N/A	N/A
Contact Details		206-618-7121	via Howard Vogel – hvogel@walkergroupadvisors.com	lpshelton@multicare.org	BMingle@CenturionMail.org
Medium		In Person Interview	E-mail	E-mail	E-mail
Timing with Respect to Site Visit†		During	After	After	Before
Helpful Documents Requested/ Provided (Section 2.0/4.0)		Yes	N/A	Yes	Yes
Answers Complete/In Good Faith to the Extent of Their Knowledge		Yes	Yes	Yes	Yes
Incomplete Answers		No	No	Yes	No
Proceedings Involving the Property	Litigation‡	N/A	N/A	N/A	N/A
	Administrative proceedings‡	N/A	N/A	N/A	N/A
	Notices from governmental entity regarding violation of environmental laws or possible liability‡	N/A	N/A	N/A	N/A

Interview Target	KSM*	Property Owner (as leasee)	Occupant/ Operator**	User

* Defined as a person with "good knowledge" of the uses and physical characteristics of the Property, per the ASTM Standard.
** A reasonable attempt was made to interview a representative of each occupant of the Property and/or major occupants (if greater than five). For multi-family residential properties (as applicable), only non-residential occupants were interviewed.
† Date(s) of Site visit: June 3, 2020.
‡ Pending, threatened, or past concerns relating to hazardous substances or petroleum products.

7.1.1 Findings of Interview(s) with Past and Present Owners and Occupants

TGE was unable to obtain information to comply with this Practice specific to Interview objectives respecting the KSM. Due to COVID-19 limitations, interview of a KSM regarding specific Property information or any information regarding any past, present, and/or pending litigation, administrative proceedings, and/or notices from governmental entities was not provided. However, KSM interview did not result in data gaps or result in Practice-related RECs, given TGE's knowledge of the Site and availability of other information.

7.2 Interviews with State and/or Local Government Officials

TGE contacted the following agencies to obtain local government records responsive to this Practice. Correspondence records (or Records of Communication), if any, are provided in Appendix C of this report

Interview Target*	Fire Department	Health Agency	Hazardous Waste Disposal Agency	Building/ Groundwater Use Permit Agency
Interviewee (Position)	King County Open Records Department		N/A	WA Department of Ecology Central Records
Medium: Contact Details	Web Request for Information Submittal	Web Request for Information Submittal	N/A	EDR report (refer to Appendix C of this report)
Timing with Respect to Site Visit†	After	After	N/A	Before/After
Answers Complete/In Good Faith to the Extent of Their Knowledge	Yes	N/A	N/A	N/A
Incomplete Answers‡	No	N/A	N/A	N/A

* Interviews conducted as part of current assessment efforts were conducted to determine changes and/or updates to operations reported within previous reports (if any). Responses provided to TGE from State and/or local agency officials during the 2017 Phase I Site Assessment have been utilized for this practice and are attached (if any) in Appendix A.
† Date(s) of Site visit: June 3, 2020.
‡ Reasonable attempts may have been made to interview parties in connection with incidents associated with hazardous materials at the Site; yet a timely response may not have been reasonably ascertainable.

7.2.2 Findings of Interview(s) with State and/or Local Government Officials

Local/Regional Government Agency[1]	Interview/Record Content (if any)
Fire Department	A natural gas leak at the Property was reported to the King County Fire Department on March 20, 2020 by Mr. Drew Gibson with Anderson Construction apparently caused by hitting a natural gas line at the Site during construction activities. The natural gas leak was reportedly corrected on March 20, 2020.
Health Agency	N/A
Hazardous Waste Disposal Agency (Environmental/Pollution Department)	N/A
Building/Groundwater Use Permit Agency	Various construction related permits were provided (refer to Appendix C) for Site construction activities.
	State file information provided is summarized in Section 5.0 of this report (2017).

1. Information received from State and/or local agency officials is attached hereto if received within 10 *"calendar days"* from the date of TGE's notice to proceed; follow-on information received thereafter will be forwarded as an addendum (if deemed significant, sufficiently useful, accurate, and complete at the discretion of TGE).
2. Data gap(s) realized due to a lack of or inability to obtain information from above-listed State and/or local government officials (as applicable) is detailed within Section 10.0.

N/A Not applicable given that a response was not received or information was not requested.

Following reasonable attempts to obtain information from State and/or local government officials pertinent to the Property with regard to use, treatment, storage, disposal of or generation of hazardous substances or petroleum products on the Property, TGE was unable to ascertain information relevant to the Property. However, incomplete or partial answers from certain above-listed agencies does not make interviews with State and/or Local Government incomplete, per Section 11.8 of the ASTM E1527-13 Practice.

7.3 Interview(s) with Other Sources

Other than those State/local agencies listed above, additional State/local government agencies, as well as other sources of information (i.e. community organizations; historical societies; current/historical owners/occupants of neighboring land; and/or personal knowledge of the Property) may have been solicited to determine past uses of the Property; and/or accessed to identify RECs in connection with the Property. Such information, as applicable and as obtained per this Practice, is detailed within Section 5.0 and Section 6.0; and/or detailed within ROC forms included in Appendix C.

8.0 SUMMARY OF NON-SCOPE CONSIDERATIONS

NSC assessment was not included within the scope of work selected for this engagement.

9.0 ADDITIONAL SERVICES

TGE was not retained to conduct “Additional Services” for this engagement.

10.0 LIMITING CONDITIONS, DELETIONS & DEVIATIONS, DATA GAPS

10.1 Limiting Conditions

As introduced within Section 2.0 of this report, certain obstructions may be documented during Property reconnaissance that limit visual/physical inspection of the Property such as adjacent buildings, bodies of water, surface cover (any type of pavement) as well as other physical constraints such as rain or snow. Unless otherwise specified below, TGE did not realize material Limiting Conditions during conduct of this assessment with the exception of the following:

- Portions of Property were covered with improvements, paving, and/or vehicles/equipment that precluded direct inspection of the ground surface.

10.2 Deletions and Deviations

Should Client have imposed modifications to the ASTM/AAI work scope (such that required elements of the Practice were omitted), any such deletions or deviations were to be summarized (and are specified below). TGE was to consider the materiality of any such scope deletion or deviation and discuss the adverse impact realized to effective execution of the Practice and contingent impact to Opinion rendered herein. Unless otherwise specified below, TGE was not requested to limit or deviate from the Practice in the conduct of this assessment.

10.3 Data Failure/Data Gaps

As discussed in Section 2.0 of this report, a lack of or inability to obtain certain information required per this Practice, despite good faith efforts may result in data gaps to the report. Failure to achieve historical research objectives may cause “data failure” (a type of data gap) and possibly result in a REC in connection with the Site; especially if the data gap is material (in consideration of other compelling Findings of the assessment). Data gaps (if any) are listed below and referenced (only if material to the assessment) in Section 12.0 of this report.

- Although historical information for this assessment dated back to the 1920s, TGE was unable to research the Property to vacant, undeveloped land.

- City and county health departments were unresponsive to information requests.

10.4 Outcome of Limiting Conditions, Deletions, Deviations and Data Failure/Data Gaps

Limiting condition(s), deletion(s), deviation(s), and/or data failure(s)/data gap(s) as listed above (if any) did not result in Practice objectives being impacted for this ESA.

11.0 FINDINGS AND OPINIONS

As introduced within Section 2.0 of this report, the following Findings were revealed in connection with this ESA and as defined as per ASTM E1527-13. Contingent/related Opinion is also provided herein as required per the scope of work with language as to the rational used to execute this Practice.

Finding	Opinion
The former presence of hazardous substances and petroleum products at the Property (under conditions indicative of a release to the environment) that originated (predominantly) from prior operation of historical Site businesses, which included retail fuel sales, auto repair/service, and Site use with a commercial greenhouse.	Confirmed residual RCRA metals and vapor phase VOCs found at the Site in excess of applicable Ecology (MTCA) screening levels in soil and as established within the Draft Ecology Guidance for Evaluating Soil Vapor Intrusion in Washington State (February, 2016) is a REC for the Site.
Historical use of adjoining land north as a fueling station since at least the mid-1930s with concurrent use of USTs; land use within 350 feet northwest as a dry cleaning facility (for at least 13 years); and historic use of adjoining land west as a gravel pit/quarry (likely recorded “oil pit”) from at least the 1940s through the 1980s.	

12.0 CONCLUSIONS & RECOMMENDATIONS

12.1 Conclusions & Recommendations

TGE has performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E1527-13 of CF Federal Way LLC, aka Federal Way Emergency Center located at 29805 Pacific Highway South, Federal Way, King County, Washington. Any exceptions to, or deletions from, this Practice are described in Section 10.0 of this report. This assessment has revealed no evidence of RECs (including CRECs) in connection with the Property except for the following. As appropriate, TGE provides the following recommendation(s), per the Client-specified scope of work and objectives of this assessment.

Conclusion	Recommendation(s)
Residual RCRA metal arsenic and confirmed vapor phase VOCs found at the Site in excess of applicable Ecology (MTCA) screening levels.	Comply with applicable VCP Ecology requirements such that case closure can eventually be received; and as warranted specific to responsible party of record filing of an institutional control and environmental covenant to run with the land – ensure that "Continuing Obligations" (with VIMS maintenance) are fulfilled as objectives to maintain Liability Protections under CERCLA.

13.0 REFERENCES

13.1 Physical Setting Sources

The following sources were used in the preparation of this document with regard to the physical setting of the Site:

- USGS 7.5 minute Topographic Map, Poverty Bay, Washington Quadrangle (2014);
- US Department of Agriculture Soil Conservation Service Soil Survey of King County, Washington;
- U.S. Department of the Interior | U.S. Geological Survey, Ask MRData, Last Modified: 27 October 2015;
- Regulatory Database - EDR, Shelton, Connecticut; and
- Flood Zone Map – Flood Insights (www.floodinsights.com).

13.2 Historical Use Information

The following sources were used in the preparation of this document with regard to historical use of the Site:

- Aerial Photographs – EDR, Shelton, Connecticut; and Google Earth;
- Historical City Directories – EDR, Shelton, Connecticut;
- Historical Tax Information - EDR, Shelton, Connecticut; and
- Historical Topographic Maps – EDR, Shelton, Connecticut; and
- COT/Environmental Lien Search – EDR, Shelton, Connecticut.

13.3 Additional Records Sources

Additional information referenced in this report was obtained from the following sources:

- CAD records;
- King County;
- King County Open Records Department;
- EPA website (Radon Map);
- National Pipeline Mapping Service (NPMS);
- NEPA Report – EDR, Shelton, Connecticut;
- WA Department of Ecology;
- WA Fish and Wildlife Priority Habitat and Species Mapper; and
- US Fish and Wildlife, internet wetland database.

14.0 SIGNATURES AND QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

14.1 Statement of the Environmental Professionals

By execution below on the date indicated, "we declare that, to the best of our professional knowledge and belief, we meet the definition [of an EP] as defined in §312.l0 of 40 CPR § 312" (as summarized from the statute), and as specified within ASTM E-1537-13 guidance, Section X2.1); and "have the specific qualifications based on education, training, and experience to assess [the] Property of the nature, history, and setting of the [Site]," as well as to exercise professional judgment to develop Opinions and Conclusions regarding conditions indicative of releases or threatened releases on, at, in or to the Property, sufficient to meet the objectives and performance factors of the Practice. "We have developed and performed [the AAI] in conformance with the standards and practices set forth in 40 CFR Part 312."

Kristi Barnette, P.G.
Project Manager

Robin D. Franks, P.G., CHMM, RSO
President

June 23, 2020

14.2 Resumes of Environmental Professionals

Robin D. Franks - President

Ms. Franks holds dual BS degrees in Geology and Biology; and a MS in Geology. She is a TX- Licensed PG (TX 875), a CHMM (3725) with multiple other credentials and qualifications all in good standing. Her experience spans more than thirty years in assessment of commercial real estate; as well as characterization, clean-up and closure within the commercial, industrial, oil and gas, and healthcare industries, to name a few. Her experience encompasses compliance auditing, oil and gas real estate assessment and remediation, underground storage tank project management, asbestos consulting, lead-based paint management and industrial hygiene/indoor environmental quality consulting including mold/fungus assessment, testing and remediation. Additional expertise includes litigation support and client representation with regard to environmental matters.

Kristi Barnette, P.G. - Project Manager

Ms. Barnette possesses the educational background (B.S. Environmental Earth Studies; and M.S. Environmental Science) and over twenty years of experience in the field of commercial real estate due diligence. She is a Licensed PG in multiple states with other credentials and qualifications all in good standing. She is responsible for the performance of all aspects of Phase I and Phase II Environmental Site Assessments, field characterization efforts, and compliance audits (including inspections/plans/facility training for Storm Water Pollution Prevention [SWP3] and Spill Prevention Control and Countermeasure [SPCC] plans). Ms. Barnette's efforts include project initiation, performance of field surveys, collection review and reduction of historical and regulatory data, sample collection, coordination of projects related to Site characterization, remediation and risk assessment/management and preparation of project deliverables for final review.

15.0 DEFINITIONS

Abandoned property: property that can be presumed to be deserted, or an intent to relinquish possession or control (surrender rights) given the general disrepair or lack of activity.

Aboveground Storage Tanks (ASTs): facilities that own or operate state-registered /ASTs.

Activity and Use Limitations (AULs): legal or physical restrictions (i.e. IC and/or EC) or limitations on the use of, or access to a facility: (1) to reduce or eliminate potential exposure to hazardous substances or petroleum products in the soil, soil vapor, groundwater, and/or surface water on the property, or (2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment. AULs database includes both EC/IC that specify the allowed conditions and prohibited uses for a particular facility to protect human health and the environment.

Actual knowledge: the knowledge actually possessed by an individual (a real person), rather than an entity.

Adjoining land: any real property or properties (other than street, road, or other public thoroughfare) the border of which is contiguous or partially contiguous with the Property.

Aerial photographs: photographs taken from an aerial platform with sufficient resolution to allow identification of development and activities of areas encompassing the Property.

All Appropriate Inquiries (AAI): that inquiry constituting all appropriate inquiries into the previous ownership and uses of the property consistent with good commercial and customary practice as defined in CERCLA, 42 U.S.C §9601(35)(B), that will qualify a party to a commercial real estate transaction for one of the threshold criteria for satisfying the LLPs to CERCLA liability (42 U.S.C §9601(35)(A) & (B), §9607(b)(3), §9607(q); and §9607(r)), assuming compliance with other elements of the defense.

Approximate Minimum Search Distance (AMSD): the area for which records must be obtained and reviewed measured from the nearest Property boundary.

Bona fide prospective purchaser liability protection: a person may qualify as a bona fide prospective purchaser if, among other requirements, such person made "AAI into the previous ownership and uses of the facility in accordance with generally accepted good commercial and customary standards and practices." Knowledge of contamination resulting from AAI would not generally preclude this liability protection. A person must make AAI on or before the date of purchase. The facility must have been purchased after January 11, 2002.

Brownfields: identified as land that is being addressed/remediated for redevelopment under USEPA grant monies.

Building department records: records indicating permission of the local government to construct, alter, or demolish improvements on the Property.

Business Environmental Risk (BER): a risk which can have a material environmental or environmentally-driven impact on the business associated with the current/planned use of the Property.

Comprehensive Environmental Response and Liability Information System (CERCLIS): Comprehensive Environmental Response Compensation and Liability Act (CERCLA) investigations are conducted by the USEPA to determine if a facility has the potential for releasing hazardous substances into the environment.

CERCLIS No Further Action Planned (NFRAP): facilities that have been removed from the CERCLIS database (i.e. no contamination was found, contamination was removed quickly without NPL listing; or the contamination was not of severity to require Federal Superfund action).

Commercial real estate: any real property (except a dwelling or Property with no more than four dwelling units exclusively for residential use) including real property used for industrial, retail, office, agricultural, other commercial, medical, or educational purposes.

Commercial real estate transaction: a transfer of title to or possession of real property or receipt of a security interest in real property (excluding an individual dwelling or building containing fewer than five dwelling units) including real property purchased or leased by persons or entities in the business of building or developing dwelling units.

Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS): the list of sites compiled by EPA that EPA has investigated or is currently investigating for potential hazardous substance contamination for possible inclusion on the National Priorities List.

Construction debris: concrete, brick, asphalt, and other such building materials discarded in the construction of a building or other improvement to the Property.

Contaminated public wells: public wells used for drinking water that have been designated by a government entity as contaminated (or unsafe to drink) by hazardous substances.

Contiguous property owner liability protection: a person may qualify if, among other requirements, such person owns real property that is contiguous to, and that is or may be contaminated by hazardous substances from other real property that is not owned by that person. Furthermore, such person conducted AAI at the time of acquisition of the Property and did not know or have reason to know that the Property was or could be contaminated by a release or threatened release from the contiguous land.

Controlled Recognized Environmental Condition (CREC): a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls.

CORRACTS list: a list maintained by EPA of hazardous waste treatment, storage, or disposal (TSD) facilities and other RCRA-regulated facilities (due to past interim status or storage of hazardous waste beyond 90 days) that have been notified by the USEPA to undertake corrective action under RCRA.

Data failure: a failure to achieve the historical research objectives even after reviewing the standard historical sources that are reasonably ascertainable and likely to be useful.

Data gap: a lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information.

Delisted NPL: the National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establish the criteria that the USEPA uses to delete facilities from the NPL; in accordance with 40 CFR 300.425. (e), facilities may be deleted from the NPL where no further response is appropriate.

De minimis condition: a condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

Demolition debris: concrete, brick, asphalt, and other such building materials discarded in the demolition of a building or other improvement to the Property.
Drum: a container (typically, but not necessarily, holding 55 gal (208 L) of liquid) that may be used to store

hazardous substances or petroleum products.

Dry wells: underground areas used for drainage, to control storm runoff, for the collection of spilled liquids (intentional and non-intentional) and wastewater disposal (often illegal).

Due diligence: the process of inquiring into the environmental characteristics of a parcel of commercial real estate or other conditions, usually in connection with a commercial real estate transaction.

Dwelling: structure or portion thereof used as a residence.

Engineering Controls (EC): physical (modifications/engineering) control (i.e., capping, slurry walls, or point of use water treatment) to reduce or eliminate the potential for exposure to hazardous substances or petroleum products in soil/groundwater. EC is a type of AUL.

Environment: shall have the same meaning as the definition of environment in CERCLA 42 U.S.C. § 9601(8)).

Environmental compliance audit: the investigative process to determine if the operations of an existing facility are in compliance with applicable environmental laws and regulations.

Environmental lien: a charge, security, or encumbrance upon title to a property to secure the payment of a cost, damage, debt, obligation, or duty arising out of response actions, cleanup, or other remediation of hazardous substances or petroleum products upon a property, including (but not limited to) liens imposed pursuant to CERCLA 42 U.S.C. §§9607(l) & 9607(r) and similar state or local laws.

Environmental Professional (EP): a person meeting the education, training, and experience requirements as set forth in 40 CFR §312.10(b).

Environmental Site Assessment (ESA): the process by which a person or entity seeks to determine if a particular parcel of real property (including improvements) is subject to RECs.

Emergency Response Notification System (ERNS): list of reported CERCLA hazardous substance releases or spills in quantities greater than the reportable quantity, as maintained at the National Response Center (NRC).

Facility Index System/Facility Registry System (FINDS): includes several permit, registration, and enforcement databases maintained by the EPA, as well as the applicable State agency.

Federal Register (FR): publication of the United States government published daily (except for federal holidays and weekends) containing all proposed and final regulations and some other activities of the federal government. When regulations become final, they are included in the Code of Federal Regulations (CFR), as well as published in the Federal Register.

Fill dirt: dirt, soil, sand, or other earth, that is obtained off-site, that is used to fill holes or depressions, create mounds, or otherwise artificially change the grade or elevation of real property; excludes material that is used in limited quantities for normal landscaping activities.

Fire insurance maps: maps produced for private companies that indicate uses of properties at specified dates and that encompass the Property.

Formerly Used Defense Sites (FUDS): facilities that the US Army Corp of Engineers is actively working on; or, will take necessary cleanup actions to address.

Good faith: the absence of any intention to seek an unfair advantage or to defraud another party; an honest and sincere intention to fulfill one's obligations in the conduct or transaction concerned.

Hazardous substance: a substance defined as a hazardous substance pursuant to CERCLA 42 U.S.C.

§9601(14), as interpreted by EPA regulations and the courts:"

Hazardous waste: any hazardous waste having the characteristics identified under or listed pursuant to section 3001 of RCRA, as amended, (42 U.S.C. §6921) (but not including any waste the regulation of which under RCRA (42 U.S.C. §§6901-6992k) has been suspended by Act of Congress).

Hazardous waste/contaminated facilities: facilities on which a release has occurred, or is suspected to have occurred, of any hazardous substance, hazardous waste, or petroleum products, and that release or suspected release has been reported to a government entity.

Historical Recognized Environmental Condition (HREC): a past release of any hazardous substances or petroleum products that has occurred in connection with the Property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the Property to any required controls (for example, property use restrictions, AULs, ICs, or ECs).

Innocent Owner/Operator Program (IOP): represents an innocent owner or operator with land contaminated as a result of a release or migration of contaminants from an off-Site source where the use of the Site did not cause or contribute to the source(s) of contamination.

Institutional Controls/Engineering Controls (IC/EC): databases maintained by a federal, state or local environmental agency for purposes of tracking facilities that may contain residual contamination and AULs.

Innocent landowner defense: a person may qualify as one of three types of innocent landowners: (i) a person who "did not know and had no reason to know" that contamination existed on the Property at the time the purchaser acquired the property; (ii) a government entity which acquired the Property by escheat, or through any other involuntary transfer or acquisition, or through the exercise of eminent domain authority by purchase or condemnation; and (iii) a person who "acquired the facility by inheritance or bequest."

Institutional Controls (IC): a legal or administrative restriction (for example, "deed restrictions," restrictive covenants, easements, or zoning) on the use of, or access to, a r facility to (1) reduce or eliminate potential exposure to hazardous substances or petroleum products in the soil or groundwater, or (2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment. An IC is a type of AUL.

Interviews: address questions to be asked of past and present owners, operators, and occupants of the property and questions to be asked of local government officials.

Key Site Manager (KSM): the person identified by the owner or operator of a property as having good knowledge of the uses and physical characteristics of the Property.

Landfill: a place, location, tract of land, area, or premises used for the disposal of solid wastes (garbage dump, trash dump, or similar term) as defined by state solid waste regulations.

Landowner Liability Protections (LLPs): these protections include the bona fide prospective purchaser liability protection, contiguous property owner liability protection, and innocent landowner defense from CERCLA liability.

Local government agencies: those agencies of municipal or county government having jurisdiction over the Property.

Local street directories: directories published by private (or sometimes government) sources that show ownership, occupancy, and/or use by reference to street addresses.

Leaking Underground Storage Tank (LUST)/Leaking Underground Petroleum Storage Tank (LPST): facilities

that own or operate state-registered “leaking” USTs/PSTs/ASTs.

Major occupants: those tenants, subtenants, or other persons or entities each of which uses at least 40% of the leasable area of the property or any anchor tenant when the Property is a shopping center.

Municipal Settings Designations (MSD): a state designation given to a Property within a municipality that certifies that designated groundwater at the Property is not used as potable water, and is prohibited from future use as potable water because that groundwater is contaminated in excess of the applicable potable-water protective concentration level.

Material threat: a physically observable or obvious threat which is reasonably likely to lead to a release that, in the opinion of the EP, is threatening and might result in impact to public health or the environment.

Migrate/migration: refers to the movement of hazardous substances or petroleum products in any form, including, solid and liquid at the surface or subsurface, and vapor in the subsurface.

Municipal Waste Registration (MWR): inventory of solid waste disposal facilities and landfills.

National Contingency Plan (NCP): the National Oil and Hazardous Substances Pollution Contingency Plan, found at 40 C.ER. Part 300, is the EPA's blueprint on how hazardous substances are to be cleaned up pursuant to CERCLA.

National Priorities Listing (NPL): facilities that have been assessed by the USEPA and determined to represent a possible threat to public health or the environment.

Obvious: that which is plain or evident; a condition or fact that could not be ignored or overlooked by a reasonable observer while visually or physically observing the Property.

Occupants: those tenants, subtenants, or other persons or entities using the Property or portion thereof.

Operator: the person responsible for the overall operation of a facility.

Other historical sources: any source or sources that are credible to a reasonable person and that identify past uses of the Property.

Owner: generally the fee owner of record of the property.

Petroleum exclusion: the exclusion from CERCLA liability: "The term (hazardous substance) does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under subparagraphs (A) through (F) of this paragraph, and the term does not include natural gas, natural gas liquids, liquefied natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas)."

Petroleum products: crude oil or any fraction (refers to certain distillates of crude oil, including gasoline, kerosene, diesel oil, jet fuels, and fuel oil, pursuant to Standard Definitions of Petroleum Statistics) thereof which is not otherwise specifically listed or designated as a hazardous substance under Subparagraphs (A) through (F) of 42 U.S.C. § 9601(14), natural gas, natural gas liquids, liquefied natural gas, and synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas).

Petroleum Storage Tanks (PSTs): facilities that own or operate state-registered PSTs (a.k.a. USTs).

Physical setting sources: sources that provide information about the geologic, hydrogeologic, hydrologic, or topographic characteristics of the Property.

Pits, ponds, or lagoons: man-made or natural depressions in a ground surface that are likely to hold liquids or

sludge containing hazardous substances or petroleum products.

Practically reviewable: information that is practically reviewable means that the information is provided by the source in a manner and in a form that, upon examination, yields information relevant to the Property without the need for extraordinary analysis of irrelevant data.

Property: the real property that is the subject of the ESA. Real property includes buildings and other fixtures and improvements located on the Property and affixed to the land.

Property tax files: the files kept by the local jurisdiction where the Property is located and may include records of past ownership, appraisals, maps, sketches, photos, or other information that is reasonably ascertainable and pertaining to the property.

Publicly available: access to the information by anyone upon request.

Resource Conservation and Recovery Act (RCRA): facilities are designated as a RCRA Notifier if activity includes the generation, treatment, and/or TSD of hazardous waste. The Corrective Action Report (CORRACTS) identifies hazardous waste handlers with RCRA corrective action activities. RCRA non-CORRACTS TSD facilities treat store and/or dispose of regulated waste that has not been subject to corrective action.

RCRA Conditionally Exempt Small Quantity Generators (CESQGs): facilities that generate less than 100 kg of hazardous waste per month.

RCRA Large Quantity Generators (LQGs): facilities that generate over 1,000 kilograms (kg) of hazardous waste per month.

RCRA Non-Generators (NGs): facilities that historically generated hazardous wastes, yet terminated (the process or operations).

RCRA Small Quantity Generators (SQGs): facilities that generate less than 1,000 kg but more than 100 kg of hazardous waste per month.

Reasonably ascertainable: information that is (1) publicly available, (2) obtainable from its source within reasonable time and cost constraints, and (3) practically reviewable.

Recognized Environmental Conditions (RECs): the presence or likely presence of any hazardous substances or petroleum products in, on, or to a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.

Records of emergency release notifications (EPCRA): requires facilities to notify their local emergency planning committee and state emergency response commission of any release beyond the facility's boundary of any reportable quantity of any extremely hazardous substance.

Release: a release of any hazardous substance or petroleum product shall have the same meaning as the definition of "release" in CERCLA 42 U.S.C. § 9601(22)).

Report: the written report prepared by the EP and constituting part of a "Phase I ESA."

Safety Data Sheet (SDS): written or printed material concerning a hazardous substance which is prepared by chemical manufacturers, importers, and employers for hazardous chemicals pursuant to OSHA's Hazard Communication Standard, 29 C.ER. §1910.1200.

Site visit: the visit to the Property during which observations are made.

Solid waste disposal facility (landfill): a place, location, tract of land, area, or premises used for the disposal of solid wastes as defined by state solid waste regulations.

Solvent: a chemical compound that is capable of dissolving another substance and may itself be a hazardous substance.

Standard physical setting source: a current USGS 7.5 Minute Topographic Map (if any) showing the area on which the Property is located.

State Hazardous Waste "Sites" (SHWS): State equivalent of NPL/CERCLIS.

Sump: a pit, cistern, cesspool, or similar receptacle where liquids drain, collect, or are stored.

Toxic Release Inventory System (TRIS): facilities that release toxic chemicals to the air, water, and land in reportable quantities under SARA Title III Section 313.

Tier II: a listing of facilities that store or manufacture hazardous materials and submit a chemical inventory report.

Underground injection: the emplacement or discharge of fluids into the subsurface by means of a well, improved sinkhole, sewage drain hole, subsurface fluid distribution system or other system, or groundwater point source.

Underground Storage Tank (UST): any tank, including underground piping connected to the tank, that is or has been used to contain hazardous substances or petroleum products and the volume of which is 10% or more beneath the surface of the ground.

User: the party seeking to use Practice E1527 to complete an ESA of the Property.

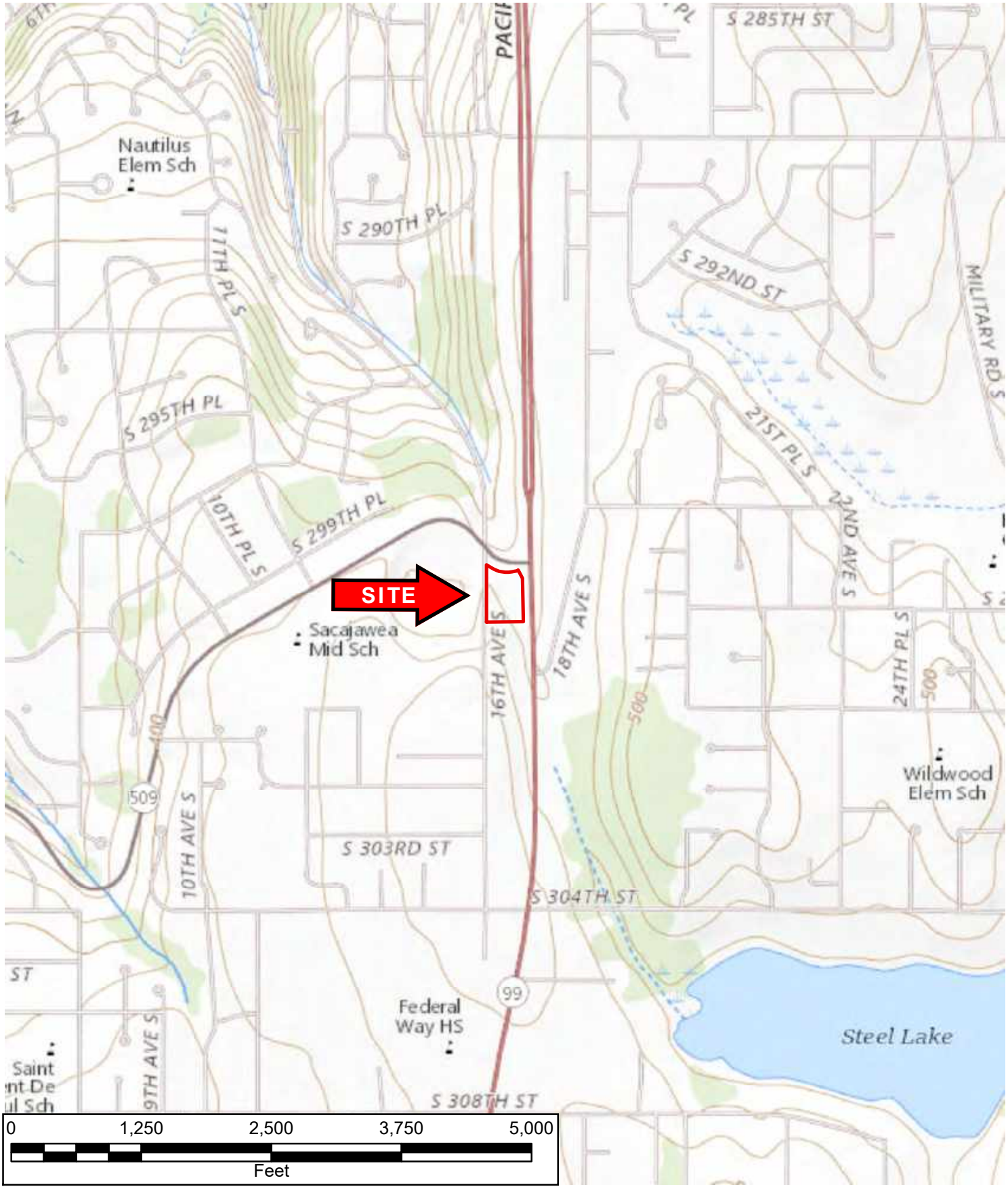
Visually and/or physically observed: observations made by vision while walking through the Property and the structures located on it and observations made by the sense of smell, particularly observations of noxious or foul odors.

Voluntary Cleanup Program (VCP): the VCP was established to provide administrative, technical and legal incentives to encourage the cleanup of contaminated commercial real estate.

Wastewater: water that (1) is or has been used in an industrial or manufacturing process, (2) conveys or has conveyed sewage, or (3) is directly related to manufacturing, processing, or raw materials storage areas at an industrial plant.

Zoning/land use records: indicates the uses permitted by the local government in particular zones within its jurisdiction.

FIGURES



TGE Project No.: R14196.01

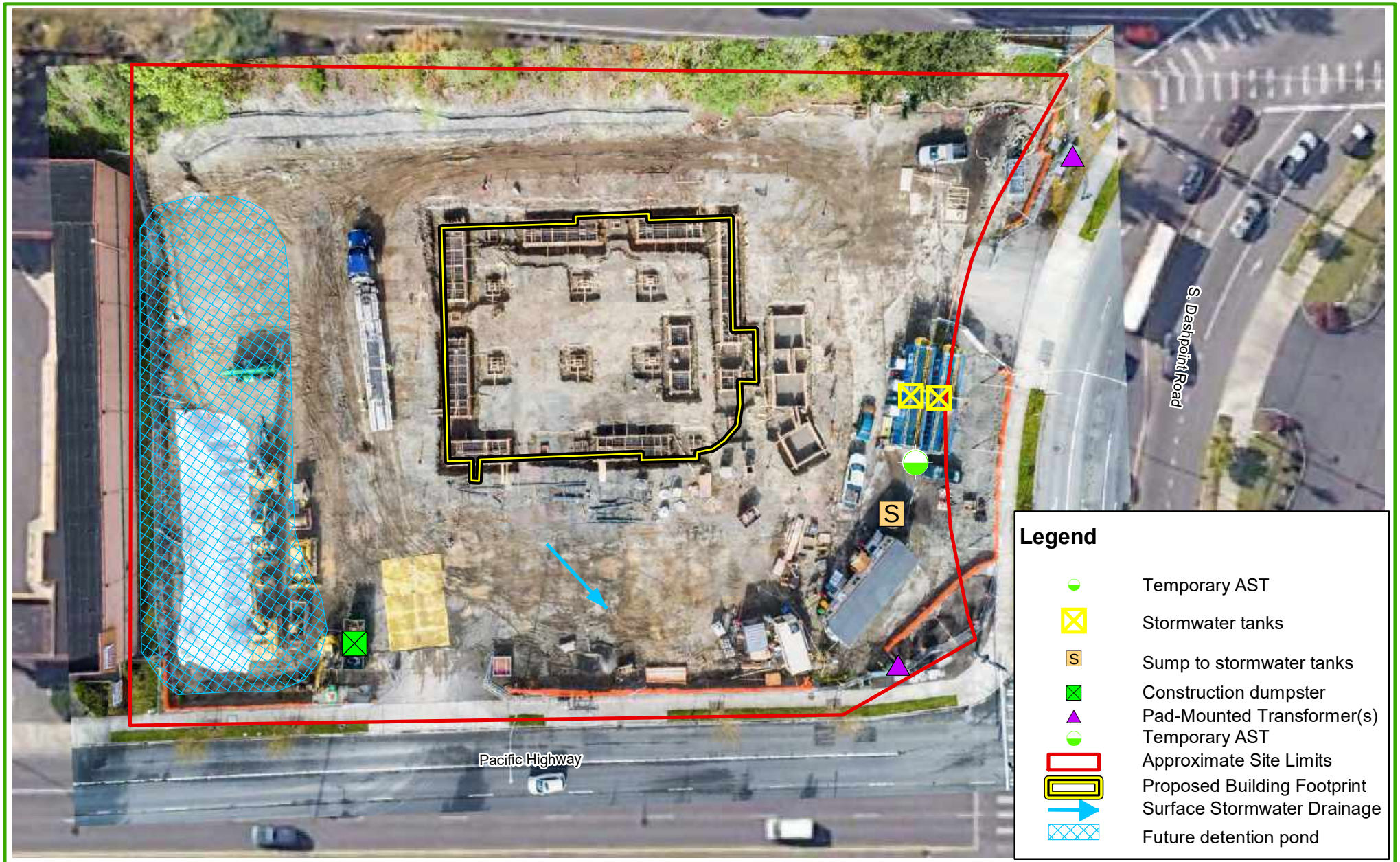
TGE RESOURCES, INC.
8048 Northcourt Road
Houston, Texas 77040

Figure 1
Site Location Map
USGS 7.5 Minute Series Topographic Map
Poverty Bay, Washington Quadrangle
2014

Federal Way Emergency Center
29805 Pacific Highway S
Federal Way, King County,WA
TGE Project No.: R14196.01

TGE RESOURCES, INC.
8048 Northcourt Road
Houston, Texas 77040

Figure 2
Site Vicinity Map



Federal Way Emergency Center
29805 Pacific Highway S
Federal Way, King County,WA
TGE Project No.: R14196.01

TGE RESOURCES, INC.
8048 Northcourt Road
Houston, Texas 77040

Figure 3
Site Details Map

APPENDIX A

Corporate Headquarters
8048 Northcourt Road
Houston, TX 77040
(713) 744-5800
800) 992-8048 (toll free)

TGERESOURCES,INC.

TGE Project No.: R14196.01

PHASE I ESA USER'S QUESTIONNAIRE

As a mandatory requirement of the User of the ESA report, generated in connection with ASTM Practice E1527-13 and per the federal AAI rule (40 CFR 312) the User shall provide the following information (as available) to the Environmental Professional ("EP") Prior to the required Site Visit. Failure to provide requested response could result in a determination that "all appropriate inquiry" is not complete and compromise the value of User's report. Information that is not (or cannot) be provided to the Environmental Professional may be identified as a "data gap" in the Phase I ESA report.

Please answer the following questions as completely as possible and contact TGE as necessary for assistance. Likewise, copies of records (as listed below) may be attached to this form and returned to TGE via electronic delivery; but must be provided prior to the Site inspection (if available).

Property Information Legal Description:

Property Map/Boundaries: See Attached

Property Name (if any): CF Federal Way LLC

Complete Property Address:

City: Federal Way State: Washington Zip:

General Property Use Type: ☐ Vacant Land ☒ Commercial

☐ Heavy Industrial ☐ Residential

1. **Environmental Cleanup Liens.** Are you aware of recorded land title records (or judicial records) where appropriate, (see Note 1) identifying any environmental cleanup liens filed or recorded against the property under federal, tribal, state or local law? *(Note 1: In certain jurisdictions, federal, tribal, state, or local statutes or regulations specify that environmental liens and AULs be filed in judicial records rather than in land title records. In such cases judicial records must be searched for environmental liens and AULs.)*

   X☐ No ☐ Yes, describe/attach details of the lien

2. **Activity and Land Use Limitations.** Are you aware of recorded land title records (or judicial records) where appropriate (see Note 1) identifying any activity and use limitations, such as engineering controls, land use restrictions, or institutional controls that are in place at the property and/or have been filed or recorded against the property under federal, tribal, state or local law?

   X☐ No ☐ Yes, attach details of the limitations

   If Yes, are you aware if you are in compliance with the AULs (including land use restrictions that were relied upon in connection with a response action)?

   ☐ No ☐ Yes, describe details of the limitations

Corporate Headquarters
8048 Northcourt Road
Houston, TX 77040
(713) 744-5800
800) 992-8048 (toll free)

TGERESOURCES,INC.

TGE Project No.: R14196.01

PHASE I ESA USER'S QUESTIONNAIRE

3. **Specialized Knowledge or Experience.** Do you have any specialized knowledge or experience related to the Property or nearby facilities? For example, are you involved in the same line of business as the current or former occupants of the Property or an adjoining facility, such that you would have specialized knowledge about chemicals and processes used by this type of business?

   ☐ No

   X☐ Yes, describe/attach details of specialized knowledge/experience

Only as available thru TGE documents

4. **Relationship of Purchase Price to Fair Market Value of Property.** If subject to purchase, does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, do you have any reason to believe that the reduced purchase price may be related to environmental contamination known or believed to be present at the property?

   ☐ Yes, I have reason to believe that the purchase price for the property has been reduced in comparison with the fair market value due to environmental contamination known or believed to be present at the property.

   X☐ No, I have no reason to believe that the purchase price for the property has been reduced in comparison with the fair market value due to environmental contamination known or believed to be present at the property.

   ☐ Not applicable. This ESA is not related to a purchase or sale of the Property.

5. **Commonly Known or Reasonably Ascertainable Information.** Are you aware of commonly known or reasonably ascertainable information about the property that would help the Environmental Professional to identify conditions indicative of releases or threatened releases of hazardous substances or petroleum products? For example:

   Do you know the past uses of the property? ☐ No X☐ Yes

   If Yes, describe

   Do you know of chemicals, hazardous substances or petroleum products that are present or once were present at the property? ☐ No X☐ Yes

   If Yes, describe

   Do you know of spills or other releases of chemicals, hazardous substances,

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or petroleum products that have taken place at the property? ☐ No X☐ Yes

If Yes, describe

Do you know of any environmental cleanups that have taken place at the property? ☐ No X☐ Yes

If Yes, describe

Only as available thru TGE documents

6. **The Degree of Obviousness of Contamination.** Based on your knowledge and experience related to the property, are there any *obvious* indictors that point to the presence or likely presence of hazardous materials or petroleum products at the property?

X☐ No ☐ Yes, describe

For EACH "YES" answer above, briefly explain and provide relevant documents to TGE to initiate the engagement.

_____

_____

_____

7. **Reason Phase I ESA is needed:**

X☐ Property purchase (NO bank loan origination)
☐ Property purchase (with lender loan origination or refinance)
☐ Lender foreclosure pending
☐ Property divestiture (sale)
☐ Property lease commencement
☐ 1031 Exchange requirement
☐ State filing requirement (IOP, VCP, MSD, etc.)
☐ Other (please specify): _____

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PHASE I ESA USER'S QUESTIONNAIRE

8. **Reliance party/ies other than party making this request:**
(Please specify any relevant contact information prior to project commencement)

N/A to representative of Seller

9. **Site contact (and how to reach them):**

Howard Vogel- 240-499-5745- hvogel@walkergroupadvisors.com

10. **Scope requirements beyond Practice E-1527:**

☐ No ☐ Yes (please specify): N/A

11. **Any special terms and conditions for work.** If yes, please provide; if no, TGE's default Contract Terms will apply.

☐ No ☐ Yes (please specify): N/A Unknown

Signature: James P. McManus

Name (printed): James P. McManus

Title: SVP + CFO

Date: 6/10/2020

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PHASE I ESA USER'S QUESTIONNAIRE

As a mandatory requirement of the User of the ESA report, generated in connection with ASTM Practice E1527-13 and per the federal AAI rule (40 CFR 312) the User shall provide the following information (as available) to the Environmental Professional ("EP") Prior to the required Site Visit. Failure to provide requested response could result in a determination that "all appropriate inquiry" is not complete and compromise the value of User's report. Information that is not (or cannot) be provided to the Environmental Professional may be identified as a "data gap" in the Phase I ESA report.

Please answer the following questions as completely as possible and contact TGE as necessary for assistance. Likewise, copies of records (as listed below) may be attached to this form and returned to TGE via electronic delivery; but must be provided prior to the Site inspection (if available).

Property Information Legal Description:

Property Map/Boundaries: See Attached

Property Name (if any): CF Federal Way LLC

Complete Property Address:

City: Federal Way State: Washington Zip:

General Property Use Type: ☐ Vacant Land ☒ Commercial

☐ Heavy Industrial ☐ Residential

1. **Environmental Cleanup Liens.** Are you aware of recorded land title records (or judicial records) where appropriate, (see Note 1) identifying any environmental cleanup liens filed or recorded against the property under federal, tribal, state or local law? *(Note 1: In certain jurisdictions, federal, tribal, state, or local statutes or regulations specify that environmental liens and AULs be filed in judicial records rather than in land title records. In such cases judicial records must be searched for environmental liens and AULs.)*

   ☑ No ☐ Yes, describe/attach details of the lien

2. **Activity and Land Use Limitations.** Are you aware of recorded land title records (or judicial records) where appropriate (see Note 1) identifying any activity and use limitations, such as engineering controls, land use restrictions, or institutional controls that are in place at the property and/or have been filed or recorded against the property under federal, tribal, state or local law?

   ☑ No ☐ Yes, attach details of the limitations

   If Yes, are you aware if you are in compliance with the AULs (including land use restrictions that were relied upon in connection with a response action)?

   ☐ No ☐ Yes, describe details of the limitations

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PHASE I ESA USER'S QUESTIONNAIRE

3. **Specialized Knowledge or Experience.** Do you have any specialized knowledge or experience related to the Property or nearby facilities? For example, are you involved in the same line of business as the current or former occupants of the Property or an adjoining facility, such that you would have specialized knowledge about chemicals and processes used by this type of business?

☑ No

☐ Yes, describe/attach details of specialized knowledge/experience

4. **Relationship of Purchase Price to Fair Market Value of Property.** If subject to purchase, does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, do you have any reason to believe that the reduced purchase price may be related to environmental contamination known or believed to be present at the property?

☐ Yes, I have reason to believe that the purchase price for the property has been reduced in comparison with the fair market value due to environmental contamination known or believed to be present at the property.

☑ No, I have no reason to believe that the purchase price for the property has been reduced in comparison with the fair market value due to environmental contamination known or believed to be present at the property.

☐ Not applicable. This ESA is not related to a purchase or sale of the Property.

5. **Commonly Known or Reasonably Ascertainable Information.** Are you aware of commonly known or reasonably ascertainable information about the property that would help the Environmental Professional to identify conditions indicative of releases or threatened releases of hazardous substances or petroleum products? For example:

Do you know the past uses of the property? ☐ No ☑ Yes

If Yes, describe

Do you know of chemicals, hazardous substances or petroleum products that are present or once were present at the property? ☐ No ☑ Yes

If Yes, describe

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PHASE I ESA USER'S QUESTIONNAIRE

Do you know of spills or other releases of chemicals, hazardous substances, or petroleum products that have taken place at the property? ☑ No ☐ Yes

If Yes, describe

Do you know of any environmental cleanups that have taken place at the property? ☐ No ☑ Yes

If Yes, describe

* SELLER PROVIDED COPIES OF INITIAL PHASE I AND DOCUMENTATION OF REMEDIATION EFFORTS IF APPLICABLE.

6. **The Degree of Obviousness of Contamination.** Based on your knowledge and experience related to the property, are there any *obvious* indictors that point to the presence or likely presence of hazardous materials or petroleum products at the property?

☑ No ☐ Yes, describe

For EACH "YES" answer above, briefly explain and provide relevant documents to TGE to initiate the engagement.

_____

_____

_____

7. **Reason Phase I ESA is needed:**

☐ Property purchase (NO bank loan origination)
☑ Property purchase (with lender loan origination or refinance)
☐ Lender foreclosure pending
☐ Property divestiture (sale)
☑ Property lease commencement
☐ 1031 Exchange requirement
☐ State filing requirement (IOP, VCP, MSD, etc.)
☐ Other (please specify): _____

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TGE Project No.: R14196.01

PHASE I ESA USER'S QUESTIONNAIRE

8. **Reliance party/ies other than party making this request:**
(Please specify any relevant contact information prior to project commencement)

LENDER RELIANCE LANGUAGE PROVIDED.

9. **Site contact (and how to reach them):**

DUDLEY CARPENTER

10. **Scope requirements beyond Practice E-1527:**

☑ No ☐ Yes (please specify): _____

11. **Any special terms and conditions for work.** If yes, please provide; if no, TGE's default Contract Terms will apply.

☑ No ☐ Yes (please specify): _____

Signature: _____

Name (printed): BEN M MANBLE

Title: EVP

Date: 6.5.2020

Department of Assessments

500 Fourth Avenue, Suite ADM-AS-0708, Seattle, WA 98104

Office Hours: Mon - Fri 8:30 a.m. to 4:30 p.m.

TEL: 206-296-7300
FAX: 206-296-5107
TTY: 206-296-7888

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PARCEL DATA

Parcel	042104-9157	**Jurisdiction**	FEDERAL WAY
Name	NIKLEXI LLC	**Levy Code**	1205
Site Address	29805 PACIFIC HWY S 98003	**Property Type**	C
		Plat Block / Building Number	
Geo Area	55-10	**Plat Lot / Unit Number**	
Spec Area		**Quarter-Section-Township-Range**	SW-4 -21-4
Property Name	PAYLESS AUTO MART		

Legal Description
PCL A FEDERAL WAY BLA # 18-102608-00-SU REC # 20190419900003 SD BLA BEING POR SW 1/4 OF NW 1/4 OF SW 1/4 STR 04-21-04
PLat Block:
Plat Lot:

LAND DATA

Highest & Best Use As If Vacant	COMMERCIAL SERVICE	**Percentage Unusable**	
Highest & Best Use As Improved	PRESENT USE	**Unbuildable**	NO
Present Use	Service Building	**Restrictive Size Shape**	NO
Land SqFt	74,343	**Zoning**	BC
Acres	1.71	**Water**	WATER DISTRICT
		Sewer/Septic	PUBLIC
		Road Access	PUBLIC
		Parking	ADEQUATE
		Street Surface	PAVED

Views

Rainier	
Territorial	
Olympics	
Cascades	
Seattle Skyline	
Puget Sound	
Lake Washington	
Lake Sammamish	
Lake/River/Creek	
Other View	

Waterfront

Waterfront Location	
Waterfront Footage	0
Lot Depth Factor	0
Waterfront Bank	
Tide/Shore	
Waterfront Restricted Access	
Waterfront Access Rights	NO
Poor Quality	NO
Proximity Influence	NO

Designations

Historic Site	
Current Use	(none)
Nbr Bldg Sites	
Adjacent to Golf Fairway	NO
Adjacent to Greenbelt	NO
Other Designation	NO
Deed Restrictions	NO
Development Rights Purchased	NO
Easements	NO
Native Growth Protection Easement	NO
DNR Lease	NO

Nuisances

Topography	
Traffic Noise	
Airport Noise	
Power Lines	NO
Other Nuisances	NO

Problems

Water Problems	NO
Transportation Concurrency	NO
Other Problems	NO

Environmental

Environmental	NO

BUILDING

Building Number	1
Building Description	RENTAL MARTS
Number Of Buildings Aggregated	1
Predominant Use	AUTOMOTIVE CENTER (410)
Shape	Rect or Slight Irreg
Construction Class	PREFAB STEEL
Building Quality	AVERAGE
Stories	1

Click the camera to see more pictures.
Picture of Building 1

Reference Links:

- King County Tax Links
- Property Tax Advisor
- Washington State Department of Revenue (External link)
- Washington State Board of Tax Appeals (External link)
- Board of Appeals/Equalization
- Districts Report
- iMap
- Recorder's Office
- Scanned images of surveys and other map documents

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Building Gross Sq Ft	6,350
Building Net Sq Ft	6,350
Year Built	1970
Eff. Year	1990
Percentage Complete	100
Heating System	SPACE HEATERS
Sprinklers	No
Elevators	

Section(s) Of Building Number: 1

Section Number	Section Use	Description	Stories	Height	Floor Number	Gross Sq Ft	Net Sq Ft
1	AUTOMOTIVE CENTER (410)	Retail/Office Portion	1	9		3,350	3,350
2	AUTOMOTIVE CENTER (410)	Service Garage Portion	1	14		2,250	2,250

Section Feature(s) Of Section Number: 2

Feature Type	Gross Sq Ft	Net Sq Ft
MEZZANINES-OFFICE (761)	750	750

TAX ROLL HISTORY

Account	Valued Year	Tax Year	Omit Year	Levy Code	Appraised Land Value ($)	Appraised Imps Value ($)	Appraised Total Value ($)	New Dollars ($)	Taxable Land Value ($)	Taxable Imps Value ($)	Taxable Total Value ($)	Tax Value Reason
042104915709	2019	2020		1205	1,486,800	288,300	1,775,100	0	1,486,800	288,300	1,775,100	
042104915709	2018	2019		1205	1,497,700	317,600	1,815,300	0	1,497,700	317,600	1,815,300	
042104915709	2017	2018		1205	469,700	68,700	538,400	0	469,700	68,700	538,400	
042104915709	2016	2017		1205	469,700	56,700	526,400	0	469,700	56,700	526,400	
042104915709	2015	2016		1205	469,700	34,800	504,500	0	469,700	34,800	504,500	
042104915709	2014	2015		1205	469,700	34,800	504,500	0	469,700	34,800	504,500	
042104915709	2013	2014		1205	422,700	94,400	517,100	0	422,700	94,400	517,100	
042104915709	2012	2013		1205	469,700	76,900	546,600	0	469,700	76,900	546,600	
042104915709	2011	2012		1205	469,700	79,700	549,400	0	469,700	79,700	549,400	
042104915709	2010	2011		1205	469,700	77,100	546,800	0	469,700	77,100	546,800	
042104915709	2009	2010		1205	469,700	1,000	470,700	0	469,700	1,000	470,700	
042104915709	2008	2009		1205	469,700	65,400	535,100	0	469,700	65,400	535,100	
042104915709	2007	2008		1205	375,700	66,600	442,300	0	375,700	66,600	442,300	
042104915709	2006	2007		1205	258,300	115,000	373,300	0	258,300	115,000	373,300	
042104915709	2005	2006		1205	164,600	118,600	283,200	0	164,600	118,600	283,200	
042104915709	2004	2005		1205	164,600	118,100	282,700	0	164,600	118,100	282,700	
042104915709	2003	2004		1205	164,600	135,700	300,300	0	164,600	135,700	300,300	
042104915709	2002	2003		1205	164,600	137,300	301,900	0	164,600	137,300	301,900	
042104915709	2001	2002		1205	164,600	106,700	271,300	0	164,600	106,700	271,300	
042104915709	2000	2001		1205	164,600	128,000	292,600	0	164,600	128,000	292,600	
042104915709	1999	2000		1205	164,600	128,000	292,600	0	164,600	128,000	292,600	
042104915709	1998	1999		1205	164,600	128,000	292,600	0	164,600	128,000	292,600	
042104915709	1997	1998		1205	0	0	0	0	164,600	128,000	292,600	
042104915709	1996	1997		1205	0	0	0	0	164,600	128,000	292,600	
042104915709	1994	1995		1205	0	0	0	0	164,600	128,000	292,600	
042104915709	1992	1993		1205	0	0	0	0	164,600	128,000	292,600	
042104915709	1990	1991		1205	0	0	0	0	129,300	97,500	226,800	
042104915709	1988	1989		3490	0	0	0	0	129,300	92,200	221,500	
042104915709	1986	1987		3490	0	0	0	0	129,300	92,200	221,500	
042104915709	1984	1985		3490	0	0	0	0	106,600	98,800	205,400	
042104915709	1982	1983		3490	0	0	0	0	115,300	106,900	222,200	

SALES HISTORY

Excise Number	Recording Number	Document Date	Sale Price	Seller Name	Buyer Name	Instrument	Sale Reason
2324990	20071217001008	11/29/2007	$1,550,000.00	LARSON RICHARD P+KAY A	NIKLEXI LLC	Statutory Warranty Deed	None
2128008	20050602001356	5/31/2005	$1,220,000.00	LEE SONG HWEE+KIL JA LEE	LARSON RICHARD P	Warranty Deed	None
1932077	20030103001940	12/30/2002	$742,500.00	AMERICAN DRUG STORES INC	LEE SONG HWEE+KIL JA	Special Warranty Deed	None
1839435	20010831001589	8/6/2001	$1,900,000.00	UNION BANK OF CALIFORNIA N A	AMERICAN DRUG STORES INC	Fiduciary Deed	None
1735298	20000208000416	1/28/2000	$0.00	EVANS RUTH M	UNION BANK OF CALIFORNIA	Quit Claim Deed	Trust

REVIEW HISTORY

PERMIT HISTORY

Permit Number	Permit Description	Type	Issue Date	Permit Value	Issuing Jurisdiction	Reviewed Date

19-101232-00-CO	ADD - Construction of a retaining wall to provide fire lane access to the back side of the building and maintain a stable slope on west property line.,	Remodel	8/5/2019	$300,000	FEDERAL WAY	
18-102604-00-CO	NEW - Construction of a 9,860 square foot one-story emergency medical services building. Includes plumbing and mechanical. Also includes associated site improvements.,	Building, New	8/5/2019	$3,044,867	FEDERAL WAY	

HOME IMPROVEMENT EXEMPTION

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Date: 6/3/2020

N

King County

CF Federal Way LLC
29805 Pacific Hwy S
FEDERAL WAY, WA 98003

Inquiry Number: 6082624.7
June 05, 2020

EDR Environmental Lien and AUL Search

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR Environmental Lien and AUL Search

The EDR Environmental Lien and AUL Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

29805 Pacific Hwy S
CF Federal Way LLC
FEDERAL WAY, WA 98003

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

AULs: Found ☐ Not Found ☒

RESEARCH SOURCE

Source 1:

King Recorder
King, WA

PROPERTY INFORMATION

Deed 1:

Type of Deed:	Statutory Warranty Deed
Title is vested in:	NikLexi LLC
Title received from:	Richard P Larson et al
Deed Dated	11/29/2007
Deed Recorded:	12/17/2007
Book:	NA
Page:	NA
Volume:	NA
Instrument:	20071217001008
Docket:	NA
Land Record Comments:	see exhibit
Miscellaneous Comments:	NA
Legal Description:	see exhibit
Legal Current Owner:	NikLexi LLC
Parcel # / Property Identifier:	0421049157
Comments:	see exhibit

Deed Exhibit 1

AFTER RECORDING MAIL TO:

NikLexi, LLC
c/o Curtis Nelson
627 E Francis Ave
Spokane, WA 99207

20071217001008
OLD REPUBLIC T WD 46.00
PAGE001 OF 007
12/17/2007 12:23
KING COUNTY, WA

Filed for Record at Request of:

E2324990
12/17/2007 12:20
KING COUNTY, WA
TAX $27,595.00
SALE $1,550,000.00 PAGE001 OF 001

Unofficial Copy

STATUTORY WARRANTY DEED

THE GRANTOR(S) **Richard P. Larson and Kay A. Larson, husband and wife,** for and in consideration of Ten Dollars and other good and valuable considerations, $10.00 in hand paid, conveys, and warrants to **NikLexi, LLC, a Washington limited liability company,** the following described real estate, situated in the County of King, State of Washington:

See Exhibit A pages 2 & 3 for legal description, attached hereto and by this reference incorporated herein.

ORT-CS 2602210

Abbreviated Legal Description: Portion of the Southwest quarter of Section 4, Township 21 North, Range 4 East, W.M. and as fully set forth under Exhibit 'A', at page 4.

SUBJECT TO: Easements, Reservations, Covenants, Conditions, Restrictions and Agreements of record. Subject to Exhibit B page 5 attached hereto and by this reference incorporated herein.

Assessor's Property Tax Parcel/Account Number: 042104-9033-09 and 042104-9157-09

ORDER NO. : 5226002210-C

EXHIBIT A

The land referred to is situated in the County of King, City of Federal Way, State of Washington, and is described as follows:

PARCEL A:

That portion of the Southwest quarter of Section 4, Township 21 North, Range 4 East, W.M., in King County, Washington, described as follows:

Beginning at a point 30 feet East of the Southwest corner of the Northwest quarter of the Northwest quarter of the Southwest quarter of said Section 4; running
THENCE North 89°45'51" East 234.86 feet to the West Marginal Line of Pacific Highway;
THENCE following the said Westerly marginal line North 1°41'56" West 235.00 feet, more or less, to the Southerly marginal line of National Park Highway;
THENCE following said Marginal Line on a curve, 240.00 feet, more or less, to a point 30.00 feet East of the West section line of said Section 4;
THENCE South 0°36'37" East, parallel to said Section Line 250.00 feet, more or less, to the Point of Beginning;

EXCEPT any portion thereof conveyed to King County for Road by Deed recorded under Recording No. 2501551.
AND EXCEPT that portion taken by the City of Federal Way under King County Superior Court Cause No. 06-2-01388-KNT.

PARCEL B:

The North 100 feet, as measured on the West line of the following described tract:

Beginning at a point 30 feet East and 329.91 feet North of the Southwest corner of the Northwest quarter of the Southeast quarter of Section 4, Township 21 North, Range 4 East, W.M., in King County, Washington;
THENCE East 241.13 feet, more or less, to the West line of Pacific Highway;
THENCE North along the West line of said Highway 329.57 feet;
THENCE West 234.86 feet to a point 30 feet East of the West line of the Northwest quarter of the Southwest quarter of said Section 4;
THENCE South 329.91 feet to the Point of Beginning;

The above Parcels A and B being described wholly and more particularly as follows:

Beginning at a point which lies South 58°31'14" East 39.00 feet and South 01°03'44" West 100.00 feet from the Southwest corner of the Northwest quarter of the Northwest quarter of the Southwest quarter of Section 4, Township 21 North, Range 4 East, W.M., in King County, Washington;
THENCE North 01°03'44" East along the East margin of 16th Avenue South 361.30 feet to the Southerly margin of Dash Point Road and the beginning of a non-tangent curve to the left,

Unofficial Copy

along said Margin having a center point which bears North 39°36'59" East a distance of 189.15 feet;
THENCE Easterly along said Curve through a central angle of 61°18'05" arc distance of 202.37 feet to the Westerly margin of Auburn-Redondo Road (King County Road No. 1359);
THENCE South 28°25'23" East along said Margin 82.17 feet to the West margin of Pacific Highway South;
THENCE South 00°02'02" West 265.01 feet to a point which bears South 88°31'14" East from the Point of Beginning;
THENCE North 88°31'14" West 236.23 feet to the Point of Beginning.

EXCEPT that portion taken by the City of Federal Way under King County Superior Court Cause No. 06-2-01388-KNT.

BOTH SITUATE in the County of King, State of Washington

ABBREVIATED LEGAL

Portion of the Southwest quarter of Section 4, Township 21 North, Range 4 East, W.M.

Tax Account Nos. 042104-9033-09 and 042104-9157-09

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EXHIBIT B

Terms and provisions as contained in an instrument,

Entitled	:	Notice of Additional Water or Sewer Facility Tap or Connection Charge
Recorded	:	May 12, 1989 in Official Records under Recording Number 8905120210

This Notice supersedes in its entirety the "Notice of Tap or Connection Charges pursuant to RCW 65.08.170" filed with King County, Washington under Recording No. 8106010916.

An easement affecting that portion of said land and for the purposes stated herein and incidental purposes as provided in the following

Granted To	:	The Pacific Telephone and Telegraph Company
For	:	The right to erect and maintain poles, with the necessary wires and fixtures
Recorded	:	December 11, 1926 in Book 1343 of Official Records, Page 25 under Recording Number 2279404
Affects	:	The description contained therein is not sufficient to determine its exact location within the property herein described

This easement being given in substitution for, and cancellation of, that certain easement between the part hereto, recorded in Volume 1236 of Deeds, page 23 of the records, in the office of the County Auditor of King County, Washington.

Agreement for	:	Release of Damage Agreement
Executed By	:	Ruth Ann Murphy
and Between	:	Lakehaven Sewer District

On the terms, covenants and conditions contained therein,

Recorded	:	November 21, 1979 in Official Records under Recording Number 7911210771

Releasing Lakehaven Sewer District from all future claims for damages resulting from permission to construct a side sewer to connect these premises

Office Copy

An easement affecting that portion of said land and for the purposes stated herein and incidental purposes as provided in the following

Granted To	:	City of Federal Way, a municipal corporation
For	:	Inspecting, constructing, excavating, installing, maintaining, restoring and repairing surface and storm water drainage facilities
Recorded	:	August 31, 1993 in Official Records under Recording Number 9308312475
Affects	:	Said Premises

The description contained therein is not sufficient to determine its exact location within the property herein described.

Terms and provisions as contained in an instrument,

Entitled	:	Matters disclosed by recital in Special Warranty Deed
Recorded	:	January 3, 2003 in Official Records under Recording Number 20030103001940

Which, among other things, provides: Set forth by Survey prepared by Bush Roed and Hitchings, Inc., dated July 27, 2001 under Job No. 2000326.00, as follows: A) Storm Drainage from Pacific Highway crosses Northeasterly portions of property as shown. B) Storm Drainage from Dash Point Road crosses Northerly portions of property as shown. C) Overhead power crosses Northerly portion of property, as shown.

An easement affecting that portion of said land and for the purposes stated herein and incidental purposes as provided in the following:

Condemned to: City of Federal Way
For: Slopes
Filed in King County Superior Court Cause No. 06-2-01388-KNT on April 6, 2006.

Unofficial Copy

Terms and provisions as contained in an instrument,

Entitled	:	Consent Judgement and Decress of Appropriation (Larson - Parcels 55/56)
Executed By	:	Richard J. Larson and Kay A. Larson and the City of Federal Way
Dated	:	June 18, 2006
Recorded	:	June 26, 2007 in Official Records under Recording Number 20070626001067

Agreement for	:	Right of Entry
Executed By	:	Richard P. Larson and Kay A. Larson, husband and wife
and Between	:	City of Federal Way, a Washington municipal corporation

On the terms, covenants and conditions contained therein,

Dated	:	April 5, 2007
Recorded	:	October 4, 2007 in Official Records under Recording Number 20071004001261

Agreement for	:	Right of Entry
Executed By	:	Richard P. Larson and Kay A. Larson, husband and wife
and Between	:	City of Federal Way, a Washington municipal corporation

On the terms, covenants and conditions contained therein,

Dated	:	April 5, 2007
Recorded	:	October 4, 2007 in Official Records under Recording Number 20071004001262

Unofficial Copy

Dated: 11/26/07

By _____
Richard P Larson

By _____
Kay A Larson

(Entity)

STATE OF _____)
)-ss
COUNTY OF _____)

I certify that I know or have satisfactory evidence that _____, (is/are) the person(s) who appeared before me, and said person(s) acknowledged that (he/she/they) signed this instrument, on oath stated that (he/she/they) (is/are) authorized to execute the instrument and acknowledged it as the _____ of _____ to be the free and voluntary act of such party(ies) for the uses and purposes mentioned in this instrument.

Dated: _____

_____
Notary Public in and for the state of _____
My appointment expires: _____

(Individual)

STATE OF Wa)
)-ss
COUNTY OF King)

I certify that I know or have satisfactory evidence that Richard P Larson and Kay A. Larson, is the persons who appeared before me, and said persons acknowledged that they signed this instrument and acknowledged it to be their free and voluntary act for the uses and purposes mentioned in this instrument.

Dated: 11/29/07

SANDRA L. DUFFIN NOTARY PUBLIC STATE OF WASHINGTON COMMISSION EXPIRES 5-01-11

_____
Name: SANDRA L DUFFIN
Notary Public in and for the state of Wa
My appointment expires: 5-1-11

LPB-10-05

Unofficial Copy

MISCELLANEOUS EXHIBITS

Cleanup Site Details

Cleanup Site ID: 5427

Cleanup Site ID: 5427 **Facility/Site ID:** 7222592 **UST ID:** 6523 Site Page | Site Documents | View Map

Cleanup Site Name: Payless Auto Mart Glossary

Alternate Names: Payless Auto, Payless Auto Mart, RENTAL MARTS, Ruth Evans Trust

LOCATION

Address: 29805 PACIFIC HWY S **City:** FEDERAL WAY **Zip Code:** 98003 **County:** King

Latitude: 47.33492 **Longitude:** -122.31275 **WRIA:** 9 **Legislative District:** 30 **Congressional District:** 9 **TRS:**

DETAIL

Status: Cleanup Started **NFA Received?** No **Is PSI site?** No

Statute: MTCA **NFA Date:** N/A **Current VCP?** Yes **Past VCP?** Yes

Site Rank: N/A **NFA Reason:** N/A **Brownfield?** No

Site Manager: Warfel, Michael **Responsible Unit:** Northwest **Active Institutional Control?** No

CLEANUP UNITS

Cleanup Unit Name	Unit Type	Unit Status	Resp Unit	Unit Manager	Current Process
Payless Auto Mart	Upland	Cleanup Started	NW	Warfel, Michael	Voluntary Cleanup Program

ACTIVE INSTITUTIONAL CONTROLS

Instrument Type	Restriction Media	Restrictions/Requirements	Date	Recording Number	Recording County	Tax Parcel
There are no current Institutional Controls in effect for this site.						

AFFECTED MEDIA & CONTAMINANTS

	MEDIA					
Contaminant	**Soil**	**Groundwater**	**Surface Water**	**Sediment**	**Air**	**Bedrock**
Petroleum-Diesel	C					
Petroleum-Other	C					

Key:
B - Below Cleanup Level C - Confirmed Above Cleanup Level RA - Remediated-Above
S - Suspected R - Remediated RB - Remediated-Below

SITE ACTIVITIES

Activity	Status	Start Date	End Date/ Completion Date
LUST - Report Received	Completed		7/26/1993
LUST - Report Received	Completed		7/26/1993
LUST - Notification	Completed		8/26/1993
LUST - Report Received	Completed		7/27/1994
LUST - Report Received	Completed		3/8/2001
VCP Opinion on Cleanup Action	Completed	3/13/2001	5/17/2001
Site Status Changed to NFA	Completed		5/17/2001
LUST - Report Received	Completed		4/16/2020
LUST - Report Received	Completed		4/16/2020

SITE ACTIVITIES

Activity	Status	Start Date	End Date/ Completion Date
LUST - Report Received	Completed		4/16/2020
LUST - Report Received	Completed		4/16/2020
LUST - Report Received	Completed		4/16/2020
Reopen Site	Completed		5/12/2020
VCP Opinion on Site Cleanup	In Process	5/14/2020	

First American

Owner's Policy

Owner's Policy of Title Insurance
ISSUED BY
First American Title Insurance Company
POLICY NUMBER
5011453-865869

Any notice of claim and any other notice or statement in writing required to be given to the Company under this policy must be given to the Company at the address shown in Section 18 of the Conditions.

COVERED RISKS

SUBJECT TO THE EXCLUSIONS FROM COVERAGE, THE EXCEPTIONS FROM COVERAGE CONTAINED IN SCHEDULE B, AND THE CONDITIONS, **FIRST AMERICAN TITLE INSURANCE COMPANY**, a Nebraska corporation (the "Company") insures, as of Date of Policy and, to the extent stated in Covered Risks 9 and 10, after Date of Policy, against loss or damage, not exceeding the Amount of Insurance, sustained or incurred by the Insured by reason of:

1. Title being vested other than as stated in Schedule A.
2. Any defect in or lien or encumbrance on the Title. This Covered Risk includes but is not limited to insurance against loss from
   (a) A defect in the Title caused by
      (i) forgery, fraud, undue influence, duress, incompetency, incapacity, or impersonation;
      (ii) failure of any person or Entity to have authorized a transfer or conveyance;
      (iii) a document affecting Title not properly created, executed, witnessed, sealed, acknowledged, notarized, or delivered;
      (iv) failure to perform those acts necessary to create a document by electronic means authorized by law;
      (v) a document executed under a falsified, expired, or otherwise invalid power of attorney;
      (vi) a document not properly filed, recorded, or indexed in the Public Records including failure to perform those acts by electronic means authorized by law; or
      (vii) a defective judicial or administrative proceeding.
   (b) The lien of real estate taxes or assessments imposed on the Title by a governmental authority due or payable, but unpaid.
   (c) Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land. The term "encroachment" includes encroachments of existing improvements located on the Land onto adjoining land, and encroachments onto the Land of existing improvements located on adjoining land.
3. Unmarketable Title.
4. No right of access to and from the Land.

(Covered Risks Continued on Page 2)

In Witness Whereof, First American Title Insurance Company has caused its corporate name to be hereunto affixed by its authorized officers as of Date of Policy shown in Schedule A.

First American Title Insurance Company

Dennis J. Gilmore
President

Jeffrey S. Robinson
Secretary

(This Policy is valid only when Schedules A and B are attached)

This Jacket was created electronically and constitutes an original document

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COVERED RISKS (Continued)

5. The violation or enforcement of any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
   (a) the occupancy, use, or enjoyment of the Land;
   (b) the character, dimensions, or location of any improvement erected on the Land;
   (c) the subdivision of land; or
   (d) environmental protection
   if a notice, describing any part of the Land, is recorded in the Public Records setting forth the violation or intention to enforce, but only to the extent of the violation or enforcement referred to in that notice.
6. An enforcement action based on the exercise of a governmental police power not covered by Covered Risk 5 if a notice of the enforcement action, describing any part of the Land, is recorded in the Public Records, but only to the extent of the enforcement referred to in that notice.
7. The exercise of the rights of eminent domain if a notice of the exercise, describing any part of the Land, is recorded in the Public Records.
8. Any taking by a governmental body that has occurred and is binding on the rights of a purchaser for value without Knowledge.
9. Title being vested other than as stated in Schedule A or being defective
   (a) as a result of the avoidance in whole or in part, or from a court order providing an alternative remedy, of a transfer of all or any part of the title to or any interest in the Land occurring prior to the transaction vesting Title as shown in Schedule A because that prior transfer constituted a fraudulent or preferential transfer under federal bankruptcy, state insolvency, or similar creditors' rights laws; or
   (b) because the instrument of transfer vesting Title as shown in Schedule A constitutes a preferential transfer under federal bankruptcy, state insolvency, or similar creditors' rights laws by reason of the failure of its recording in the Public Records
      (i) to be timely, or
      (ii) to impart notice of its existence to a purchaser for value or to a judgment or lien creditor.
10. Any defect in or lien or encumbrance on the Title or other matter included in Covered Risks 1 through 9 that has been created or attached or has been filed or recorded in the Public Records subsequent to Date of Policy and prior to the recording of the deed or other instrument of transfer in the Public Records that vests Title as shown in Schedule A.

The Company will also pay the costs, attorneys' fees, and expenses incurred in defense of any matter insured against by this Policy, but only to the extent provided in the Conditions.

EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
      (i) the occupancy, use, or enjoyment of the Land;
      (ii) the character, dimensions, or location of any improvement erected on the Land;
      (iii) the subdivision of land; or
      (iv) environmental protection;
      or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5.
   (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 6.
2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
3. Defects, liens, encumbrances, adverse claims, or other matters
   (a) created, suffered, assumed, or agreed to by the Insured Claimant;
   (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
   (c) resulting in no loss or damage to the Insured Claimant;
   (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 9 and 10); or
   (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Title.
4. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction vesting the Title as shown in Schedule A, is
   (a) a fraudulent conveyance or fraudulent transfer; or
   (b) a preferential transfer for any reason not stated in Covered Risk 9 of this policy.
5. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching between Date of Policy and the date of recording of the deed or other instrument of transfer in the Public Records that vests Title as shown in Schedule A.

CONDITIONS

1. DEFINITION OF TERMS

The following terms when used in this policy mean:

(a) "Amount of Insurance": The amount stated in Schedule A, as may be increased or decreased by endorsement to this policy, increased by Section 8(b), or decreased by Sections 10 and 11 of these Conditions.

(b) "Date of Policy": The date designated as "Date of Policy" in Schedule A.

(c) "Entity": A corporation, partnership, trust, limited liability company, or other similar legal entity.

(d) "Insured": The Insured named in Schedule A.

(i) The term "Insured" also includes

(A) successors to the Title of the Insured by operation of law as distinguished from purchase, including heirs, devisees, survivors, personal representatives, or next of kin;

(B) successors to an Insured by dissolution, merger, consolidation, distribution, or reorganization;

(C) successors to an Insured by its conversion to another kind of Entity;

(D) a grantee of an Insured under a deed delivered without payment of actual valuable consideration conveying the Title

(1) if the stock, shares, memberships, or other equity interests of the grantee are wholly-owned by the named Insured,

(2) if the grantee wholly owns the named Insured,

(3) if the grantee is wholly-owned by an affiliated Entity of the named Insured, provided the affiliated Entity and the named Insured are both wholly-owned by the same person or Entity, or

(4) if the grantee is a trustee or beneficiary of a trust created by a written instrument established by the Insured named in Schedule A for estate planning purposes.

(ii) With regard to (A), (B), (C), and (D) reserving, however, all rights and defenses as to any successor that the Company would have had against any predecessor Insured.

(e) "Insured Claimant": An Insured claiming loss or damage.

(f) "Knowledge" or "Known": Actual knowledge, not constructive knowledge or notice that may be imputed to an Insured by reason of the Public Records or any other records that impart constructive notice of matters affecting the Title.

(g) "Land": The land described in Schedule A, and affixed improvements that by law constitute real property. The term "Land" does not include any property beyond the lines of the area described in Schedule A, nor any right, title, interest, estate, or easement in abutting streets, roads, avenues, alleys, lanes, ways, or waterways, but this does not modify or limit the extent that a right of access to and from the Land is insured by this policy.

(h) "Mortgage": Mortgage, deed of trust, trust deed, or other security instrument, including one evidenced by electronic means authorized by law.

(i) "Public Records": Records established under state statutes at Date of Policy for the purpose of imparting constructive notice of matters relating to real property to purchasers for value and without Knowledge. With respect to Covered Risk 5(d), "Public Records" shall also include environmental protection liens filed in the records of the clerk of the United States District Court for the district where the Land is located.

(j) "Title": The estate or interest described in Schedule A.

(k) "Unmarketable Title": Title affected by an alleged or apparent matter that would permit a prospective purchaser or lessee of the Title or lender on the Title to be released from the obligation to purchase, lease, or lend if there is a contractual condition requiring the delivery of marketable title.

2. CONTINUATION OF INSURANCE

The coverage of this policy shall continue in force as of Date of Policy in favor of an Insured, but only so long as the Insured retains an estate or interest in the Land, or holds an obligation secured by a purchase money Mortgage given by a purchaser from the Insured, or only so long as the Insured shall have liability by reason of warranties in any transfer or conveyance of the Title. This policy shall not continue in force in favor of any purchaser from the Insured of either (i) an estate or interest in the Land, or (ii) an obligation secured by a purchase money Mortgage given to the Insured.

3. NOTICE OF CLAIM TO BE GIVEN BY INSURED CLAIMANT

The Insured shall notify the Company promptly in writing (i) in case of any litigation as set forth in Section 5(a) of these Conditions, (ii) in case Knowledge shall come to an Insured hereunder of any claim of title or interest that is adverse to the Title, as insured, and that might cause loss or damage for which the Company may be liable by virtue of this policy, or (iii) if the Title, as insured, is rejected as Unmarketable Title. If the Company is prejudiced by the failure of the Insured Claimant to provide prompt notice, the Company's liability to the Insured Claimant under the policy shall be reduced to the extent of the prejudice.

4. PROOF OF LOSS

In the event the Company is unable to determine the amount of loss or damage, the Company may, at its option, require as a condition of payment that the Insured Claimant furnish a signed proof of loss. The proof of loss must describe the defect, lien, encumbrance, or other matter insured against by this policy that constitutes the basis of loss or damage and shall state, to the extent possible, the basis of calculating the amount of the loss or damage.

5. DEFENSE AND PROSECUTION OF ACTIONS

(a) Upon written request by the Insured, and subject to the options contained in Section 7 of these Conditions, the Company, at its own cost and without unreasonable delay, shall provide for the defense of an Insured in litigation in which any third party asserts a claim covered by this policy adverse to the Insured. This obligation is limited to only those stated causes of action alleging matters insured against by this policy. The Company shall have the right to select counsel of its choice (subject to the right of the Insured to object for reasonable cause) to represent the Insured as to those stated causes of action. It shall not be liable for and will not pay the fees of any other counsel. The Company will not pay any fees, costs, or expenses incurred by the Insured in the defense of those causes of action that allege matters not insured against by this policy.

(b) The Company shall have the right, in addition to the options contained in Section 7 of these Conditions, at its own cost, to institute and prosecute any action or proceeding or to do any other act that in its opinion may be necessary or desirable to establish the Title, as insured, or to prevent or reduce loss or damage to the Insured. The Company may take any appropriate action under the terms of this policy, whether or not it shall be liable to the Insured. The exercise of these rights shall not be an admission of liability or waiver of any provision of this policy. If the Company exercises its rights under this subsection, it must do so diligently.

(c) Whenever the Company brings an action or asserts a defense as required or permitted by this policy, the Company may pursue the litigation to a final determination by a court of competent jurisdiction, and it expressly reserves the right, in its sole discretion, to appeal any adverse judgment or order.

6. DUTY OF INSURED CLAIMANT TO COOPERATE

(a) In all cases where this policy permits or requires the Company to prosecute or provide for the defense of any action or proceeding and any appeals, the Insured shall secure to the Company the right to so prosecute or provide defense in the action or proceeding, including the right to use, at its option, the name of the Insured for this purpose. Whenever requested by the Company, the Insured, at the Company's expense, shall give the Company all reasonable aid (i) in securing evidence, obtaining witnesses, prosecuting or defending the action or proceeding, or effecting settlement, and (ii) in any other lawful act that in the opinion of the Company may be necessary or desirable to establish the Title or any other matter as insured. If the Company is prejudiced by the failure of the Insured to furnish the required cooperation, the Company's obligations to the Insured under the policy shall terminate, including any liability or obligation to defend, prosecute, or continue any litigation, with regard to the matter or matters requiring such cooperation.

(b) The Company may reasonably require the Insured Claimant to submit to examination under oath by any authorized representative of the Company and to produce for examination, inspection, and copying, at such reasonable times and places as may be designated by the authorized representative of the Company, all records, in whatever medium maintained, including books, ledgers, checks, memoranda, correspondence, reports, e-mails, disks, tapes, and videos whether bearing a date before or after Date of Policy, that reasonably pertain to the loss or damage. Further, if requested by any authorized representative of the Company, the Insured Claimant shall grant its permission, in writing, for any authorized representative of the Company to examine, inspect, and copy all of these records in the custody or control of a third party that reasonably pertain to the loss or damage. All information designated as confidential by the Insured Claimant provided to the Company pursuant to this Section shall not be disclosed to others unless, in the reasonable judgment of the Company, it is necessary in the administration of the claim. Failure of the Insured Claimant to submit for examination under oath, produce any reasonably requested information, or grant permission to secure reasonably necessary information from third parties as required in this subsection, unless prohibited by law or governmental regulation, shall terminate any liability of the Company under this policy as to that claim.

7. OPTIONS TO PAY OR OTHERWISE SETTLE CLAIMS; TERMINATION OF LIABILITY

In case of a claim under this policy, the Company shall have the following additional options:

(a) To Pay or Tender Payment of the Amount of Insurance.
To pay or tender payment of the Amount of Insurance under this policy together with any costs, attorneys' fees, and expenses incurred by the Insured Claimant that were authorized by the Company up to the time of payment or tender of payment and that the Company is obligated to pay.
Upon the exercise by the Company of this option, all liability and obligations of the Company to the Insured under this policy, other than to make the payment required in this subsection, shall terminate, including any liability or obligation to defend, prosecute, or continue any litigation.

(b) To Pay or Otherwise Settle With Parties Other Than the Insured or With the Insured Claimant.
(i) To pay or otherwise settle with other parties for or in the name of an Insured Claimant any claim insured against under this policy. In addition, the Company will pay any costs, attorneys' fees, and expenses incurred by the Insured Claimant that were authorized by the Company up to the time of payment and that the Company is obligated to pay; or
(ii) To pay or otherwise settle with the Insured Claimant the loss or damage provided for under this policy, together with any costs, attorneys' fees, and expenses incurred by the Insured Claimant that were authorized by the Company up to the time of payment and that the Company is obligated to pay.

Upon the exercise by the Company of either of the options provided for in subsections (b)(i) or (ii), the Company's obligations to the Insured under this policy for the claimed loss or damage, other than the payments required to be made, shall terminate, including any liability or obligation to defend, prosecute, or continue any litigation.

8. DETERMINATION AND EXTENT OF LIABILITY

This policy is a contract of indemnity against actual monetary loss or damage sustained or incurred by the Insured Claimant who has suffered loss or damage by reason of matters insured against by this policy.

(a) The extent of liability of the Company for loss or damage under this policy shall not exceed the lesser of
(i) the Amount of Insurance; or
(ii) the difference between the value of the Title as insured and the value of the Title subject to the risk insured against by this policy.

(b) If the Company pursues its rights under Section 5 of these Conditions and is unsuccessful in establishing the Title, as insured,
(i) the Amount of Insurance shall be increased by 10%, and
(ii) the Insured Claimant shall have the right to have the loss or damage determined either as of the date the claim was made by the Insured Claimant or as of the date it is settled and paid.

(c) In addition to the extent of liability under (a) and (b), the Company will also pay those costs, attorneys' fees, and expenses incurred in accordance with Sections 5 and 7 of these Conditions.

9. LIMITATION OF LIABILITY

(a) If the Company establishes the Title, or removes the alleged defect, lien, or encumbrance, or cures the lack of a right of access to or from the Land, or cures the claim of Unmarketable Title, all as insured, in a reasonably diligent manner by any method, including litigation and the completion of any appeals, it shall have fully performed its obligations with respect to that matter and shall not be liable for any loss or damage caused to the Insured.

(b) In the event of any litigation, including litigation by the Company or with the Company's consent, the Company shall have no liability for loss or damage until there has been a final determination by a court of competent jurisdiction, and disposition of all appeals, adverse to the Title, as insured.

(c) The Company shall not be liable for loss or damage to the Insured for liability voluntarily assumed by the Insured in settling any claim or suit without the prior written consent of the Company.

10. REDUCTION OF INSURANCE; REDUCTION OR TERMINATION OF LIABILITY

All payments under this policy, except payments made for costs, attorneys' fees, and expenses, shall reduce the Amount of Insurance by the amount of the payment.

11. LIABILITY NONCUMULATIVE

The Amount of Insurance shall be reduced by any amount the Company pays under any policy insuring a Mortgage to which exception is taken in Schedule B or to which the Insured has agreed, assumed, or taken subject, or which is executed by an Insured after Date of Policy and which is a charge or lien on the Title, and the amount so paid shall be deemed a payment to the Insured under this policy.

12. PAYMENT OF LOSS

When liability and the extent of loss or damage have been definitely fixed in accordance with these Conditions, the payment shall be made within 30 days.

13. RIGHTS OF RECOVERY UPON PAYMENT OR SETTLEMENT

(a) Whenever the Company shall have settled and paid a claim under this policy, it shall be subrogated and entitled to the rights of the Insured Claimant in the Title and all other rights and remedies in respect to the claim that the Insured Claimant has against any person or property, to the extent of the amount of any loss, costs, attorneys' fees, and expenses paid by the Company. If requested by the Company, the Insured Claimant shall execute documents to evidence the transfer to the Company of these rights and remedies. The Insured Claimant shall permit the Company to sue, compromise, or settle in the name of the Insured Claimant and to use the name of the Insured Claimant in any transaction or litigation involving these rights and remedies.

If a payment on account of a claim does not fully cover the loss of the Insured Claimant, the Company shall defer the exercise of its right to recover until after the Insured Claimant shall have recovered its loss.

(b) The Company's right of subrogation includes the rights of the Insured to indemnities, guaranties, other policies of insurance, or bonds, notwithstanding any terms or conditions contained in those instruments that address subrogation rights.

14. ARBITRATION

Either the Company or the Insured may demand that the claim or controversy shall be submitted to arbitration pursuant to the Title Insurance Arbitration Rules of the American Land Title Association ("Rules"). Except as provided in the Rules, there shall be no joinder or consolidation with claims or controversies of other persons. Arbitrable matters may include, but are not limited to, any controversy or claim between the Company and the Insured arising out of or relating to this policy, any service in connection with its issuance or the breach of a policy provision, or to any other controversy or claim arising out of the transaction giving rise to this policy. All arbitrable matters when the Amount of Insurance is $2,000,000 or less shall be arbitrated at the option of either the Company or the Insured. All arbitrable matters when the Amount of Insurance is in excess of $2,000,000 shall be arbitrated only when agreed to by both the Company and the Insured. Arbitration pursuant to this policy and under the Rules shall be binding upon the parties. Judgment upon the award rendered by the Arbitrator(s) may be entered in any court of competent jurisdiction.

15. LIABILITY LIMITED TO THIS POLICY; POLICY ENTIRE CONTRACT

(a) This policy together with all endorsements, if any, attached to it by the Company is the entire policy and contract between the Insured and the Company. In interpreting any provision of this policy, this policy shall be construed as a whole.

(b) Any claim of loss or damage that arises out of the status of the Title or by any action asserting such claim shall be restricted to this policy.

(c) Any amendment of or endorsement to this policy must be in writing and authenticated by an authorized person, or expressly incorporated by Schedule A of this policy.

(d) Each endorsement to this policy issued at any time is made a part of this policy and is subject to all of its terms and provisions. Except as the endorsement expressly states, it does not (i) modify any of the terms and provisions of the policy, (ii) modify any prior endorsement, (iii) extend the Date of Policy, or (iv) increase the Amount of Insurance.

16. SEVERABILITY

In the event any provision of this policy, in whole or in part, is held invalid or unenforceable under applicable law, the policy shall be deemed not to include that provision or such part held to be invalid, but all other provisions shall remain in full force and effect.

17. CHOICE OF LAW; FORUM

(a) Choice of Law: The Insured acknowledges the Company has underwritten the risks covered by this policy and determined the premium charged therefor in reliance upon the law affecting interests in real property and applicable to the interpretation, rights, remedies, or enforcement of policies of title insurance of the jurisdiction where the Land is located.

Therefore, the court or an arbitrator shall apply the law of the jurisdiction where the Land is located to determine the validity of claims against the Title that are adverse to the Insured and to interpret and enforce the terms of this policy. In neither case shall the court or arbitrator apply its conflicts of law principles to determine the applicable law.

(b) Choice of Forum: Any litigation or other proceeding brought by the Insured against the Company must be filed only in a state or federal court within the United States of America or its territories having appropriate jurisdiction.

18. NOTICES, WHERE SENT

Any notice of claim and any other notice or statement in writing required to be given to the Company under this policy must be given to the Company at **First American Title Insurance Company, Attn: Claims National Intake Center, 1 First American Way; Santa Ana, CA 92707. Phone: 888-632-1642.**

First American

Schedule A

Owner's Policy of Title Insurance

ISSUED BY

First American Title Insurance Company

POLICY NUMBER

865869

Name and Address of Title Insurance Company:
First American Title Insurance Company, 1 First American Way, Santa Ana, CA 92707.

File No.: NCS-865869-WA1

Address Reference: 29805 Pacific Highway South, Federal Way, WA 98003

Amount of Insurance: $7,400,000.00

Premium: $10,100.00

Date of Policy: March 10, 2020 at 3:50 p.m.

1. Name of Insured:

   MultiCare Health System, a Washington non-profit corporation

2. The estate or interest in the Land that is insured by this policy is:

   LeaseholdEstate as created by that certain Ground Lease dated March 29, 2019, between NixLexi, LLC, a Washington limited liability company, as lessor and MultiCare Health System, a Washington non-profit corporation, as lessee, for a term of 20 years, as disclosed by Mermorandum of Ground Lease recorded March 10, 2020 under King County Recording No. 20200310001678.

3. Title is vested in:

   MultiCare Health System, a Washington non-profit corporation

4. The Land referred to in this policy is described as follows:

   NEW PARCEL A, OF CITY OF FEDERAL WAY BOUNDARY LINE ADJUSTMENT NO. 18-102608-00-SU, RECORDED ON APRIL 19, 2019 UNDER RECORDING NO. 20190419900003, IN KING COUNTY, STATE OF WASHINGTON.

EXCEPTIONS FROM COVERAGE

File No.: NCS-865869-WA1

This policy does not insure against loss or damage, and the Company will not pay costs, attorneys' fees, or expenses that arise by reason of:

1. Taxes or assessments which are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the Public Records.

2. Easements, claims of easement or encumbrances which are not shown by the public records.

3. Discrepancies, conflicts in boundary lines, shortage in area, encroachments, or any other facts which a correct survey would disclose, and which are not shown by public records.

4. (1) Unpatented mining claims; (2) reservations or exceptions in patents or in acts authorizing the issuance thereof; (3) Water rights, claims or title to water; whether or not the matters excepted under (1), (2) or (3) are shown by the public records; (4) Indian Tribal Codes or Regulations, Indian Treaty or Aboriginal Rights, including easements or equitable servitudes.

5. Any lien, or right to a lien, for services, labor, materials or medical assistance heretofore or hereafter furnished, imposed by law and not shown by the public records.

6. Any service, installation, connection, maintenance, construction, tap or reimbursement charges/costs for sewer, water, garbage or electricity.

7. Any facts, rights, interest, or claims which are not shown by the public records but which could be ascertained by an inspection of said land or by making inquiry of person in possession thereof.

8. This item has been intentionally deleted.

9. This item has been intentionally deleted.

10. This item has been intentionally deleted.

11. Potential charges, for the King County Sewage Treatment Capacity Charge, as authorized under RCW 35.58 and King County Code 28.84.050. Said charges could apply for any property that connected to the King County Sewer Service area on or after February 1, 1990.

12. Facility Charges, if any, including but not limited to hook-up, or connection charges and latecomer charges for water or sewer facilities of Federal Way Water and Sewer District as disclosed by instrument recorded May 12, 1989 under recording no. 8905120210.

13. Easement, including terms and provisions contained therein:
    Recording Information: December 11, 1926 under Recording No. 2279404 in Book 1343, Page 25

In Favor of:	The Pacific Telephone and Telegraph Company
For:	The right to erect and maintain poles, with the necessary wires and fixtures
Affects:	as described therein.

This easement being given in substitution for, and cancellation of, that certain easement between the part hereto, recorded in Volume 1236 of Deeds, Page 23 of the records, in the office of the County Auditor of King County, Washington.

14. Easement, including terms and provisions contained therein:

Recording Information:	1857776
In Favor of:	Pacific Northwest Bell Telephone
For:	Poles and wires
Affects:	as described therein

15. The terms and provisions contained in the document entitled "Grade Release Agreement" recorded November 21, 1979 as Instrument No. 7911210771 of Official Records.

16. Easement, including terms and provisions contained therein:

Recording Information:	August 31, 1993 under Recording No. 9308312475
In Favor of:	City of Federal Way, a municipal corporation
For:	Inspecting, constructing, excavating, installing, maintaining, restoring and repairing surface and storm water drainage facilities
Affects:	as described therein.

17. An easement affecting that portion of said land and for the purposes stated herein and incidental purposes as provided in the following:

Condemned to: City of Federal Way
For: Slopes
Filed in King County Superior Court Cause No. 06-2-01388-3KNT on April 6, 2006, and recorded June 26, 2007 under Recording No. 20070626001067.

18. The terms, provisions and easement(s) contained in the document entitled "Right of Entry" recorded October 4, 2007 as Recording No. 20071004001261 of Official Records.

19. The terms, provisions and easement(s) contained in the document entitled "Right of Entry" recorded October 4, 2007 as Recording No. 20071004001262 of Official Records.

20. This item has been intentionally deleted.

21. Deed of Trust and the terms and conditions thereof.

Grantor/Trustor:	NikLexi, LLC, a Washington limited liability company
Grantee/Beneficiary:	Sterling Savings Bank dba Sterling Bank
Trustee:	UPF Washington Incorporated
Amount:	$1,002,119.98
Recorded:	October 09, 2012
Recording Information:	20121009000749

Document states that it is for Cross-Default/Cross-Collateralization.

22. Assignment of leases and/or rents and the terms and conditions thereof:

Assignor:	NikLexi, LLC, a Washington limited liability company
Assignee:	Sterling Savings Bank dba Sterling Bank
Recorded:	October 09, 2012

Recording Information: 20121009000750

23. This item has been intentionally deleted.

24. This item has been intentionally deleted.

25. This item has been intentionally deleted.

26. This item has been intentionally deleted.

27. This item has been intentionally deleted.

28. This item has been intentionally deleted.

29. This item has been intentionally deleted.

30. General Taxes for the year 2020.

Tax Account No.:		042104-9157-09
Amount Billed:	$	23,427.67
Amount Paid:	$	0.00
Amount Due:	$	23,427.67
Assessed Land Value:	$	1,486,800.00
Assessed Improvement Value:	$	288,300.00

31. This item has been intentionally deleted.

32. Terms, covenants, conditions, restrictions and easements as contained in recorded Lot Line Adjustment (Boundary Line Revision) City of Federal Way BLA No. 18-102608-00-SU :
Recorded: April 19, 2019
Recording Information: 20190419900003

33. The terms and provisions contained in the document entitled "License" recorded July 30, 2019 as Recording No. 20190730000176 of Official Records.

34. This item has been intentionally deleted.

35. Any failure to comply with the terms, provisions and conditions of the lease referred to in Schedule A.

First American

LEASEHOLD - OWNER'S POLICY
ENDORSEMENT

Issued by

First American Title Insurance Company

Attached to Policy No.: 865869

File No.: NCS-865869-WA1

1. As used in this endorsement, the following terms shall mean:

   a. "Evicted" or "Eviction": (a) the lawful deprivation, in whole or in part, of the right of possession insured by this policy, contrary to the terms of the Lease or (b) the lawful prevention of the use of the Land or the Tenant Leasehold Improvements for the purposes permitted by the Lease, in either case, as a result of a matter covered by this policy.

   b. "Lease": the lease agreement described in Schedule A.

   c. "Leasehold Estate": the right of possession granted in the Lease for the Lease Term.

   d. "Lease Term": the duration of the Leasehold Estate, as set forth in the Lease, including any renewal or extended term if a valid option to renew or extend is contained in the Lease.

   e. "Personal Property": property, in which and to the extent the Insured has rights, located on or affixed to the Land on or after Date of Policy that by law does not constitute real property because (i) of its character and manner of attachment to the Land and (ii) the property can be severed from the Land without causing material damage to the property or to the Land.

   f. "Remaining Lease Term": the portion of the Lease Term remaining after the Insured has been Evicted.

   g. "Tenant Leasehold Improvements": Those improvements, in which and to the extent the Insured has rights, including landscaping, required or permitted to be built on the Land by the Lease that have been built at the Insured's expense or in which the Insured has an interest greater than the right to possession during the Lease Term.

2. Valuation of Estate or Interest Insured:

If in computing loss or damage it becomes necessary to value the Title, or any portion of it, as the result of an Eviction of the Insured, then, as to that portion of the Land from which the Insured is Evicted, that value shall consist of the value for the Remaining Lease Term of the Leasehold Estate and any Tenant Leasehold Improvements existing on the date of the Eviction. The Insured Claimant shall have the right to have the Leasehold Estate and the Tenant Leasehold Improvements affected by a defect insured against by the policy valued either as a whole or separately. In either event, this determination of value shall take into account rent no longer required to be paid for the Remaining Lease Term.

3. Additional items of loss covered by this endorsement:

If the Insured is Evicted, the following items of loss, if applicable to that portion of the Land from which the Insured is Evicted shall be included, without duplication, in computing loss or damage incurred by the Insured, but not to the extent that the same are included in the valuation of the Title determined pursuant to Section 2 of this endorsement, any other endorsement to the policy, or Section 8 (a)(ii) of the Conditions:

a. The reasonable cost of (i) removing and relocating any Personal Property that the Insured has the right to remove and relocate, situated on the Land at the time of Eviction, (ii) transportation of that Personal Property for the initial one hundred miles incurred in connection with the relocation, (iii) repairing the Personal Property damaged by reason of the removal and relocation, and (iv) restoring the Land to the extent damaged as a result of the removal and relocation of the Personal Property and required of the Insured solely because of the Eviction.

b. Rent or damages for use and occupancy of the Land prior to the Eviction that the Insured as owner of the Leasehold Estate may be obligated to pay to any person having paramount title to that of the lessor in the Lease.

c. The amount of rent that, by the terms of the Lease, the Insured must continue to pay to the lessor after Eviction with respect to the portion of the Leasehold Estate and Tenant Leasehold Improvements from which the Insured has been Evicted.

d. The fair market value, at the time of the Eviction, of the estate or interest of the Insured in any lease or sublease permitted by the Lease and made by Insured as lessor of all or part of the Leasehold Estate or the Tenant Leasehold Improvements.

e. Damages caused by the Eviction that the Insured is obligated to pay to lessees or sublessees on account of the breach of any lease or sublease permitted by the Lease and made by the Insured as lessor of all or part of the Leasehold Estate or the Tenant Leasehold Improvements.

f. The reasonable cost to obtain land use, zoning, building and occupancy permits, architectural and engineering services and environmental testing and reviews for a replacement leasehold reasonably equivalent to the Leasehold Estate.

g. If Tenant Leasehold Improvements are not substantially completed at the time of Eviction, the actual cost incurred by the Insured, less the salvage value, for the Tenant Leasehold Improvements up to the time of Eviction. Those costs include costs incurred to obtain land use, zoning, building and occupancy permits, architectural and engineering services, construction management services, environmental testing and reviews, and landscaping.

4. This endorsement does not insure against loss, damage or costs of remediation (and the Company will not pay costs, attorneys' fees or expenses) resulting from environmental damage or contamination.

This endorsement is issued as part of the policy. Except as it expressly states, it does not (i) modify any of the terms and provisions of the policy, (ii) modify any prior endorsements, (iii) extend the Date of Policy, or (iv) increase the Amount of Insurance. To the extent a provision of the policy or a previous endorsement is inconsistent with an express provision of this endorsement, this endorsement controls. Otherwise, this endorsement is subject to all of the terms and provisions of the policy and of any prior endorsements.

Date: March 10, 2020

First American Title Insurance Company

Dennis J. Gilmore, President

Greg L. Smith, Secretary

By:

Authorized Countersignature

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PERMIT/BUSINESS DETAILS

ID	Reference File Name	Description	Sub Type	Work Type	Name
19 101232 000 00 CO		Building - Commercial	Miscellaneous / Other	Addition	MULTICARE OFF-CAMPUS EMERGENCY CENTER

PROPERTY DETAILS

Number	Pre.	Street	Street Type	Dir	Suite Type	Suite Number	City
29805		PACIFIC	HWY	S			FEDERAL WAY

PEOPLE DETAILS

Desc.	Org. Name	Address
Contact	YOUR GIRL FRIDAY LLC	4001 NW 35TH AVE
Contractor	ANDERSEN CONSTRUCTION CO OF WASH LLC	5601 6TH AVE E SUITE 550

BUSINESS INFO

Info. Desc.	
Permit for Building Shell Only?	No
Is this an Online or O.T.C. application?	No
Is Review to be Expedited?	No
Mechanical to be Included?	No
Plumbing to be Included?	No
Number of Stories	1
Total Number of Dwelling Units	0
Census Category	565 - Fence/retaining wall

PERMIT/LICENSE FEE(S)

Fee Desc.	
1212	
PLAN CHECK FEE - BLD (8019)	
AUTOMATION FEE - BLDG (8068)	
BUILDING PERMIT (8002)	
SBCC SURCHARGE (8000)	

PROCESSES AND NOTES

Process Description	Status	Schedule Date	Start Date	End
Resubmittal of Plans/Drawings	Complete	Apr 01, 2019	Apr 01, 2019	Apr 01, 2(
Resubmittal Review - Building	Accepted	Apr 01, 2019	Apr 12, 2019	Apr 12, 2(
Resubmittal Review - Planning	Accepted	Apr 01, 2019	May 06, 2019	May 06, 2
Resubmittal Review - Dev. Services	Accepted	Apr 01, 2019	Apr 23, 2019	Apr 23, 2(
Permit Extension	Approved	Jan 27, 2020	Jan 27, 2020	Jan 28, 2(
Application Received	Complete	Mar 18, 2019	Mar 18, 2019	Mar 18, 2(

Tech. Review - Building	Approved	Mar 18, 2019	Apr 12, 2019	Apr 12, 20
Tech. Review - Planning	Approved	Mar 18, 2019	May 07, 2019	May 15, 2
Tech. Review - S K F & R	Approved	Mar 18, 2019	Mar 20, 2019	Mar 20, 20
Pre-Issuance Processing	Complete	May 15, 2019	Jun 10, 2019	Jun 10, 20
Ready to Issue	Complete	Jun 10, 2019	Aug 05, 2019	Aug 05, 20
Footings/Setback	Open			
Drainage/Downspout	Open			
Foundation Wall	Open			
Underfloor Framing	Open			
Slab/Concrete Floor	Open			
Roof Sheathing	Open			
Shear Walls	Open			
Fire/Draft Stops	Open			
Framing	Open			
Floor Sheathing	Open			
Insulation	Open			
Gypsum Wallboard Nailing	Open			
Suspended Ceiling Grid	Open			
Miscellaneous Inspection	Open			
Re-steel	Open			
Public Works Inspections	Open	Aug 05, 2019	Feb 25, 2020	
Final - Planning	Open			
Final - S K F & R	Open			
Final - Building	Open			
Initial Erosion Control	Open			
Interim Erosion Control	Open			
Final Erosion Control	Open			

FOLDER ATTACHMENT

Description	Detail
Sewer Availability	
Fire Flow	
(1.27.2020) 19-10123-00-CO MULTICARE OFF-CAMPUS EMERGENCY CTR -Permit Extension	
18-102604 MultiCare WC-3 First Round Plan Review Comments	
Signed Tech Review #1	
WC-3 Second Review Comments	
Combined Tech Review Comments #2	
Signed Preap Mtg Ltr	
Signed Preapp Letter	
KC Metro comments	
Fire comments	
Lakehaven comments	
Signed Tech Review Letter	
Lakehaven comments	
Signed Tech Review Comments #2	
Permit Application	

Permit Checklist	
Water Availability	

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PERMIT/BUSINESS DETAILS

ID	Reference File Name	Description	Sub Type	Work Type	Name
18 102604 000 00 CO		Building - Commercial	Hospital	New	MULTICARE OFF-CAMPUS EMERGE CENTER

PROPERTY DETAILS

Number	Pre.	Street	Street Type	Dir	Suite Type	Suite Number	City
29805		PACIFIC	HWY	S			FEDERAL WAY

PEOPLE DETAILS

Desc.	Org. Name	Address
Contact	YOUR GIRL FRIDAY LLC	4001 NW 35TH AVE
Contractor	ANDERSEN CONSTRUCTION CO OF WASH LLC	5601 6TH AVE E SUITE 550

BUSINESS INFO

Info. Desc.	
Permit for Building Shell Only?	No
Is this an Online or O.T.C. application?	No
Is Review to be Expedited?	No
Mechanical to be Included?	Yes
Plumbing to be Included?	Yes
Number of Stories	1
Total Number of Dwelling Units	0
Census Category	323 - New Hospital and Institutional Building
Permit for Foundation Only?	No

PERMIT/LICENSE FEE(S)

Fee Desc.	
AUTOMATION FEE - BLDG (8068)	
FD PLAN CK-COMM ONLY (8023)	
PLAN CHECK FEE - BLD (8019)	
PW PLANS CHECK FEE (8028)	
PLAN CHECK FEE - BLD (8019)	
BUILDING PERMIT (8002)	
GIS DIGITIZING FEE (8069)	
MECH PERMIT FEE (8004)	
MECH PLAN CHECK FEE (8019)	
PLUMBING FIXT (8005)	
PLUMBING PLAN CHECK (8019)	
PW EXP PLN RVW FEE (8029)	
PW INSPECTION FEE (8026)	
SBCC SURCHARGE (8000)	

TRAFFIC IMPACT FEE (8036)	
TR - IMPACT ADMIN FEE (8036-1)	
PUB WKS PLCK (SF) (8028)	

PROCESSES AND NOTES

Process Description	Status	Schedule Date	Start Date	End
Resubmittal of Plans/Drawings	Complete	Sep 18, 2018	Sep 19, 2018	Sep 19, 2(
Resubmittal Review - Building	Accepted	Sep 19, 2018	Oct 01, 2018	May 06, 2
Resubmittal Review - Planning	Accepted	Sep 19, 2018	Oct 18, 2018	May 07, 2
Resubmittal Review - Dev. Services	Accepted	Sep 19, 2018	Jul 19, 2019	Jul 19, 20
Resubmittal Review - S K F & R	Accepted	Sep 19, 2018	Oct 24, 2018	May 20, 2
Resubmittal of Plans/Drawings	Complete	Sep 25, 2018	Sep 27, 2018	Sep 27, 2(
Resubmittal of Plans/Drawings	Complete	Mar 19, 2019	Mar 19, 2019	Mar 19, 2(
Resubmittal of Plans/Drawings	Complete	Apr 30, 2019	May 01, 2019	May 01, 2
Resubmittal of Plans/Drawings	Complete		May 02, 2019	May 02, 2
Permit Extension	Approved	Jan 24, 2020	Jan 24, 2020	Jan 28, 2(
Application Received	Complete	Jun 14, 2018	Jun 14, 2018	Jun 14, 2(
Tech. Review - Building	Approved	Jun 14, 2018	Jul 19, 2019	Jul 19, 20
Tech. Review - Other Agency	Approved	Jul 30, 2018	Aug 10, 2018	May 14, 2
Tech. Review - Planning	Approved	Jun 14, 2018	Jun 18, 2018	May 15, 2
Tech. Review - Dev. Services	Approved	Jun 14, 2018	Jun 18, 2018	Jul 19, 20
Tech. Review - Traffic	Closed	Jun 14, 2018	Jun 15, 2018	Jun 15, 2(
Tech. Review - S K F & R	Approved	Jun 14, 2018	Oct 16, 2018	Oct 16, 2(
Pre-Issuance Processing	Complete	Jul 19, 2019	Jul 24, 2019	Jul 24, 20
Ready to Issue	Complete	Jul 24, 2019	Aug 05, 2019	Aug 05, 2(
Footings/Setback	Partial Pass		May 04, 2020	
Drainage/Downspout	Open			
Foundation Wall	Open			
Underfloor Framing	Open			
Plumbing Groundwork	Partial Pass		May 04, 2020	
Slab/Concrete Floor	Partial Pass		May 28, 2020	
Rough Plumbing	Open			
Mechanical Rough-in	Open			
Gas Piping	Open			
Roof Sheathing	Open			
Shear Walls	Open			
Fire/Draft Stops	Open			
Framing	Open			
Floor Sheathing	Open			
Insulation	Open			
Gypsum Wallboard Nailing	Open			
Suspended Ceiling Grid	Open			
Miscellaneous Inspection	Open		Feb 27, 2020	
Re-steel	Open			
Public Works Inspections	Open	Aug 05, 2019	Jan 28, 2020	
Final - Plumbing	Open			
Final - Mechanical	Open			
Final - Planning	Open			
Final - Public Works	Open	Aug 05, 2019		
Final - S K F & R	Open			
Final - Building	Open			
Issue Certificate of Occupancy	Open			
As-built Drawing Review	Open	Aug 05, 2019		

FOLDER ATTACHMENT

Description	Detail

Combined Tech Review Comments #2	
18-102604 MultiCare WC-3 First Round Plan Review Comments	
Signed Preap Mtg Ltr	
Signed Preapp Letter	
KC Metro comments	
Fire comments	
Lakehaven comments	
Signed Tech Review Letter	
Lakehaven comments	
Signed Tech Review Comments #2	
Permit Application	
Permit Checklist	
Water Availability	
Fire Flow	
Sewer Availability	
18-102604 Multicare off-campus emergency ctr - Permit Extension	
WC-3 Second Review Comments	
Signed Tech Review #1	

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PERMIT/BUSINESS DETAILS

ID	Reference File Name	Description	Sub Type	Work Type	Name
19 104594 000 00 CO		Building - Commercial	Office	Tenant Improvement	MULTICARE MARY BRIDGE

PROPERTY DETAILS

Number	Pre.	Street	Street Type	Dir	Suite Type	Suite Number	City
505	S	336TH	ST		Unit	330	FEDERAL WAY
505	S	336TH	ST		Unit	200	FEDERAL WAY

PEOPLE DETAILS

Desc.	Org. Name	Address
Applicant	INSIGHT DESIGN STUDIO	12345 LAKE CITY WAY NE SUITE 2108
Architect	INSIGHT DESIGN STUDIO	12345 LAKE CITY WAY NE SUITE 2108

BUSINESS INFO

Info. Desc.	
Permit for Building Shell Only?	No
Is this an Online or O.T.C. application?	No
Is Review to be Expedited?	No
Mechanical to be Included?	Yes
Plumbing to be Included?	Yes
Number of Stories	2
Total Number of Dwelling Units	0
Census Category	437 - Commercial alt / add / conversion
Permit for Foundation Only?	No

PERMIT/LICENSE FEE(S)

Fee Desc.	
1212	
AUTOMATION FEE - BLDG (8068)	
FD PLAN CK-COMM ONLY (8023)	
PLAN CHECK FEE - BLD (8019)	
BUILDING PERMIT (8002)	
MECH PERMIT FEE (8004)	
MECH PLAN CHECK FEE (8019)	
PLUMBING FIXT (8005)	
PLUMBING PLAN CHECK (8019)	
SBCC SURCHARGE (8000)	
BUILDING PERMIT (8002)	
MECH PERMIT FEE (8004)	
MECH PLAN CHECK FEE (8019)	
PLUMBING FIXT (8005)	

PLUMBING PLAN CHECK (8019)	
SBCC SURCHARGE (8000)	
PLAN CHECK FEE - BLD (8019)	

PROCESSES AND NOTES

Process Description	Status	Schedule Date	Start Date	End
Resubmittal of Plans/Drawings	Complete		Feb 26, 2020	Feb 26, 2(
Resubmittal Review - Building	Accepted	Feb 26, 2020	Mar 10, 2020	May 22, 2
Resubmittal Review - S K F & R	Accepted	Feb 26, 2020	Feb 27, 2020	May 20, 2
Resubmittal of Plans/Drawings	Complete		May 12, 2020	May 12, 2
Application Received	Complete	Sep 24, 2019	Sep 24, 2019	Sep 24, 2(
Tech. Review - Building	Approved	Sep 24, 2019	Oct 18, 2019	Oct 18, 2(
Tech. Review - Planning	Approved	Sep 24, 2019	Sep 24, 2019	Sep 24, 2(
Tech. Review - S K F & R	Approved	Sep 24, 2019	Oct 01, 2019	Oct 01, 2(
Pre-Issuance Processing	Complete	Oct 18, 2019	Oct 28, 2019	Nov 01, 2(
Ready to Issue	Complete	Nov 01, 2019	Feb 10, 2020	Feb 10, 2(
Footings/Setback	Open			
Underfloor Framing	Open			
Plumbing Groundwork	Open			
Slab/Concrete Floor	Open			
Rough Plumbing	Passed	Apr 13, 2020	Mar 31, 2020	Apr 13, 2(
Mechanical Rough-in	Passed	Apr 24, 2020	Apr 24, 2020	Apr 24, 2(
Gas Piping	Open			
Fire/Draft Stops	Open			
Framing	Passed	May 13, 2020	May 13, 2020	May 13, 2
Floor Sheathing	Open			
Insulation	Open			
Gypsum Wallboard Nailing	Passed	May 26, 2020	May 19, 2020	May 26, 2
Suspended Ceiling Grid	Open			
Re-steel	Open			
Final - Plumbing	Open			
Final - Mechanical	Open			
Final - Planning	Open			
Final - S K F & R	Open			
Final - Building	Open			
Issue Certificate of Occupancy	Open			
Initial Erosion Control	Open			
Interim Erosion Control	Open			
Final Erosion Control	Open			

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PERMIT/BUSINESS DETAILS

ID	Reference File Name	Description	Sub Type	Work Type	Name
20 100924 000 00 DE		Demolition	Commercial		MULTICARE OFF-CAMPUS EMERGENCY CENTER

PROPERTY DETAILS

Number	Pre.	Street	Street Type	Dir	Suite Type	Suite Number	City
29805		PACIFIC	HWY	S			FEDERAL WAY

PEOPLE DETAILS

Desc.	Org. Name	Address
Applicant	ANDERSEN CONSTRUCTION CO OF WASH LLC	5601 6TH AVE E SUITE 550
Contractor	ANDERSEN CONSTRUCTION CO OF WASH LLC	5601 6TH AVE E SUITE 550

PERMIT/LICENSE FEE(S)

Fee Desc.	
AUTOMATION FEE - BLDG (8068)	
BUILDING PERMIT (8002)	
SBCC SURCHARGE (8000)	

PROCESSES AND NOTES

Process Description	Status	Schedule Date	Start Date	End
Application Received - DE	Closed	Mar 02, 2020	Mar 02, 2020	Mar 02, 2(
Pre-Issuance Processing	Complete	Mar 02, 2020	Mar 02, 2020	Mar 02, 2(
Ready to Issue	Closed	Mar 02, 2020	Mar 02, 2020	Mar 02, 2(
Final - Building	Open			

FOLDER ATTACHMENT

Description	Detail
Sewer Availability	
18-102604 MultiCare WC-3 First Round Plan Review Comments	
Signed Tech Review #1	
WC-3 Second Review Comments	
Combined Tech Review Comments #2	
18-102604 Multicare off-campus emergency ctr - Permit Extension	
Signed Preap Mtg Ltr	

Signed Preapp Letter	
KC Metro comments	
Fire comments	
Lakehaven comments	
Signed Tech Review Letter	
Lakehaven comments	
Signed Tech Review Comments #2	
Permit Application	
Permit Checklist	
Water Availability	
Fire Flow	

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PERMIT/BUSINESS DETAILS

ID	Reference File Name	Description	Sub Type	Work Type	Name
20 101564 000 00 EL		Electrical	Commercial	New	MULTICARE MARY BRIDGE

PROPERTY DETAILS

Number	Pre.	Street	Street Type	Dir	Suite Type	Suite Number	City
505	S	336TH	ST		Unit	200	FEDERAL WAY

PEOPLE DETAILS

Desc.	Org. Name	Address
Applicant	LEVERAGE INFORMATION SYSTEMS INC	18815 139TH AVE NE SUITE B
Contractor	LEVERAGE INFORMATION SYSTEMS INC	18815 139TH AVE NE SUITE B

BUSINESS INFO

Info. Desc.	
Is this an Online or O.T.C. application?	Yes
New Construction Area (Sq. Feet)	5620
Pre-Construction Meeting Required?	
Application Archived?	
File ID #1	
Date Archived	
Archived Location	

PERMIT/LICENSE FEE(S)

Fee Desc.	
ELECTRICAL FIXTURES (8032)	
AUTOMATION FEE - BLDG (8068)	

PROCESSES AND NOTES

Process Description	Status	Schedule Date	Start Date	End
Temporary Power	Open			
UFER Ground	Open			
Ditch cover	Open			
Slab/Concrete Floor	Open			
Rough Electrical	Passed	May 08, 2020	May 12, 2020	May 12, 2
Ceiling Cover	Open			
Pool Bonding	Open			
Feeders/Sub-panels	Open			
Service	Open			
Final - Electrical	Open			

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PERMIT/BUSINESS DETAILS

ID	Reference File Name	Description	Sub Type	Work Type	Name
20 101565 000 00 EL		Electrical	Commercial	New	MULTICARE MARY BRIDGE

PROPERTY DETAILS

Number	Pre.	Street	Street Type	Dir	Suite Type	Suite Number	City
505	S	336TH	ST		Unit	330	FEDERAL WAY

PEOPLE DETAILS

Desc.	Org. Name	Address
Applicant	LEVERAGE INFORMATION SYSTEMS INC	18815 139TH AVE NE SUITE B
Contractor	LEVERAGE INFORMATION SYSTEMS INC	18815 139TH AVE NE SUITE B

BUSINESS INFO

Info. Desc.	
Is this an Online or O.T.C. application?	Yes
New Construction Area (Sq. Feet)	3176
Pre-Construction Meeting Required?	
Application Archived?	
File ID #1	
Date Archived	
Archived Location	

PERMIT/LICENSE FEE(S)

Fee Desc.	
ELECTRICAL FIXTURES (8032)	
AUTOMATION FEE - BLDG (8068)	

PROCESSES AND NOTES

Process Description	Status	Schedule Date	Start Date	End
Temporary Power	Open			
UFER Ground	Open			
Ditch cover	Open			
Slab/Concrete Floor	Open			
Rough Electrical	Passed	May 08, 2020	May 12, 2020	May 12, 2
Ceiling Cover	Open			
Pool Bonding	Open			
Feeders/Sub-panels	Open			
Service	Open			
Final - Electrical	Open			

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PERMIT/BUSINESS DETAILS

ID	Reference File Name	Description	Sub Type	Work Type	Name
20 100974 000 00 EL		Electrical	Commercial	Alteration/Repair	MULTICARE MARY BRIDG

PROPERTY DETAILS

Number	Pre.	Street	Street Type	Dir	Suite Type	Suite Number	City
505	S	336TH	ST		Unit	330	FEDERAL WAY
505	S	336TH	ST		Unit	200	FEDERAL WAY

PEOPLE DETAILS

Desc.	Org. Name	Address	City
Applicant	PROBITY ELECTRIC	20434 SE 192ND ST	RENTON
Contractor	PROBITY ELECTRIC	20434 SE 192ND ST	RENTON

BUSINESS INFO

Info. Desc.	
Is this an Online or O.T.C. application?	Yes
New Construction Area (Sq. Feet)	0
Application Archived?	
File ID #1	
Date Archived	
Archived Location	

PERMIT/LICENSE FEE(S)

Fee Desc.	
AUTOMATION FEE - BLDG (8068)	
ELECTRICAL FIXTURES (8032)	

PROCESSES AND NOTES

Process Description	Status	Schedule Date	Start Date	End
Application Received	Complete	Mar 04, 2020	Mar 04, 2020	Mar 04, 2(
Ready to Issue	Closed	Mar 04, 2020	Mar 04, 2020	Mar 04, 2(
Temporary Power	Open			
UFER Ground	Open			
Ditch cover	Open			
Slab/Concrete Floor	Open			
Rough Electrical	Passed	May 08, 2020	May 12, 2020	May 12, 2
Ceiling Cover	Open			
Pool Bonding	Open			
Feeders/Sub-panels	Open			
Service	Open			
Final - Electrical	Open			

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PERMIT/BUSINESS DETAILS

ID	Reference File Name	Description	Sub Type	Work Type	Name
19 102235 000 00 EL		Electrical	Commercial	New	MULTICARE OFF-CAMPUS EMERGENCY CENTER

PROPERTY DETAILS

Number	Pre.	Street	Street Type	Dir	Suite Type	Suite Number	City
29805		PACIFIC	HWY	S			FEDERAL WAY

PEOPLE DETAILS

Desc.	Org. Name	Address	City
Contact	YOUR GIRL FRIDAY LLC	4001 NW 35TH AVE	GIG HARBOR
Contractor	SEA TAC ELECTRIC INC	7056 S 220TH ST	KENT

BUSINESS INFO

Info. Desc.	
Is this an Online or O.T.C. application?	No
New Construction Area (Sq. Feet)	9860
Application Archived?	
File ID #1	
Date Archived	
Archived Location	

PERMIT/LICENSE FEE(S)

Fee Desc.	
AUTOMATION FEE - BLDG (8068)	
ELEC. PLAN REVIEW (8032)	
ELECTRICAL FIXTURES (8032)	

PROCESSES AND NOTES

Process Description	Status	Schedule Date	Start Date	End
Application Received	Complete	May 08, 2019	May 08, 2019	May 08, 2
Tech. Review - Building	Approved	May 08, 2019	May 09, 2019	May 29, 2
Pre-Issuance Processing	Complete	May 29, 2019	Jun 10, 2019	Jun 10, 2(
Ready to Issue	Closed	Jun 10, 2019	Aug 21, 2019	Aug 21, 2(
Temporary Power	Open			
UFER Ground	Passed	May 05, 2020	May 05, 2020	May 05, 2
Ditch cover	Partial Pass		May 22, 2020	
Slab/Concrete Floor	Open			
Rough Electrical	Open			
Ceiling Cover	Open			

Pool Bonding	Open			
Feeders/Sub-panels	Open			
Service	Open			
Final - Electrical	Open			

FOLDER ATTACHMENT

Description	Detail
Signed Preap Mtg Ltr	
Signed Preapp Letter	
KC Metro comments	
Fire comments	
Lakehaven comments	
Signed Tech Review Letter	
Lakehaven comments	
Signed Tech Review Comments #2	
Permit Application	
Permit Checklist	
Water Availability	
Fire Flow	
Sewer Availability	
18-102604 MultiCare WC-3 First Round Plan Review Comments	
Signed Tech Review #1	
WC-3 Second Review Comments	
Combined Tech Review Comments #2	

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PERMIT/BUSINESS DETAILS

ID	Reference File Name	Description	Sub Type	Work Type	Name
19 104603 000 00 EL		Electrical	Commercial	Temporary Power	MULTICARE OFF-CAMPUS EMERGI CENTER

PROPERTY DETAILS

Number	Pre.	Street	Street Type	Dir	Suite Type	Suite Number	City
29805		PACIFIC	HWY	S			FEDERAL WAY

PEOPLE DETAILS

Desc.	Org. Name	Address	City	St
Applicant	SEA-TAC ELECTRIC INC	7056 S 220TH ST	KENT	WA
Contractor	SEA TAC ELECTRIC INC	7056 S 220TH ST	KENT	WA

BUSINESS INFO

Info. Desc.	
Is this an Online or O.T.C. application?	Yes
New Construction Area (Sq. Feet)	0
Pre-Construction Meeting Required?	
Application Archived?	
File ID #1	
Date Archived	
Archived Location	

PERMIT/LICENSE FEE(S)

Fee Desc.	
ELECTRICAL FIXTURES (8032)	
AUTOMATION FEE - BLDG (8068)	
ELECTRICAL FIXTURES (8032)	

PROCESSES AND NOTES

Process Description	Status	Schedule Date	Start Date	End
Temporary Power	Passed	Mar 06, 2020	Mar 09, 2020	Mar 09, 2(
UFER Ground	Open			
Ditch cover	Passed	Mar 06, 2020	Mar 09, 2020	Mar 09, 2(
Rough Electrical	Open			
Feeders/Sub-panels	Open			
Service	Open			
Final - Electrical	Open			

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Construction Stormwater General Permit

Stormwater Pollution Prevention Plan (SWPPP)

for

OCED - Federal Way

29805 Pacific Highway S.
Federal Way, Washington 98003

Prepared for:

The Washington State Department of Ecology

Northwest Regional Office

Permittee / Owner	Developer	Operator / Contractor
Niklexi, LLC 627 East Francis Ave Spokane, WA 99208	Niklexi, LLC 627 East Francis Ave Spokane, WA 99208	Anderson Construction 5601 6th Ave South, Ste 550 Seattle, WA 98108

Certified Erosion and Sediment Control Lead (CESCL)

Name	Organization	Contact Phone Number
Drew Gibson Rick Young	ASI Structures ASI Structures	206-618-7121 206-715-0294

SWPPP Prepared By

Name	Organization	Contact Phone Number
Josh Towne	Barghausen Consulting Engineers, Inc.	(425) 251-6222

SWPPP Preparation Date

2/12/2019
Updated: 02/14/2020

Project Construction Dates

Start Date	End Date
March 2020	May 2021

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E. Construction Stormwater General Permit (CSWGP)

F. 303(d) List Waterbodies / TMDL Waterbodies Information

G. Contaminated Site Information

H. Engineering Calculations

List of Acronyms and Abbreviations

Acronym / Abbreviation	Explanation
303(d)	Section of the Clean Water Act pertaining to Impaired Waterbodies
BFO	Bellingham Field Office of the Department of Ecology
BMP(s)	Best Management Practice(s)
CESCL	Certified Erosion and Sediment Control Lead
CO_2	Carbon Dioxide
CRO	Central Regional Office of the Department of Ecology
CSWGP	Construction Stormwater General Permit
CWA	Clean Water Act
DMR	Discharge Monitoring Report
DO	Dissolved Oxygen
Ecology	Washington State Department of Ecology
EPA	United States Environmental Protection Agency
ERO	Eastern Regional Office of the Department of Ecology
ERTS	Environmental Report Tracking System
ESC	Erosion and Sediment Control
GULD	General Use Level Designation
NPDES	National Pollutant Discharge Elimination System
NTU	Nephelometric Turbidity Units
NWRO	Northwest Regional Office of the Department of Ecology
pH	Power of Hydrogen
RCW	Revised Code of Washington
SPCC	Spill Prevention, Control, and Countermeasure
su	Standard Units
SWMMEW	Stormwater Management Manual for Eastern Washington
SWMMWW	Stormwater Management Manual for Western Washington
SWPPP	Stormwater Pollution Prevention Plan
TESC	Temporary Erosion and Sediment Control
SWRO	Southwest Regional Office of the Department of Ecology
TMDL	Total Maximum Daily Load
VFO	Vancouver Field Office of the Department of Ecology
WAC	Washington Administrative Code
WSDOT	Washington Department of Transportation
WWHM	Western Washington Hydrology Model

1 Project Information

Project/Site Name: OCED - Federal Way
Street/Location: 29805 Pacific Highway S.
City: Federal Way **State:** WA **Zip code:** 98003
Subdivision: N/A
Receiving waterbody: Puget Sound

1.1 Existing Conditions

Total acreage (including support activities such as off-site equipment staging yards, material storage areas, borrow areas).

Total site acreage:	1.71 ac
Disturbed acreage:	1.50 ac
Existing structures:	An existing building of 8000 SF with asphalt parking and utilities.
Landscape topography:	Mostly flat with a steep West to East slope on the West side of the site.
Drainage patterns:	An existing storm system carries water to a stream offsite which flows to the Puget Sound.
Existing Vegetation:	A few trees to the West, site is mostly paved.
Critical Areas:	N/A

List of known impairments for 303(d) listed or Total Maximum Daily Load (TMDL) for the receiving waterbody: There are no known 303(d) listings for the receiving waterbody which include.

Due to the presence of contaminated soils on-site, excavation will occur as part of remediation. During remediation activities all contaminated runoff will be collected and stored in baker tanks onsite to be tested and disposed of at an off-site facility. Please see Soil Management Plan by TGE Resources, Inc. dated December 31, 2019 for a description of contaminants and remediation activities. Contaminant information from this report is included in Appendix G.

Table 1 – Summary of Site Pollutant Constituents

Constituent (Pollutant)	Location	Depth	Max. Concentration Detected (mg/kg)
Hydraulic Fluid (potential)	Anywhere on site resulting from a Spill or leak from equipment maintenance	Surface Soil	N/A

Other pollutants per Soil Management Plan prepared by TGE Resources, Inc.	On site (See appendix G)	See Appendix G	See Appendix G

1.2 Proposed Construction Activities

Description of site development (example: subdivision):
The proposed conditions for this site include a single 9,830 SF medical center with surrounding asphalt parking, concrete sidewalks, landscaping, utility installation, and a detention pond.

Description of construction activities (example: site preparation, demolition, excavation):
The construction activities will include building demolition, site preparation, TESC installation, building construction, stormwater and other utility appurtenance installation, asphalt paving and landscaping.

Description of site drainage including flow from and onto adjacent properties. Must be consistent with Site Map in Appendix A:
4,900 SF of offsite area contribute runoff to this site. All stormwater on site during and after construction will be routed to the proposed detention pond, which will serve as the sedimentation pond suring TESC activities.

Description of final stabilization (example: extent of revegetation, paving, landscaping):
With the completion of construction, the total site area of 1.71 acres will be approximately 68% impervious surfaces. The building will comprise approximately 13% of the site (0.23 ac), with the remaining impervious surfaces (55%) including 0.75 acres of paved areas and the surface of the detention pond (0.18 ac). The remaining area (32%) will consist of 0.55 acres of andscaping.

Contaminated Site Information:
Proposed activities regarding contaminated soils or groundwater (example: on-site treatment system, authorized sanitary sewer discharge):
The final remediation actions for the subject property are contained in the Soil Management Plan by TGE Resources, Inc. dated December 31, 2019. Runoff generated during contaminated soil excavation activities will be captured and stored in baker tanks onsite to be tested and disposed of at an offsite facility. All efforts will be made to minimize the volume of runoff generated during soil remediation activities.

2 Construction Stormwater Best Management Practices (BMPs)

The SWPPP is a living document reflecting current conditions and changes throughout the life of the project. These changes may be informal (i.e., hand-written notes and deletions). Update the SWPPP when the CESCL has noted a deficiency in BMPs or deviation from original design.

2.1 The 13 Elements

2.1.1 Element 1: Preserve Vegetation / Mark Clearing Limits

To protect adjacent properties and to reduce the area of soil exposed to construction, the limits of construction will be clearly marked before land-disturbing activities begin. Areas that are to be preserved, as well as all sensitive areas and their buffers, shall be clearly delineated, both in the field and on the plans. A silt fence will be installed around the perimeter of the project site to mark the limits of construction as well as protect surrounding properties from any possible sediment laden runoff and grading will occur around the perimeter the site to insure there is no runoff of any ponded stormwater.

List and describe BMPs:

BMP C233: Silt Fence

Installation Schedules: TBD

Inspection and Maintenance plan:

Silt Fence Maintenance

- Repair any damage immediately.
- Intercept and convey all evident concentrated flows uphill of the silt fence to a sediment pond.
- Check the uphill side of the fence for signs of the fence clogging and acting as a barrier to flow and then causing channelization of flows parallel to the fence. If this occurs, replace the fence or remove the trapped sediment.
- Remove sediment deposits when the deposit reaches approximately one-third the height of the silt fence, or install a second silt fence.
- Replace filter fabric that has deteriorated due to ultraviolet breakdown.

Responsible Staff: Contractor/CESCL

2.1.2 Element 2: Establish Construction Access

Access points shall be stabilized to minimize the tracking of sediment onto public roads, street sweeping, and street cleaning shall be employed to prevent sediment from entering state waters. A quarry spall entrance consistent with BMP C105 will be installed off of South Dash Point Road at the North end of the property. Street sweeping and street cleaning may be necessary, in which case the roads shall be swept daily should sediment collect on them. On site, designated areas will be used for construction equipment and storage to keep equipment on paved areas as much as possible.

List and describe BMPs:

BMP C105: Stabilized Construction Entrance

BMP C107: Construction Road/Parking Area Stabilization

Installation Schedules: TBD

Inspection and Maintenance plan:

Stabilized Construction Entrance Maintenance

- Quarry spalls shall be added if the pad is no longer in accordance with the specifications.
- If the entrance is not preventing sediment from being tracked onto pavement, then alternative measures to keep the streets free of sediment shall be used. This may include replacement/cleaning of the existing quarry spalls, street sweeping, an increase in the dimensions of the entrance, or the installation of a wheel wash.
- Any sediment that is tracked onto pavement shall be removed by shoveling or street sweeping. The sediment collected by sweeping shall be removed or stabilized on site. The pavement shall not be cleaned by washing down the street, except when high efficiency sweeping is ineffective and there is a threat to public safety. If it is necessary to wash the streets, the construction of a small sump to contain the wash water shall be considered. The sediment would then be washed into the sump where it can be controlled.
- Perform street sweeping by hand or with a high efficiency sweeper. Do not use a non-high efficiency mechanical sweeper because this creates dust and throws soils into storm systems or conveyance ditches.
- Any quarry spalls that are loosened from the pad, which end up on the roadway shall be removed immediately.
- If vehicles are entering or exiting the site at points other than the construction entrance(s), fencing (see BMP C103) shall be installed to control traffic.
- Upon project completion and site stabilization, all construction accesses intended as permanent access for maintenance shall be permanently stabilized.

Construction Road/Parking Area Stabilization Maintenance:

- Inspect stabilized areas regularly, especially after large storm events.

- Crushed rock, gravel base, etc. shall be added as required to maintain a stable driving surface and to stabilize any areas that have eroded.
- Following construction, these areas shall be restored to pre-construction condition or better to prevent future erosion.
- Perform street cleaning at the end of each day or more often if necessary.

Responsible Staff: Contractor/CESCL

2.1.3 Element 3: Control Flow Rates

In order to protect the properties and waterways downstream of the project, stormwater from the site will be controlled by creating the detention pond to use as a temporary sediment pond as one of the first items of construction. Along with installation of silt fence around the downstream property boundary areas and to the east of the stream along the proposed stream buffer intrusion line. Once the pond is constructed, stormwater during construction will be captured through v-ditches with rock check dams in order to control the flow of stormwater runoff before reaching the sediment pond. The pond is designed to have more than adequate surface area for sedimentation per the DOE requirements from BMP C241. After sedimentation, water from the pond will discharge into the existing storm system. The facility must be functioning properly before construction of site improvements.

Will you construct stormwater retention and/or detention facilities?
☒ Yes ☐ No

Will you use permanent infiltration ponds or other low impact development (example: rain gardens, bio-retention, porous pavement) to control flow during construction?
☐ Yes ☒ No

List and describe BMPs:
BMP C241: Sediment Pond

BMP C207: Check Dams

Installation Schedules: TBD

Inspection and Maintenance plan:

Sediment Pond Maintenance

- Sediment shall be removed from the pond when it reaches 1-foot in depth.
- Any damage to the pond embankments or slopes shall be repaired.

Check Dam Maintenance

- Check dams shall be monitored for performance and sediment accumulation during and after each runoff producing rainfall.
- Sediment shall be removed when it reaches one half the sump depth.
- Anticipate submergence and deposition above the check dam and erosion from high flows around the edges of the dam.
- If significant erosion occurs between dams, install a protective riprap liner in that portion of the channel.

Responsible Staff: Contractor/CESCL

2.1.4 Element 4: Install Sediment Controls

Constructing the silt fence and the sediment control pond is one of the first steps to create the necessary gradients for flow to the pond and to prevent off site discharge of sediment. Rock check dams and v-ditches will be used to convey stormwater runoff into the sediment pond and to collect out sediment as well. The sediment pond alone is expected to be adequate for sediment control prior to discharge to storm system. The surface area requirements for the TESC pond are met with the designed TESC plan and it is not expected that further treatment or other sediment controlling measures are necessary.

However, if the proposed sediment controls are ineffective as determined by the CESCL, they will promptly initiate the implementation of one or more of the alternative BMPs listed in Appendix B.

List and describe BMPs:

BMP C207: Check Dams

BMP C233: Silt Fence

BMP C241: Temporary Sediment Pond

Installation Schedules: TBD

Inspection and Maintenance plan:

Silt Fence Maintenance

- Repair any damage immediately.
- Intercept and convey all evident concentrated flows uphill of the silt fence to a sediment pond.
- Check the uphill side of the fence for signs of the fence clogging and acting as a barrier to flow and then causing channelization of flows parallel to the fence. If this occurs, replace the fence or remove the trapped sediment.
- Remove sediment deposits when the deposit reaches approximately one-third the height of the silt fence, or install a second silt fence.
- Replace filter fabric that has deteriorated due to ultraviolet breakdown.

Sediment Pond/Trap Maintenance

- Sediment shall be removed from the trap/pond when it reaches 1-foot in depth.
- Any damage to the pond embankments or slopes shall be repaired.

Check Dam Maintenance

- Check dams shall be monitored for performance and sediment accumulation during and after each runoff producing rainfall.
- Sediment shall be removed when it reaches one half the sump depth.

- Anticipate submergence and deposition above the check dam and erosion from high flows around the edges of the dam.
- If significant erosion occurs between dams, install a protective riprap liner in that portion of the channel.

Responsible Staff: Contractor/CESCL

2.1.5 Element 5: Stabilize Soils

Exposed and unworked soils shall be stabilized with the application of effective BMPs to prevent erosion throughout the life of the project. In general, cut and fill slopes will be stabilized as soon as possible and soil stockpiles will be stabilized through hydroseeding. All stockpiled soils shall be stabilized from erosion, protected with sediment trapping measures, and where possible, be located away from storm drain inlets, waterways, and drainage channels. To minimize soil compaction, a construction entrance will be used as well as keeping heavy equipment and machinery off unpaved areas as much as possible. As the site has existing asphalt parking areas, designated areas will be used for construction staging to keep machinery off unpaved areas.

West of the Cascade Mountains Crest

Season	Dates	Number of Days Soils Can be Left Exposed
During the Dry Season	May 1 – September 30	7 days
During the Wet Season	October 1 – April 30	2 days

Soils must be stabilized at the end of the shift before a holiday or weekend if needed based on the weather forecast.

Anticipated project dates: Start date: November 2018 **End date:** May 2019

Will you construct during the wet season?
☒ Yes ☐ No

List and describe BMPs:
BMP C120: Temporary and Permanent Seeding

BMP C121: Mulching

BMP C140: Dust Control

Installation Schedules: TBD

Inspection and Maintenance plan:

Temporary and Permanent Seeding Maintenance:

- Reseed any seeded areas that fail to establish at least 80 percent cover (100 percent cover for areas that receive sheet or concentrated flows). If reseeding is ineffective, use an alternate method such as sodding, mulching, or nets/blankets. If winter weather prevents adequate grass growth, this time limit may be relaxed at the discretion of the local authority when sensitive areas would otherwise be protected.
- Reseed and protect by mulch any areas that experience erosion after achieving adequate cover. Reseed and protect by mulch any eroded area.
- Supply seeded areas with adequate moisture, but do not water to the extent that it causes runoff.

Dust Control Maintenance

- Respray area as necessary to keep dust to a minimum.

Mulching Maintenance

- The thickness of the cover must be maintained.
- Any areas that experience erosion shall be remulched and/or protected with a net or blanket. If the erosion problem is drainage related, then the problem shall be fixed and the eroded area remulched.

Responsible Staff: Contractor/CESCL

2.1.6 Element 6: Protect Slopes

All cut and fill slopes will be designed, constructed, and protected in a manner that minimizes erosion. It is required that any temporary pipe slope drains must handle the peak 10-minute flow rate from a Type 1A, 10-year, 24-hour frequency storm for the developed condition. Alternatively, the 10-year, 1-hour flow rate predicted by an approved continuous runoff model, increased by a factor of 1.6, may be used. The hydrologic analysis must use the existing land cover condition for predicting flow rates from tributary areas outside the project limits. For tributary areas on the project site, the analysis must use the temporary or permanent project land cover condition, whichever will produce the highest flow rates. For modeling the condition with the Western Washington Hydrology Model (WWHM) to predict flows, bare soil areas have been modeled as “landscaped area”. Scouring will be reduced by using v-ditches with rock check dams to convey stormwater to the sediment pond on site. However, if the proposed BMPs to protect slopes are ineffective as determined by the CESCL, they will promptly initiate the implementation of one or more of the alternative BMPs listed in Appendix B.

Will steep slopes be present at the site during construction?
☒ Yes ☐ No

List and describe BMPs:
BMP C120: Temporary and Permanent Seeding

BMP C207: Check Dams

Installation Schedules: TBD

Inspection and Maintenance plan:

Temporary and Permanent Seeding Maintenance

- Reseed any seeded areas that fail to establish at least 80 percent cover (100 percent cover for areas that receive sheet or concentrated flows). If reseeding is ineffective, use an alternate method such as sodding, mulching, or nets/blankets. If winter weather prevents adequate grass growth, this time limit may be relaxed at the discretion of the local authority when sensitive areas would otherwise be protected.
- Reseed and protect by mulch any areas that experience erosion after achieving adequate cover. Reseed and protect by mulch any eroded area.
- Supply seeded areas with adequate moisture, but do not water to the extent that it causes runoff.

Check Dam Maintenance

- Check dams shall be monitored for performance and sediment accumulation during and after each runoff producing rainfall.
- Sediment shall be removed when it reaches one half the sump depth.
- Anticipate submergence and deposition above the check dam and erosion from high flows around the edges of the dam.

- If significant erosion occurs between dams, install a protective riprap liner in that portion of the channel.

Responsible Staff: Contractor/CESCL

2.1.7 Element 7: Protect Drain Inlets

All storm drain inlets and culverts made operable during construction shall be protected to prevent unfiltered or untreated water from entering the drainage conveyance system. However, the first priority is to keep all access roads clean of sediment. Storm Drain Inlet Protection (BMP C220) will be implemented for all drainage inlets and culverts that could potentially be impacted by sediment-laden runoff on and near the project site. If this is deemed ineffective by the CESCL, additional BMPs may be necessary, as listed in Appendix B. Inlet protection is the last component of a treatment train and protection of drain inlets include additional sediment and erosion control measures. Inlet protection devices will be cleaned (or removed and replaced), when sediment has filled the device by one third (1/3) or as specified by the manufacturer.

List and describe BMPs:

BMP C220: Storm Drain Inlet Protection

Installation Schedules: TBD

Inspection and Maintenance plan:

Storm Drain Inlet Protection Maintenance

- Inspect catch basin filters frequently, especially after storm events. Clean and replace clogged inserts. For systems with clogged stone filters: pull away the stones from the inlet and clean or replace. An alternative approach would be to use the clogged stone as fill and put fresh stone around the inlet.
- Do not wash sediment into storm drains while cleaning. Spread all excavated material evenly over the surrounding land area or stockpile and stabilize as appropriate.
- Inlets to be inspected weekly and a minimum of daily during storm events

Responsible Staff: Contractor/CESCL

2.1.8 Element 8: Stabilize Channels and Outlets

For construction stormwater conveyance, v-ditches with rock check dams will be installed to stabilize channels. Stabilization, including armoring material, adequate to prevent erosion of outlets, adjacent streambanks, slopes, and downstream reaches shall be provided at the outlets of all conveyance systems. The project site is located west of the Cascade Mountain Crest. As such, all temporary on-site conveyance channels shall be designed, constructed, and stabilized to prevent erosion from the expected peak 10 minute velocity of flow from a Type 1A, 10-year, 24-hour frequency storm for the developed condition. Alternatively, the 10-year, 1-hour flow rate predicted by an approved continuous runoff model, increased by a factor of 1.6, may be used. The hydrologic analysis must use the existing land cover condition for predicting flow rates from tributary areas outside the project limits. For tributary areas on the project site, the analysis must use the temporary or permanent project land cover condition, whichever will produce the highest flow rates. If using the WWHM to predict flows, bare soil areas should be modeled as “landscaped area”.

Provide stabilization, including armoring material, adequate to prevent erosion of outlets, adjacent stream banks, slopes, and downstream reaches, will be installed at the outlets of all conveyance systems.

List and describe BMPs:

BMP C207: Check Dams

Installation Schedules: TBD

Inspection and Maintenance plan:

Check Dam Maintenance

- Check dams shall be monitored for performance and sediment accumulation during and after each runoff producing rainfall. Sediment shall be removed when it reaches one half the sump depth.
- Anticipate submergence and deposition above the check dam and erosion from high flows around the edges of the dam.
- If significant erosion occurs between dams, install a protective riprap liner in that portion of the channel.

Responsible Staff: Contractor/CESCL

2.1.9 Element 9: Control Pollutants

The following pollutants are anticipated to be present on-site:

Table 2 – Pollutants

Pollutant (List pollutants and source, if applicable)
Hydraulic fluid - May be present on site with construction equipment.
Diesel - May be present on site with construction equipment.
Motor Oil - May be present on site with construction equipment.
Soil Contaminants listed in Appendix G

All pollutants, including waste materials and demolition debris, that occur onsite shall be handled and disposed of in a manner that does not cause contamination of stormwater. Good housekeeping and preventative measures will be taken to ensure that the site will be kept clean, well-organized, and free of debris. Chemicals, liquid products, petroleum products, and other polluting materials will be kept covered, stored appropriately, and locked when not in use to prevent vandalism or misuse of these materials that may pollute state waters.
If required, BMPs to be implemented to control specific sources of pollutants are discussed below. Vehicles, construction equipment, and/or petroleum product storage/dispensing:

- All vehicles, equipment, and petroleum product storage/dispensing areas will be inspected regularly to detect any leaks or spills, and to identify maintenance needs to prevent leaks or spills.
- On-site fueling tanks and petroleum product storage containers shall include secondary containment.
- Spill prevention measures, such as drip pans, will be used when conducting maintenance and repair of vehicles or equipment.
- In order to perform emergency repairs on site, temporary plastic will be placed beneath and, if raining, over the vehicle.
- Contaminated surfaces shall be cleaned immediately following any discharge or spill incident.
- Storm drain inlets vulnerable to stormwater discharge carrying dust, soil, or debris will be protected using Storm Drain Inlet Protection (BMP C220 as described above for Element 7).
- Process water and slurry resulting from sawcutting and surfacing operations will be prevented from entering the waters of the State by implementing Sawcutting and Surfacing Pollution Prevention measures (BMP C152).

Concrete and grout:

- Process water and slurry resulting from concrete work will be prevented from entering the waters of the State by implementing Concrete Handling measures (BMP C151).

List and describe BMPs:

BMP C151: Concrete Handling

BMP C152: Sawcutting and Surfacing Pollution Prevention

Installation Schedules: TBD

Inspection and Maintenance plan:

Concrete Handling Maintenance

- Check containers for holes in the liner daily during concrete pours and repair the same day.

Sawcutting and Surfacing Pollution Prevention

- Continually monitor operations to determine whether slurry, cuttings, or process water could enter waters of the state. If inspections show that a violation of water quality standards could occur, stop operations and immediately implement preventive measures such as berms, barriers, secondary containment, and vacuum trucks.

Responsible Staff: Contractor/CESCL

Will maintenance, fueling, and/or repair of heavy equipment and vehicles occur on-site?
☒ Yes ☐ No

In order to prevent spills and minimize risk, the following list should be applied

- Temporary storage area should be located away from vehicular traffic, near the construction entrance(s), and away from waterways or storm drains.
- Material Safety Data Sheets (MSDS) should be supplied for all materials stored. Chemicals should be kept in their original labeled containers.
- Hazardous material storage on-site should be minimized.
- Hazardous materials should be handled as infrequently as possible.
- During the wet weather season (Oct 1 – April 30), consider storing materials in a covered area.
- Materials should be stored in secondary containments, such as earthen dike, horse trough, or even a children's wading pool for non-reactive materials such as detergents, oil, grease, and paints. Small amounts of material may be secondarily contained in "bus boy" trays or concrete mixing trays.
- Do not store chemicals, drums, or bagged materials directly on the ground. Place these items on a pallet and, when possible, and within secondary containment.
- If drums must be kept uncovered, store them at a slight angle to reduce ponding of rainwater on the lids to reduce corrosion. Domed plastic covers are inexpensive and snap to the top of drums, preventing water from collecting.

- Liquids, petroleum products, and substances listed in 40 CFR Parts 110, 117, or 302 shall be stored in approved containers and drums and shall not be overfilled. Containers and drums shall be stored in temporary secondary containment facilities.

List and describe BMPs:

BMP C153: Material Delivery, Storage and Containment

Installation Schedules: TBD

Inspection and Maintenance plan:

The spill kit should include, at a minimum:

- 1-Water Resistant Nylon Bag
- 3-Oil Absorbent Socks 3”x 4’
- 2-Oil Absorbent Socks 3”x 10’
- 12-Oil Absorbent Pads 17”x19”
- 1-Pair Splash Resistant Goggles
- 3-Pair Nitrile Gloves
- 10-Disposable Bags with Ties
- Instructions

Responsible Staff: Contractor/CESCL

Will wheel wash or tire bath system BMPs be used during construction?
☐ Yes ☒ No

List and describe BMPs: N/A

Installation Schedules: N/A

Inspection and Maintenance plan: N/A

Responsible Staff: N/A

Will pH-modifying sources be present on-site?
☒ Yes ☐ No

Table 3 – pH-Modifying Sources

☐	None
☐	Bulk cement
☐	Cement kiln dust
☐	Fly ash
☐	Other cementitious materials
☐	New concrete washing or curing waters
☒	Waste streams generated from concrete grinding and sawing
☐	Exposed aggregate processes
☐	Dewatering concrete vaults

☐	Concrete pumping and mixer washout waters
☒	Recycled concrete
☐	Recycled concrete stockpiles
☐	Other (i.e., calcium lignosulfate) [please describe:]

List and describe BMPs:

BMP C151: Concrete Handling

BMP C152: Sawcutting and Surfacing Pollution Prevention

Installation Schedules: TBD

Inspection and Maintenance plan:

Concrete Handling Maintenance

- Check containers for holes in the liner daily during concrete pours and repair the same day.

Sawcutting and Surfacing Pollution Prevention

- Continually monitor operations to determine whether slurry, cuttings, or process water could enter waters of the state. If inspections show that a violation of water quality standards could occur, stop operations and immediately implement preventive measures such as berms, barriers, secondary containment, and vacuum trucks.

Responsible Staff: Contractor/CESCL

Concrete trucks must <u>not</u> be washed out onto the ground, or into storm drains, open ditches, streets, or streams. Excess concrete must not be dumped on-site, except in designated concrete washout areas with appropriate BMPs installed.

Will uncontaminated water from water-only based shaft drilling for construction of building, road, and bridge foundations be infiltrated provided the wastewater is managed in a way that prohibits discharge to surface waters?
☐ Yes ☒ No

List and describe BMPs: N/A

Installation Schedules: N/A

Inspection and Maintenance plan: N/A

Responsible Staff: N/A

2.1.10 Element 10: Control Dewatering

Dewatering is not anticipated to be needed for the construction site due to a deep water table. However, during soil remediation activities contaminated stormwater will be pumped to baker tanks for offsite disposal.

Table 4 – Dewatering BMPs

☐	Infiltration
☒	Transport off-site in a vehicle (vacuum truck for legal disposal)
☐	Ecology-approved on-site chemical treatment or other suitable treatment technologies
☐	Sanitary or combined sewer discharge with local sewer district approval (last resort)
☐	Use of sedimentation bag with discharge to ditch or swale (small volumes of localized dewatering)

List and describe BMPs: N/A

Installation Schedules: N/A

Inspection and Maintenance plan: N/A

Responsible Staff: Contractor/CESCL

2.1.11 Element 11: Maintain BMPs

All temporary and permanent Erosion and Sediment Control (ESC) BMPs shall be maintained and repaired as needed to ensure continued performance of their intended function.

Maintenance and repair shall be conducted in accordance with each particular BMP specification (see *Volume II of the SWMMWW or Chapter 7 of the SWMMEW*).

Visual monitoring of all BMPs installed at the site will be conducted at least once every calendar week and within 24 hours of any stormwater or non-stormwater discharge from the site. If the site becomes inactive and is temporarily stabilized, the inspection frequency may be reduced to once every calendar month.

All temporary ESC BMPs shall be removed within 30 days after final site stabilization is achieved or after the temporary BMPs are no longer needed.

Trapped sediment shall be stabilized on-site or removed. Disturbed soil resulting from removal of either BMPs or vegetation shall be permanently stabilized.

Additionally, protection must be provided for all BMPs installed for the permanent control of stormwater from sediment and compaction. BMPs that are to remain in place following completion of construction shall be examined and restored to full operating condition. If sediment enters these BMPs during construction, the sediment shall be removed and the facility shall be returned to conditions specified in the construction documents.

2.1.12 Element 12: Manage the Project

The project will be managed based on the following principles:

- Projects will be phased to the maximum extent practicable and seasonal work limitations will be taken into account.
- Inspection and monitoring:
    - Inspection, maintenance and repair of all BMPs will occur as needed to ensure performance of their intended function.
    - Site inspections and monitoring will be conducted in accordance with Special Condition S4 of the CSWGP. Sampling locations are indicated on the Site Map. Sampling station(s) are located in accordance with applicable requirements of the CSWGP.
- Maintain an updated SWPPP.
    - The SWPPP will be updated, maintained, and implemented in accordance with Special Conditions S3, S4, and S9 of the CSWGP.

As site work progresses the SWPPP will be modified routinely to reflect changing site conditions. The SWPPP will be reviewed monthly to ensure the content is current.

Table 5 – Management

☒	Design the project to fit the existing topography, soils, and drainage patterns
☒	Emphasize erosion control rather than sediment control
☒	Minimize the extent and duration of the area exposed
☒	Keep runoff velocities low
☒	Retain sediment on-site
☒	Thoroughly monitor site and maintain all ESC measures
☒	Schedule major earthwork during the dry season
☐	Other (please describe)

Table 6 – BMP Implementation Schedule

Phase of Construction Project	Stormwater BMPs	Date	Wet/Dry Season
Demolition	C151, C152, C153	March 2020	Wet
Site preparation	C105, C207, C220, C233, C240/241	April 2020-May 2020	Wet
Earthwork	C120, C121, C123	May 2020-July 2020	Dry
Civil installation	C105, C207, C220, C233, C240/241	July 2020-March 2021	Wet/Dry
Building construction		August 2020-March 2021	Wet/Dry

2.1.13 Element 13: Protect Low Impact Development (LID) BMPs

No Low Impact Developed (LID) BMPs are used in this project, so this section is not applicable.

3 Pollution Prevention Team

Table 7 – Team Information

Title	Name(s)	Phone Number
Certified Erosion and Sediment Control Leads (CESCL)	Drew Gibson Rick Young	206-618-7121 206-715-0294
Resident Engineer	Dan Balmelli	(425) 251-6222
Emergency Ecology Contact	Northwest Regional Office: WA Emergency Management Division	(425) 649-7000
Emergency Permittee/ Owner Contact	TBD	
Non-Emergency Owner Contact	TBD	
Monitoring Personnel	TBD	
Ecology Regional Office	Northwest Regional Office	(425) 649-7000

4 Monitoring and Sampling Requirements

Monitoring includes visual inspection, sampling for water quality parameters of concern, and documentation of the inspection and sampling findings in a site log book. A site log book will be maintained for all on-site construction activities and will include:

- A record of the implementation of the SWPPP and other permit requirements
- Site inspections
- Stormwater sampling data

File a blank form under Appendix D.

The site log book must be maintained on-site within reasonable access to the site and be made available upon request to Ecology or the local jurisdiction.

4.1 Site Inspection

Site inspections will be conducted at least once every calendar week and within 24 hours following any discharge from the site. For sites that are temporarily stabilized and inactive, the required frequency is reduced to once per calendar month.

The discharge point(s) to the sanitary sewer are indicated on the Site Map (see Appendix A) and in accordance with the applicable requirements of the CSWGP.

5 Reporting and Record Keeping

5.1 Record Keeping

5.1.1 Site Log Book

A site log book will be maintained for all on-site construction activities and will include:

- A record of the implementation of the SWPPP and other permit requirements
- Site inspections
- Sample logs

5.1.2 Records Retention

Records will be retained during the life of the project and for a minimum of three (3) years following the termination of permit coverage in accordance with Special Condition S5.C of the CSWGP.

Permit documentation to be retained on-site:

- CSWGP
- Permit Coverage Letter
- SWPPP
- Site Log Book

Permit documentation will be provided within 14 days of receipt of a written request from Ecology. A copy of the SWPPP or access to the SWPPP will be provided to the public when requested in writing in accordance with Special Condition S5.G.2.b of the CSWGP.

5.1.3 Updating the SWPPP

The SWPPP will be modified if:

- Found ineffective in eliminating or significantly minimizing pollutants in stormwater discharges from the site.
- There is a change in design, construction, operation, or maintenance at the construction site that has, or could have, a significant effect on the discharge of pollutants to waters of the State.

The SWPPP will be modified within seven (7) days if inspection(s) or investigation(s) determine additional or modified BMPs are necessary for compliance. An updated timeline for BMP implementation will be prepared.

5.2 Reporting

5.2.1 Discharge Monitoring Reports

Cumulative soil disturbance is one (1) acre or larger; therefore, Discharge Monitoring Reports (DMRs) will be submitted to Ecology monthly. If there was no discharge during a given monitoring period the DMR will be submitted as required, reporting “No Discharge”. The DMR due date is fifteen (15) days following the end of each calendar month.

DMRs will be reported online through Ecology’s WQWebDMR System.

5.2.2 Notification of Noncompliance

If any of the terms and conditions of the permit is not met, and the resulting noncompliance may cause a threat to human health or the environment, the following actions will be taken:

1. Ecology will be notified within 24-hours of the failure to comply by calling the applicable Regional office ERTS phone number (Regional office numbers listed below).
2. Immediate action will be taken to prevent the discharge/pollution or otherwise stop or correct the noncompliance. If applicable, sampling and analysis of any noncompliance will be repeated immediately and the results submitted to Ecology within five (5) days of becoming aware of the violation.
3. A detailed written report describing the noncompliance will be submitted to Ecology within five (5) days, unless requested earlier by Ecology.

Anytime turbidity sampling indicates turbidity is 250 NTUs or greater, or water transparency is 6 cm or less, the Ecology Regional office will be notified by phone within 24 hours of analysis as required by Special Condition S5.A of the CSWGP.

- Northwest Region at (425) 649-7000 for King, Kitsap, Island, San Juan, Skagit, Snohomish, Whatcom

Include the following information:

1. Your name and / Phone number
2. Permit number
3. City / County of project
4. Sample results
5. Date / Time of call
6. Date / Time of sample
7. Project name

In accordance with Special Condition S4.D.5.b of the CSWGP, the Ecology Regional office will be notified if chemical treatment other than CO_2 sparging is planned for adjustment of high pH water.

A. Site Map

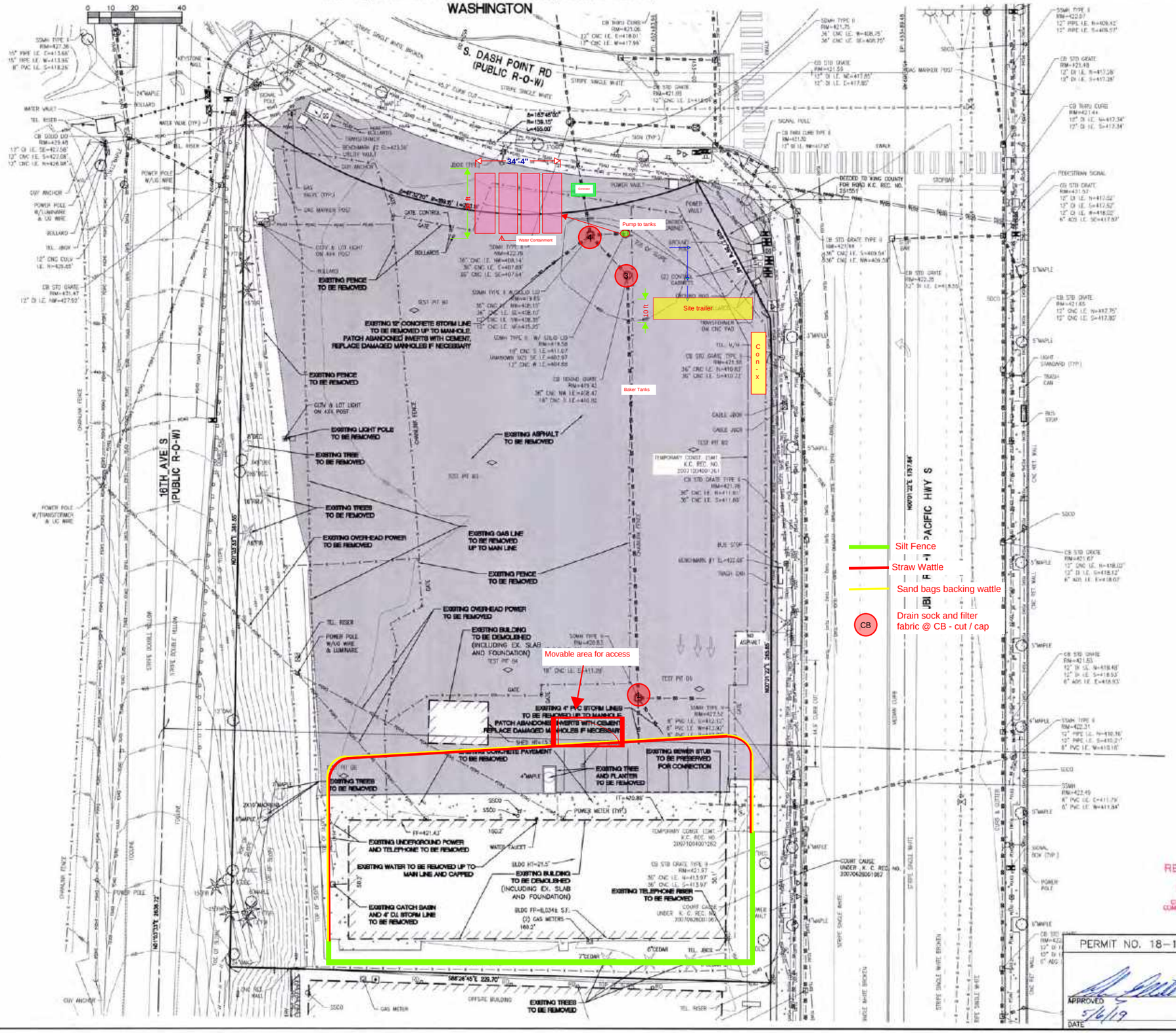
DEMOLITION TESC PLAN

EXISTING CONDITIONS AND DEMOLITION PLAN

A PORTION OF THE NW 1/4 OF THE SW 1/4 OF SEC. 4, TWN 21 N,
RG 4 E, W.M. CITY OF FEDERAL WAY, KING COUNTY,
WASHINGTON

1"=20'

CALL BEFORE YOU DIG A
MINIMUM OF 48 HOURS
PRIOR TO ANY EXCAVATION
811



NOTES:

1. CONTRACTOR TO FIELD LOCATE AND VERIFY VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES.
2. ALL UTILITIES TO BE REMOVED UP TO THE MAIN LINE.
3. ALL ABANDONED MANHOLE INVERTS FROM REMOVED PIPES SHALL BE PATCHED WITH CEMENT. REPLACE ANY DAMAGED MANHOLES.

RESUBMITTED
MAR 19 2019
CITY OF FEDERAL WAY
COMMUNITY DEVELOPMENT

PERMIT NO. 18-102604-CO
APPROVED
DATE 5/6/19

No.	Date	By	Chk.	Appr.	Revision
3	03/18/19	JT	CP	CP	REVISED PER CITY COMMENTS

Title: EXISTING CONDITIONS AND DEMOLITION PLAN FOR OCED - FEDERAL WAY

For: OFF CAMPUS EMERGENCY DEPARTMENT - FEDERAL WAY
29805 PACIFIC HIGHWAY S.
FEDERAL WAY, WA

CONSTANTINE PHILIPPIDES
STATE OF WASHINGTON
38375
REGISTERED
PROFESSIONAL ENGINEER
03/18/2019

Scale: Horizontal 1"=20' Vertical N/A
Designed JT Drawn JT Checked CP Approved CP Date 3/18/19

BARGHAUSEN CONSULTING ENGINEERS, INC.
18215 72ND AVENUE SOUTH
KENT, WA 98032
(425)251-6222 (425)251-8782 FAX
CIVIL ENGINEERING, LAND PLANNING, SURVEYING, ENVIRONMENTAL SERVICES

Job Number 18660 Sheet C2 of 10

3 03/27/19 JT CP REVISED PER CITY COMMENTS

GRADE AND FILL TESC PLAN

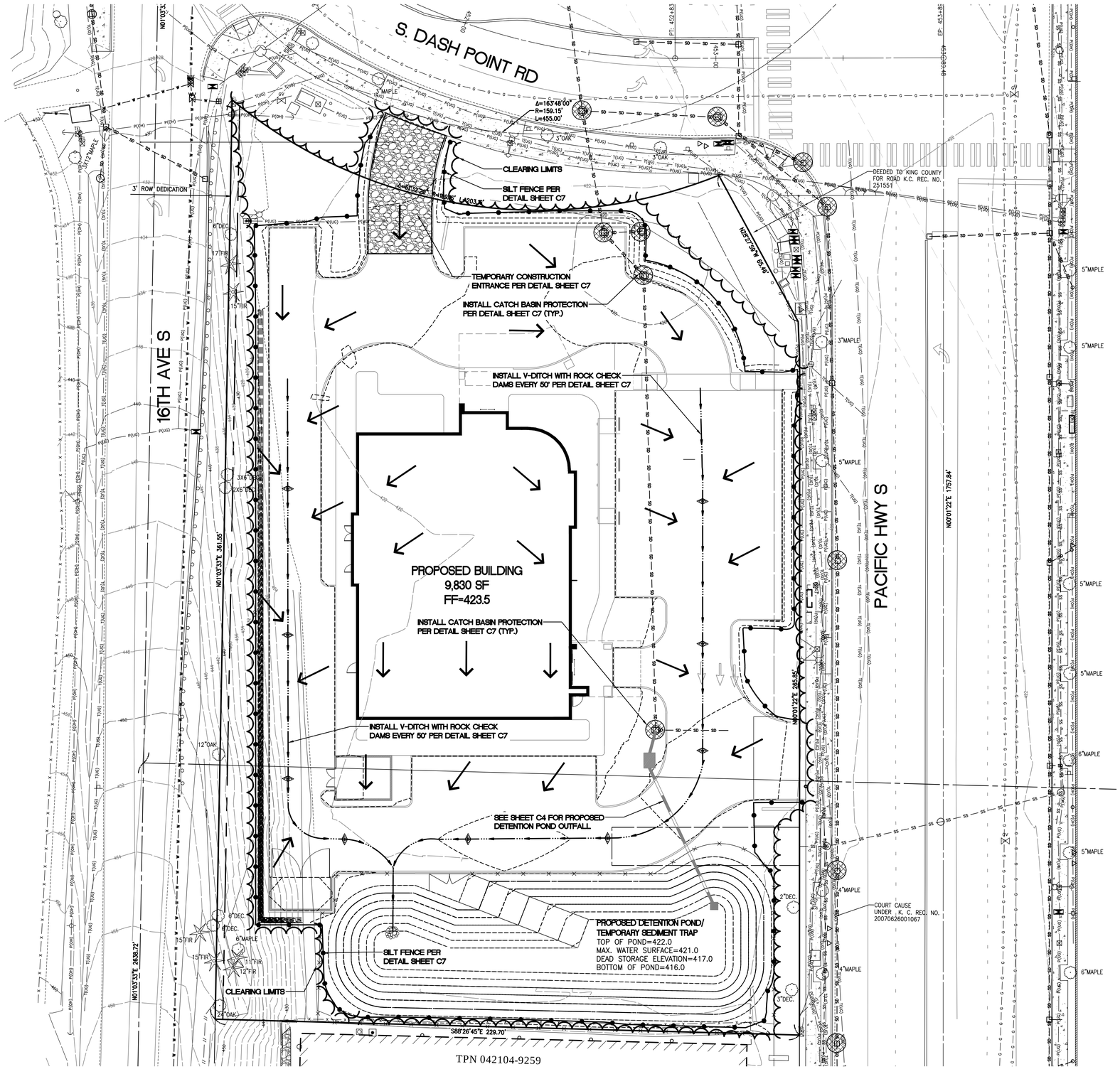
GRADE AND FILL TESC PLAN

A PORTION OF THE NW 1/4 OF THE SW 1/4 OF SEC. 4, TWN 21 N,
RG 4 E, W.M. CITY OF FEDERAL WAY, KING COUNTY,
WASHINGTON

1"=20'

0 10 20 40

CALL BEFORE YOU DIG A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION 811



NOTE:

CONTRACTOR TO FIELD LOCATE AND VERIFY VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES.

NOTE:

TEMPORARY SEDIMENT TRAP SHALL BE USED ONLY AFTER SOIL REMEDIATION ACTIVITIES ARE COMPLETE AND ALL STORMWATER TESTS CLEAN PER THE DEPARTMENT OF ECOLOGY.

PERMIT NO. 18-102604-CO

APPROVED

DATE

TPN 042104-9259

No.	Date	By	Ckd.	Appr.	Revision
3	03/18/19	JT	CP	CP	REVISED PER CITY COMMENTS

Title: GRADE AND FILL TESC PLAN FOR OCED - FEDERAL WAY

For: OFF CAMPUS EMERGENCY DEPARTMENT - FEDERAL WAY 29805 PACIFIC HIGHWAY S. FEDERAL WAY, WA

DANIEL K. BALMELLI — STATE OF WASHINGTON — 25672 — REGISTERED PROFESSIONAL ENGINEER
02/14/2020

Scale: Horizontal 1"=20' Vertical N/A

Designed JT Drawn JT Checked DKB Approved DKB Date 02/14/20

BARGHAUSEN CONSULTING ENGINEERS, INC.
18215 72ND AVENUE SOUTH
KENT, WA 98032
(425)251-6222 FAX
(425)251-8782
CIVIL ENGINEERING, LAND PLANNING, SURVEYING, ENVIRONMENTAL SERVICES

Job Number 18660

Sheet C3 of 10

H:\P\18000s\18660\engineering\18660-a.dwg Date/Time:2/14/2020 7:02 PM Scale:1 = 1 JTOWNE Xref: -----

B. BMP Detail

Please see following pages for appropriate BMP details.
Below is a list of Alternative BMPs to be used if the BMPs listed in the body of this document are deemed ineffective by the CESCL.

Element #1 - Mark Clearing Limits
BMP C101: Preserving Natural Vegetation
BMP C102: Buffer Zones
BMP C103: High Visibility Fence

Element #2 - Establish Construction Access
BMP C106: Wheel Wash
BMP C107: Construction Road/Parking Area Stabilization

Element #3 - Control Flow Rates
BMP C203: Water Bars
BMP C209: Outlet Protection
BMP C235: Wattles

Element #4 - Install Sediment Controls
BMP C231: Brush Barrier
BMP C232: Gravel Filter Berm
BMP C234: Vegetated Strip
BMP C235: Wattles
BMP C250: Construction Stormwater Chemical Treatment
BMP C251: Construction Stormwater Filtration
Other Proprietary Sediment Control Technologies

Element #5 - Stabilize Soils
BMP C122: Nets and Blankets
BMP C124: Sodding
BMP C125 Compost
BMP C126: Topsoiling
BMP C127: Polyacrylamide for Soil Erosion Protection
BMP C130: Surface Roughening
BMP C131: Gradient Terraces

Element #6 - Protect Slopes
BMP C121: Mulching
BMP C122: Nets and Blankets
BMP C131: Gradient Terraces
BMP C200: Interceptor Dike and Swale
BMP C201: Grass-Lined Channels
BMP C203: Water Bars
BMP C204: Pipe Slope Drains
BMP C205: Subsurface Drains
BMP C206: Level Spreader
BMP C208: Triangular Silt Dike (Geotextile-Encased Check Dam)

Element #7 - Protect Drain Inlets
BMP C220: Storm Drain Inlet Protection

Element #8 - Stabilize Channels and Outlets
BMP C122: Nets and Blankets
BMP C202: Channel Lining
BMP C209: Outlet Protection

Element #9 - Control Pollutants
BMP C154: Concrete Washout Area
BMP C250: Construction Stormwater Chemical Treatment
BMP C251: Construction Stormwater Filtration
BMP C252: High pH Neutralization Using Co_2
BMP C253: pH Control for High pH Water
Source Control BMPs As Appropriate

Element #10 - Control Dewatering
BMP C203: Water Bars
BMP C226: Vegetative Filtration
BMP C250: Construction Stormwater Chemical Treatment
BMP C251: Construction Stormwater Filtration

Element #11 - Maintain BMPs
BMP C150: Materials on Hand
BMP C160: Erosion and Sedimentation Control Lead

Element #12 - Manage the Project
BMP C150: Materials on Hand
BMP C160: Erosion and Sediment Control Lead
BMP C162: Scheduling

Element #13: Protect Low Impact Development
BMP C102: Buffer Zone
BMP C103: High Visibility Fence
BMP C200: Interceptor Dike and Swale
BMP C201: Grass-Lined Channels
BMP C207: Check Dams
BMP C208: Triangular Silt Dike (TSD) (Geotextile-Encased Check Dam)
BMP C231: Brush Barrier
BMP C233: Silt Fence
BMP C234: Vegetated Strip

C. Correspondence

Please see following for any pertinent correspondence regarding this project.

Applicable information to be inserted here as needed.

D. Site Inspection Form

Please see following pages for the site inspection form.

Construction Stormwater Site Inspection Form

Project Name _____ Permit # _____ Inspection Date _____ Time _____

Name of Certified Erosion Sediment Control Lead (CESCL) or qualified inspector if *less than one acre*
Print Name: _____

Approximate rainfall amount since the last inspection (in inches): _____

Approximate rainfall amount in the last 24 hours (in inches): _____

Current Weather Clear ☐ Cloudy ☐ Mist ☐ Rain ☐ Wind ☐ Fog ☐

A. Type of inspection: Weekly ☐ Post Storm Event ☐ Other ☐

B. Phase of Active Construction (*check all that apply*):

Pre Construction/installation of erosion/sediment controls	☐	Clearing/Demo/Grading	☐	Infrastructure/storm/roads	☐
Concrete pours	☐	Vertical Construction/buildings	☐	Utilities	☐
Offsite improvements	☐	Site temporary stabilized	☐	Final stabilization	☐

C. Questions:

1. Were all areas of construction and discharge points inspected? Yes ___ No ___
2. Did you observe the presence of suspended sediment, turbidity, discoloration, or oil sheen Yes ___ No ___
3. Was a water quality sample taken during inspection? (*refer to permit conditions S4 & S5*) Yes ___ No ___
4. Was there a turbid discharge 250 NTU or greater, or Transparency 6 cm or less?* Yes ___ No ___
5. If yes to #4 was it reported to Ecology? Yes ___ No ___
6. Is pH sampling required? pH range required is 6.5 to 8.5. Yes ___ No ___

If answering yes to a discharge, describe the event. Include when, where, and why it happened; what action was taken, and when.

_____

_____

_____

_____

*If answering yes to # 4 record NTU/Transparency with continual sampling daily until turbidity is 25 NTU or less/ transparency is 33 cm or greater.

Sampling Results: Date: _____

Parameter	Method (circle one)	Result			Other/Note
		NTU	cm	pH	
Turbidity	tube, meter, laboratory				
pH	Paper, kit, meter				

Construction Stormwater Site Inspection Form

D. Check the observed status of all items. Provide "Action Required "details and dates.

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
1 Clearing Limits	Before beginning land disturbing activities are all clearing limits, natural resource areas (streams, wetlands, buffers, trees) protected with barriers or similar BMPs? (high visibility recommended)						
2 Construction Access	Construction access is stabilized with quarry spalls or equivalent BMP to prevent sediment from being tracked onto roads?						
	Sediment tracked onto the road way was cleaned thoroughly at the end of the day or more frequent as necessary.						
3 Control Flow Rates	Are flow control measures installed to control stormwater volumes and velocity during construction and do they protect downstream properties and waterways from erosion?						
	If permanent infiltration ponds are used for flow control during construction, are they protected from siltation?						
4 Sediment Controls	All perimeter sediment controls (e.g. silt fence, wattles, compost socks, berms, etc.) installed, and maintained in accordance with the Stormwater Pollution Prevention Plan (SWPPP).						
	Sediment control BMPs (sediment ponds, traps, filters etc.) have been constructed and functional as the first step of grading.						
	Stormwater runoff from disturbed areas is directed to sediment removal BMP.						
5 Stabilize Soils	Have exposed un-worked soils been stabilized with effective BMP to prevent erosion and sediment deposition?						

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
5 Stabilize Soils Cont.	Are stockpiles stabilized from erosion, protected with sediment trapping measures and located away from drain inlet, waterways, and drainage channels?						
	Have soils been stabilized at the end of the shift, before a holiday or weekend if needed based on the weather forecast?						
6 Protect Slopes	Has stormwater and ground water been diverted away from slopes and disturbed areas with interceptor dikes, pipes and or swales?						
	Is off-site storm water managed separately from stormwater generated on the site?						
	Is excavated material placed on uphill side of trenches consistent with safety and space considerations?						
	Have check dams been placed at regular intervals within constructed channels that are cut down a slope?						
7 Drain Inlets	Storm drain inlets made operable during construction are protected.						
	Are existing storm drains within the influence of the project protected?						
8 Stabilize Channel and Outlets	Have all on-site conveyance channels been designed, constructed and stabilized to prevent erosion from expected peak flows?						
	Is stabilization, including armoring material, adequate to prevent erosion of outlets, adjacent stream banks, slopes and downstream conveyance systems?						
9 Control Pollutants	Are waste materials and demolition debris handled and disposed of to prevent contamination of stormwater?						
	Has cover been provided for all chemicals, liquid products, petroleum products, and other material?						
	Has secondary containment been provided capable of containing 110% of the volume?						
	Were contaminated surfaces cleaned immediately after a spill incident?						
	Were BMPs used to prevent contamination of stormwater by a pH modifying sources?						

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
9 Cont.	Wheel wash wastewater is handled and disposed of properly.						
10 Control Dewatering	Concrete washout in designated areas. No washout or excess concrete on the ground.						
	Dewatering has been done to an approved source and in compliance with the SWPPP.						
	Were there any clean non turbid dewatering discharges?						
11 Maintain BMP	Are all temporary and permanent erosion and sediment control BMPs maintained to perform as intended?						
12 Manage the Project	Has the project been phased to the maximum degree practicable?						
	Has regular inspection, monitoring and maintenance been performed as required by the permit?						
	Has the SWPPP been updated, implemented and records maintained?						
13 Protect LID	Is all Bioretention and Rain Garden Facilities protected from sedimentation with appropriate BMPs?						
	Is the Bioretention and Rain Garden protected against over compaction of construction equipment and foot traffic to retain its infiltration capabilities?						
	Permeable pavements are clean and free of sediment and sediment laden-water runoff. Muddy construction equipment has not been on the base material or pavement.						
	Have soiled permeable pavements been cleaned of sediments and pass infiltration test as required by stormwater manual methodology?						
	Heavy equipment has been kept off existing soils under LID facilities to retain infiltration rate.						

E. Check all areas that have been inspected. ✔

All in place BMPs ☐ All disturbed soils ☐ All concrete wash out area ☐ All material storage areas ☐
All discharge locations ☐ All equipment storage areas ☐ All construction entrances/exits ☐

F. Elements checked "Action Required" (section D) describe corrective action to be taken. List the element number; be specific on location and work needed. Document, initial, and date when the corrective action has been completed and inspected.

Element #	Description and Location	Action Required	Completion Date	Initials

Attach additional page if needed

Sign the following certification:

"I certify that this report is true, accurate, and complete, to the best of my knowledge and belief"

Inspected by: (print) _____ (Signature) _____ Date: _____

Title/Qualification of Inspector: _____

E. Construction Stormwater General Permit (CSWGP)

Please see following attachment for the CSWGP

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
PO Box 47600 • Olympia, WA 98504-7600 • 360-407-6000
711 for Washington Relay Service • Persons with a speech disability can call 877-833-6341

March 8, 2019

Ron Huffman
Andersen Construction Company
5601 6th Ave S Ste 550
Seattle, WA 98108-2545

RE: Coverage under the Construction Stormwater General Permit (CSWGP)

Permit number:	**WAR307638**
Site Name:	**Federal Way Off-Campus Emergency Care Ce**
Location:	**29805 Pacific Hwy S**
	Federal Way, WA **County: King**
Disturbed Acres:	1.7

Dear Ron Huffman:

The Washington State Department of Ecology (Ecology) received your Notice of Intent for coverage under Ecology's Construction Stormwater General Permit (CSWGP). This is your permit coverage letter. Your permit coverage is effective March 6, 2019. **Please retain this permit coverage letter as the official record of permit coverage for your site.**

Ecology has approved use of electronic formats as long as they are easily produced on your construction site. A mobile friendly copy of the CSWGP permit, permit forms, and information related to your permit can be viewed and downloaded at www.ecology.wa.gov/eCoverage-packet. Please contact your Permit Administrator, listed below, if you would like to receive a hard copy of the CSWGP.

Please take time to read the entire permit and contact Ecology if you have any questions.

Electronic Discharge Monitoring Reports (WQWebDMR)
This permit requires that Permittees submit monthly discharge monitoring reports (DMRs) for the full duration of permit coverage (from issuance date to termination). DMRs must be submitted electronically using Ecology's secure online system, WQWebDMR. To sign up for WQWebDMR go to www.ecy.wa.gov/programs/wq/permits/paris/webdmr.html. If you have questions, contact the portal staff at (360) 407-7097 (Olympia area), or (800) 633-6193/option 3, or email WQWebPortal@ecy.wa.gov.

Appeal Process
You have a right to appeal coverage under the general permit to the Pollution Control Hearing Board (PCHB). Appeals must be filed within 30 days of the date of receipt of this letter. Any appeal is limited to the general permit's applicability or non-applicability to a specific discharger. The appeal process is governed by chapter 43.21B RCW and chapter 371-08 WAC. "Date of receipt" is defined in RCW 43.21B.001(2). For more information regarding your right to appeal, go to https://fortress.wa.gov/ecy/publications/SummaryPages/1710007.html to view Ecology's Focus Sheet: *Appeal of General Permit Coverage*.

Ecology Field Inspector Assistance
If you have questions regarding stormwater management at your construction site, please contact Evan Dobrowski of Ecology's Northwest Regional Office in Bellevue at evan.dobrowski@ecy.wa.gov, or (425) 649-7276.

Questions or Additional Information
Ecology is committed to providing assistance. Please review our web page at www.ecology.wa.gov/constructionstormwaterpermit. If you have questions about the Construction Stormwater General Permit, please contact your Permit Administrator, RaChelle Stane at rachelle.stane@ecy.wa.gov or (360) 407-6556.

Sincerely,

Vincent McGowan, P.E., Manager
Program Development Services Section
Water Quality Program

F. 303(d) List Waterbodies / TMDL Waterbodies Information

Please see following pages for any pertinent information regarding 303(d) List Waterbodies or TMDL Waterbodies.

Applicable information to be inserted here as needed.

G. Contaminated Site Information

Please see following pages for information on site contamination.

Soil Management Plan

Future Federal Way Hospital
29805 Pacific Highway South
Federal Way, King County, Washington

Presented to:

MultiCare Health System, a Washington nonprofit corporation
315 Martin Luther King Jr. Way
Tacoma, Washington 98415-0299

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Prepared by:

TGE Resources, Inc.
8048 Northcourt Street
Houston, TX 77040
(713) 744-5800

December 31, 2019

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1.0 INTRODUCTION

TGE Resources, Inc., ("TGE") has prepared this Soil Management Plan ("SMP") on behalf of MultiCare Health System, a Washington nonprofit corporation, ("MulitCare", "MHS", or "Lessee") for the Future Federal Way Hospital property located at 29805 Pacific Highway South, King County, Washington, hereinafter referred to as the "Site" or "Property" (**Figure 1 – Site Location Map**). This plan was prepared to convey certain control methods to be used during disturbance of environmentally impacted soil that will be encountered during redevelopment of the Property. Specifically, the purpose of this plan is to specify key components, applicable and relevant operating procedures and control methods, pertinent personnel, and documentation necessary to execute a compliant environmental contaminated soil management plan per federal and state requirements at the above-referenced Property.

Site Background

According to King County Appraisal District (CAD) information, the Property is currently owned by NIKLEXI, LLC ("Owner" or "Lessor"). The Site is leased by MultiCare via a lease agreement executed on March 29, 2019. The Site is slated for repurposing for healthcare redevelopment. the Property is comprised of two parcels comprising a reported 1.72 acres (74,887 square feet). Current Site improvements (pre-construction) consist of a 6,350 square-foot, partial two-story, commercial office and automobile repair facility that was constructed in 1970. Relevant environmental investigations for the Site are listed/summarized below:

- A Phase I Environmental Site Assessment (ESA), dated August 2017, was prepared by TGE for PhiloWilke Partnership (Client's architect). The Phase I ESA identified historic Site use as a retail fueling station with concurrent use of underground petroleum storage tanks (PSTs), historic/current Site use for automotive repair, and the former location of a greenhouse – these were recognized environmental conditions (RECs) for the Property.

- TGE conducted a Limited Phase II ESA (issued to PhiloWilke), which included soil vapor assessment at the Property in September and November 2017. TGE advanced and sampled certain soil borings (designated SB-1 through SB-5) to depths ranging from 12 feet below grade (fbg) to 20 fbg; likewise, two additional soil borings were completed as temporary vapor monitor points (designated TVMP-1 and TVMP-2) to depths of eight (8) fbg. Sample locations were selected in consideration of RECs identified in connection with the Property.

- A Supplemental Phase II assessment was conducted by TGE in October 2017. TGE installed and sampled one temporary screened borehole (designated TSB-1) to a terminal depth of 110 fbg, with the intention of groundwater characterization. However, poor groundwater production was realized and groundwater sample collection was not possible within the stated depth of assessment. Additionally, seven (7) soil borings (designated SB-6 through SB-12) were completed within areas designated by the current Owner as "accessible", prior to the lease being finalized by MHS. These borings were extended to depths not in excess of 10 fbg and performed to further predevelopment soil characterization assessment.

- In August 2018, TGE conducted oversight of an environmental investigation performed at the Site by Environmental Associates, Inc. ("EAI"). EAI was reported as the environmental consultant representing the Property Owner, which (at that time) was identified as "Cantu Commercial Property, LLC". EAI performed field procedures for soil and soil vapor investigation within the shop area; they allowed TGE to collect "split" samples for analysis. Per the EAI scope of work, areas of investigation for the split sampling event were limited to the auto bays, adjacent to interior sumps, adjacent to waste

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material storage containers, and at notable exterior surface stained areas that were previously inaccessible to TGE during prior assessment (2107). Additional soil vapor borings were placed near the northern, eastern and western Property boundaries to "evaluate" the potential for soil vapor encroachment from an off-Site source(s).

- In November 2019, with construction imminent, TGE was given access to characterize previously non-accessible Site areas. Specifically, TGE performed an expedited characterization assessment, which included the performance of a series of soil borings (soil borings SB-13 through SB-53) across the Property. This assessment was performed to serve the following purposes:

    - to establish (or rule out) whether a reporting responsibility under Washington Administrative Code (WAC) 173-340-350 and provisions of the State of Washington's Model Toxics Control Act (MTCA - Chapter 70.105D RCW) would be required;

    - to allow preparation of this SMP in compliance with Owner requirements;

    - to characterize pathway-of-disturbance soil in advance of construction-related earthwork prior to removal management and associated budgeting;

    - to establish Ecology's agency/program requirements (Voluntary Cleanup Program [VCP], Pollution Liability Insurance Association [PLIA], or both); and

    - to allow the preparation of project budget estimates and environmentally- related obligations for the Owner and tenant in advance of, during, and following Site redevelopment.

- Based on the November 2019 assessment outcome, seven (7) areas of contamination exist within the limits of the Property. Chemicals of concern (COCs) concentrations exceed applicable MTCA Method A and/or Simplified Terrestrial Ecological screening levels and will require advanced coordination with the Owner, Ecology, and MHS representatives. While a follow-on Phase II assessment is planned for January 2020 to better establish and determine disposal alternatives for the affected soil volume, TGE has established that the material will be addressed under dual agency oversight. Petroleum hydrocarbon-impacted soil will be managed through the PLIA program; while soil impacted with pesticide (greenhouse area) will be managed via the state's Voluntary Cleanup Program (VCP). Remediation via a self-implementation strategy (Independent Remedial Action) will entail excavation and off-Property disposal of affected soil at a permitted Subtitle D landfill during planned Site redevelopment.

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2.0 PURPOSE

This Plan has been prepared to meet (in part) Agreement No. 2 – Soils Management Plan, Discovery Notice, Remediation Work Notice, and Lessor Oversight of the Environmental Reimbursement Agreement (effective as of March 29, 2019) between Owner and MHS and to ensure compliance with applicable environmental and employee health and safety standards ("Environmental Laws"). Such compliance will minimize risk to the Lessee, the General Contractor, workers/employees, and the environment during earthwork (e.g., excavation, drilling, grading, trenching, etc.) in areas of known environmental impact ("Existing Contamination").

There is a potential that construction workers will encounter environmentally-impacted soil ("Hazardous Substances" - petroleum hydrocarbons, volatile organic compounds [VOCs], RCRA metals, and/or pesticides present on-Site prior to March 29, 2019) during Site redevelopment/construction (the "Project"). Existing Contamination (a "release") is known to have occurred at the Site from historical Site use as a retail fueling station with concurrent use of underground petroleum storage tanks (PSTs), historic/recent use as an automotive repair facility from the early 1970s to November 2019, and former presence of a greenhouse on-Site (see **Figure 2 – Impacted Soil Map**). Additionally, the potential exists that additional areas of environmental impact will be encountered at the Site once building demolition begins.

The principal purpose of this Plan is to provide/describe recommended procedures and best management practices (BMPs) to be undertaken in anticipation of encountering environmentally-impacted soil, fill material, and/or underground PST system components (e.g., tanks, product piping, etc.) during "Remedial Activities" to be conducted/coordinated with planned Site redevelopment. The SMP is intended to serve as a guide to the Lessee's General Contractor specific to effective management of Existing Contamination and minimization of potential effects to worker health and safety. This plan is also to be used as a reference to ensure for prompt communication of the discovery of additional environmental impact (a "material change in scope") to Lessor, affected parties, and/or regulatory personnel; and a means to reduce the potential for impact to the environment respecting contaminated media. This Plan and the General Contractor's Occupational Safety and Health Administration (OSHA) mandated Health and Safety Plan should control/limit exposure of Site workers and the general public to soil, dust, vapors, and odors associated with these operations.

Additionally, this Plan provides a description of how Existing Contamination is to be manipulated (handled) upon discovery of additional "Hazardous Substances" during Remedial Activities, sampling requirements for disposal characterization, profiling of unsuitable soil, reduction of potential impact to ambient air or storm water runoff, and specific record-keeping requirements to be maintained. Appropriate management of Existing Contamination is required for the following reasons:

- to protect human health and the environment;
- to protect against liability for environmental damage(s); and
- to reduce/limit potential impact to construction schedules and associated costs.

Implementation of this Plan will be the responsibility of the contractor of choice (recommended to be an OSHA trained company) with supervision/oversight by Lessee's Consultant (TGE). Additionally, work practices presented herein are to be used by any party involved in soil disturbance activities (e.g., excavation, grading, trenching, drilling, utility installation, and/or landscaping).

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3.0 EXTENT OF SOIL IMPACT

Soil, groundwater, and soil vapor testing at the Property between September 2017 and November 2019 by TGE confirmed the presence of Existing Contamination at the Site. As detailed below, certain soil (within former vehicle parking/storage areas, former PST areas associated with historic/recent auto repair Site use, and a former greenhouse) has been determined impacted with petroleum hydrocarbons (specifically, gasoline-range organics [GRO], diesel-range organics [DRO] and oil-range organics [ORO]); RCRA metals cadmium, lead and arsenic; and the organochlorine pesticide dieldrin above respective Washington Department of Ecology (Ecology) MTCA Method A and/or Simplified Terrestrial Ecological screening limits, as set forth within MTCA regulation/statute (as applicable). The extent of known and suspected contamination exists at the Site within seven (7) areas of concern, referred to herein as "Area A" through "Area G" (see **Figure 2 – Potentially Impacted Soil Map**). Each area is described below and includes a table with respective analyte(s) and associated maximum concentrations reported for that zone.

While there are no underground PSTs known to currently exist at the Property, the potential exists for a "ghost" tank (or associated product piping) to be discovered during planned earthwork activities. Should a PST (or any associated equipment/piping) be encountered during redevelopment, the tank (and any system component) will require decommissioning and removal in accordance with Washington Administrative Code (WAC) Chapter 173-360A (such requirements are not specified herein). While it is likely that TGE has encountered the majority of Existing Contamination at the Site during previous environmental investigations (or the follow-on Phase II assessment planned for January 2020), it is likely that impacted soil will require advanced coordination with the Owner, Ecology, and MHS representatives. While a follow-on Phase II assessment is planned for January 2020 to better establish and determine disposal alternatives for the affected soil volume, TGE has established that the material will be addressed under dual agency oversight. Petroleum hydrocarbon-impacted soil will be managed through the PLIA program; while soil impacted with pesticide (greenhouse area) will be managed via the state's Voluntary Cleanup Program (VCP). Remediation via a self-implementation strategy (Independent Remedial Action) will entail excavation and off-Property disposal of affected soil at a permitted Subtitle D landfill during planned Site redevelopment.

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Area A

Area A is positioned within the east-central portion of the Property and was formerly used for unpaved paved vehicle parking. Laboratory analyses of soil samples (collected at depths ranging from the ground surface to 20 fbg) reported the following maximum concentrations of RCRA metals (cadmium and lead).

				RCRA Metals (EPA Method 6010)	
Station Name	**Laboratory Identification**	**Sample Date**	**Depth Range**	**Cadmium**	**Lead**
MTCA Method A Direct Contact				2	250
Simplified Terrestrial Eco Evaluation Unrestricted				NL	220
Soil Protective of Groundwater (Vadose at 13 Deg.)				0.69	3000
Reporting Units				mg/kg	
SB26	L1161924-37	11/14/2019	0 - 1 ft	0.5000 J	137
	L1161924-38	11/14/2019	2 - 3 ft	**0.848**	**251**
	L1161924-39	11/14/2019	4 - 6 ft	**0.712**	185
	L1161924-40	11/14/2019	8 - 9 ft	**0.756**	**261**
	L1161924-41	11/14/2019	10 - 11 ft	0.662	**320**
	L1166115-01	11/14/2019	11 - 12 ft	NT	76.5
	L1165628-33	11/14/2019	14 - 15 ft	NT	26.7
	L1161924-42	11/14/2019	16 - 17 ft	0.4690 J	77.1
	L1161924-43	11/14/2019	19 - 20 ft	0.4250 J	80.3

NT – Not Tested

NL – No Limit

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Area B

Area B was identified (Phase I ESA) as the former location of a greenhouse, this area has been utilized as unpaved as well as paved vehicle parking/storage, and is positioned in the northeastern portion of the Property. Laboratory analyses of soil samples (collected at depths ranging from the ground surface to 5 fbg) reported the following maximum concentrations of the pesticide dieldrin and associated RCRA metals (arsenic, cadmium, and lead).

				RCRA Metals (EPA Method 6010)				OC Pesticides (Method 8081)
Station Name	**Laboratory Identification**	**Sample Date**	**Depth Range**	**Arsenic**	**Cadmium**	**Lead**	**Total Chromium**	**Dieldrin**
MTCA Method A Direct Contact				20	2	250	NL	NL
Simplified Terrestrial Eco Evaluation Unrestricted				NL	NL	220	42	0.17
Soil Protective of Groundwater (Vadose at 13 Deg.)				2.92	0.69	3000	NL	0.00282
Reporting Units				mg/kg				
SB30	L1161924-65	11/14/2019	0 - 0.5 ft	**338**	**0.911**	**301**	**43.9**	**0.00314 J**
	L1161924-66	11/14/2019	0.5 - 1 ft	**291**	**0.85**	**261**	37.4	**0.00290 J**
	L1161924-67	11/14/2019	1 - 1.5 ft	**142**	0.4980 J	127	33.3	0.00200 J
	L1161924-68	11/14/2019	1.5 - 2 ft	**86.9**	0.341 J	74.6	36.9	0.00245 J
	L1165628-39	11/14/2019	3 - 3.5 ft	5.31	NT	27.5	31.8	0.00186 J
	L1165628-40	11/14/2019	4.5 - 5 ft	13.2	NT	12	28.7	<0.00164
SB31	L1161924-69	11/14/2019	0 - 0.5 ft	**59.3**	0.4460 J	84.5	30.3	0.00249 JP
	L1161924-70	11/14/2019	0.5 - 1 ft	**51.7**	0.4110 J	65.4	27.8	0.00201 JP
	L1161924-71	11/14/2019	1 - 1.5 ft	**125**	**0.986**	143	34.1	**0.00657 JP**
	L1161924-72	11/14/2019	1.5 - 2 ft	**163**	**1.15**	182	35.4	**0.00549 JP**
	L1165628-41	11/14/2019	3 - 3.5 ft	**170**	**1.13**	NT	NT	**0.00291 J**
	L1165628-42	11/14/2019	4.5 - 5 ft	**56.4**	0.296 J	NT	NT	<0.00163

NT – Not Tested

NL – No Limit

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Area C

Area C is located in the center of the Property and has been utilized for both unpaved as well as paved vehicle parking/storage. Laboratory analyses of soil samples (collected at depths ranging from the ground surface to 15 fbg) reported the following maximum concentrations of petroleum hydrocarbons (Gasoline/Diesel/Oil Range [GRO/DRO/ORO]).

				Petroleum Hydrocarbons (NWTPHGx and NWTPHDx)			
Station Name	**Laboratory Identification**	**Sample Date**	**Depth Range**	**Gasoline-range organics (Benzene Present)**	**Gasoline-range organics (Benzene NonDetect)**	**Diesel-range organics**	**Oil-Range Organics**
MTCA Method A Direct Contact				30	100	2000	2000
Simplified Terrestrial Eco Evaluation Unrestricted				200	200	460	NL
Soil Protective of Groundwater Vadose at 13 Deg				NL	NL	NL	NL
Reporting Units				mg/kg			
SB17	L1161400-11 L1166078-01	11/13/2019	0 - 1 ft	<0.907	<0.907	135.0 J	**2300**
	L1165628-10	11/13/2019	1 - 2 ft	NT	NT	10.9 J	136
	L1165628-11	11/13/2019	2 - 3 ft	NT	NT	121	104
	L1165628-12	11/13/2019	3 - 4 ft	NT	NT	146 J	717
	L1161400-12	11/13/2019	6 - 8 ft	2.27 BJ	-	9.11	29.1
	L1161400-13	11/13/2019	14 - 15 ft	<0.957	<0.957	27.8	11.7
SB20	L1168403-29	11/13/2019	0 - 1 ft	NT	NT	908 T8	393 T8
	L1168403-30	11/13/2019	1 - 2 ft	NT	NT	962 T8	238 T8
	L1161924-15 L1165576-05	11/14/2019	2 - 3 ft	**116**	--	687	182
	L1161924-16 L1165576-06	11/14/2019	4 - 6 ft	--	78.4	243	83.8
	L1161924-17	11/14/2019	10 - 11 ft	21.2	--	369	1010

NT – Not Tested

NL – No Limit

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Area D

Area D is located within the central portion of the Property, adjacent to Area C, and has previously served as both unpaved as well as paved vehicle parking/storage. Laboratory analyses of soil samples (collected at depths ranging from 2 fbg to 11 fbg) reported the following maximum concentrations of the VOC analyte 1,1,2,2-tetrachloroethane (1,1,2,2-TCA) and RCRA metals total chromium and lead.

				VOCs (EPA Method 8260)	RCRA Metals (EPA Method 6010)	
Station Name	**Laboratory Identification**	**Sample Date**	**Depth Range**	**1,1,2,2-TCA**	**Lead**	**Total Chromium**
MTCA Method A Direct Contact				NL	250	NL
Simplified Terrestrial Eco Evaluation Unrestricted				NL	220	42
Soil Protective of Groundwater Vadose at 13 Deg				0.0012	3000	NL
Reporting Units				mg/kg		
SB21	L1161924-18 L1165576-07	11/14/2019	2 - 3 ft	**0.0236**	**684**	**182**
	L1161924-19	11/14/2019	6 - 8 ft	<0.000457	**256**	**77.1**
	L1161924-20 L1166082-02	11/14/2019	9 - 11 ft	<0.000527	105	**48.9**

NT – Not Tested

NL – No Limit

Area E

Area E comprises two locations positioned in the north-central portion of the Site and in the central portion of the Property, adjacent to Area C. Area E was previously utilized for unpaved as well as paved vehicle parking/storage. Laboratory analyses of soil samples (collected at depths ranging from ground surface to 3 fbg) reported the following maximum concentrations of petroleum hydrocarbons (GRO/DRO/ORO).

				Petroleum Hydrocarbons (NWTPHGx and NWTPHDx)			
Station Name	**Laboratory Identification**	**Sample Date**	**Depth Range**	**Gasoline-range organics (Benzene Present)**	**Gasoline-range organics (Benzene NonDetect)**	**Diesel-range organics**	**Oil-Range Organics**
MTCA Method A Direct Contact				30	100	2000	2000
Method B Cancer Direct Contact				NL	NL	NL	NL
Simplified Terrestrial Eco Evaluation Unrestricted				200	200	460	NL
Soil Protective of Groundwater (Vadose at 13 Deg.)				NL	NL	NL	NL
Reporting Units				mg/kg			
SB14B	L1168403-05	11/13/2019	0 - 1 ft	NT	NT	547 T8	**2300 T8**
	L1168403-06	11/13/2019	1 - 2 ft	NT	NT	111 JT8	597 T8
SB15A	L1165628-01 L1168120-01	11/14/2019	0 - 1 ft	NT	NT	**2280**	**4820**
	L1168403-24	11/14/2019	1 - 2 ft	NT	NT	438 T8	815 T8
	L1165628-02 L1168120-02	11/14/2019	2 - 3 ft	NT	NT	536	1210

NT – Not Tested

NL – No Limit

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Area F

Area F is located along the northern extent of Area E and comprises of two depth zones, a larger plume of RCRA metal (arsenic) to a depth of 2 fbg to a smaller RCRA metal (arsenic) depth of 8 fbg. Area F was recently utilized for vehicle parking. Laboratory analyses of soil samples (collected at depths ranging from 0 fbg to 12 fbg) reported the following maximum concentrations of petroleum hydrocarbons and RCRA metal (arsenic).

				Petroleum Hydrocarbons (NWTPHGx and NWTPHDx)				Metals (EPA 6010)
Station Name	**Laboratory Identification**	**Sample Date**	**Depth Range**	**Gasoline range organics (Benzene Present)**	**Gasoline range organics (Benzene NonDetect)**	**Diesel range organics**	**Oil Range Organics**	**Arsenic**
MTCA Method A Direct Contact				30	100	2000	2000	20
Simplified Terrestrial Eco Evaluation Unrestricted				200	200	460	NL	NL
Soil Protective of Groundwater (Vadose at 13 Deg.)				NL	NL	NL	NL	2.92
Reporting Units				mg/kg				
SB15	L1161924-01 L1165576-01	11/14/2019	0 - 1 ft	<0.893	--	971	**2300**	**43.1**
	L1161924-02	11/14/2019	1 - 2 ft	<0.954	<0.954	10.1	70.7	3.26
	L1169568-01	11/14/2019	3 - 4 ft	NT	NT	NT	NT	3.52
	L1169568-02	11/14/2019	6 - 8 ft	NT	NT	NT	NT	5.18
	L1161924-03 L1165576-03	11/14/2019	10 - 12 ft	<0.895	<0.895	2.8 J	23.1	1.990 J
SB15B	L1165628-03 L1168120-03	11/14/2019	0 - 1 ft	NT	NT	917	878	**36.4**
	L1168403-25	11/14/2019	1 - 2 ft	NT	NT	371 T8	265 T8	NT
	L1165628-04 L1168120-04	11/14/2019	2 - 3 ft	NT	NT	9.17	20.1	3.96
	L1168120-09	11/14/2019	3 - 4 ft	NT	NT	NT	NT	**22.6**
	L1169561-01	11/14/2019	6 - 8 ft	NT	NT	NT	NT	2.64
	L1169561-02	11/14/2019	14 - 15 ft	NT	NT	NT	NT	1.73 J

NT – Not Tested

NL – No Limit

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Area G

Area G is located along the east-central portion of the Property, adjacent to Area C. Area G was formerly utilized as unpaved as well as paved vehicle parking/storage. Laboratory analyses of soil samples (collected at depths ranging from ground surface to 6 fbg) reported the following maximum concentrations of RCRA metal arsenic.

				RCRA Metals (EPA Method 6010)
Station Name	**Laboratory Identification**	**Sample Date**	**Depth Range**	**Arsenic**
MTCA Method Direct Contact				20
Simplified Terrestrial Eco Evaluation Unrestricted				NL
Soil Protective of Groundwater Vadose at 13 Deg				2.92
Reporting Units				mg/kg
SB24	L1161924-27	11/14/2019	0 - 1 ft	**102**
	L1161924-28	11/14/2019	2 - 3 ft	**7.22**
	L1161924-29	11/14/2019	4 - 6 ft	**5.26**

NT – Not Tested

NL – No Limit

Per current engineering plans, Mr. Doug Archer, Project Manager with Archer Construction (subcontractor to GC [Anderson Construction]), provided to TGE on December 10, 2019 a gross estimated volume for soil requiring removal (i.e., 'cut') from the development zone of the Project, which is as follows:

- 1,047 bcy (or, an estimated 1,466 truck tons with a conversion factor of 1.4) for "cut to fill"; and
- 336 bcy (470 truck tons) for "footing excavation".

While Site soils are referenced as being "cut" or "excavated", all material (referenced above) would be "*reused"* to fill proposed excavation of Existing Contamination areas (Area A through Area G). However, and as referenced above, Site characterization efforts conducted by TGE have determined that petroleum hydrocarbons (specifically, GRO, DRO and ORO); the VOC analyte 1,1,2,2-TCA; RCRA metals cadmium, lead and arsenic; and the organochlorine pesticide dieldrin are present in this soil at concentrations in excess of respective MTCA screening levels (see **Section 3.0** and **Figure 2**). Therefore, and in accordance with requirements of MTCA, these soils/fill material (estimated at 3,500 truck tons of impacted Pathway of construction [POC] soil) are currently slated for excavation and off-Property disposal at a permitted Subtitle D landfill. POC soil is defined (herein) as that soil that is currently in place at the Property that will be moved from its position (and possibly removed from the Site) to facilitate Property redevelopment.

Furthermore, Project development plans provided to TGE depict excavation of a detention pond positioned in the southeast corner of the property, with excavated material anticipated to be re-used/relocated entirely within the Site limits in advance of building construction. Such material will be analytically characterized by TGE prior to excavation and use/placement beneath the Site development; however, such testing has not occurred to date.

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As mentioned in Section 1.0 of this Plan, groundwater was not encountered during environmental investigations of the Site and therefore, was not tested.

3.1 Identification of Impacted Soil

Although not necessarily effective for RCRA metals (e.g., arsenic, cadmium, and lead), the organochlorine pesticide dieldrin, or the VOC analyte 1,1,2,2-TCA, petroleum-hydrocarbon contaminated soil can generally be identified in the field by the presence of a "sheen"/oil-like staining, a petroleum odor, or any combination of these. The appearance of oil-like staining is not always consistent and can vary depending on the nature of the oil or petroleum hydrocarbon present, the soil type involved in the release, and the age (date) of the release. Soil staining associated with old petroleum contamination often presents with a "greenish" hue, but may also be brown or black in appearance.

The olfactory sense is the most sensitive instrument for identifying petroleum contamination in the field. Therefore, a "petroleum" odor may observed during excavation, although no visible sign of oil or staining is apparent. In some instances, decayed organic matter can produce a similar odor. A photo-ionization detector (PID) or organic vapor monitor (OVM) should be used by an environmental professional (i.e., TGE) to take field readings of ambient air in any excavation zone(s); or, used to monitor hydrocarbon in the soil "head-space" within a partially filled jar containing excavated soil. Both such approaches are commonly used to indicate the presence of petroleum impact; however, such instruments are less reliable for old, degraded hydrocarbons where the more volatile ("light") petroleum hydrocarbon fractions have dissipated.

3.2 Potential Receptors During Site Work

Based on analytical data compiled during the environmental assessment process and considering planned Site redevelopment, receptors of concern are believed to include construction workers (who will be engaged in invasive activities such as excavation, grading, trenching, utility installation and/or landscaping), surface water pathways (in the event of rain), and improved surfaces such as contiguous driveways or roads ("tracking out").

3.3 Site Constituents/Hazards (Existing Contamination)

The potential for exposure to Existing Contamination in the form of RCRA metals arsenic, cadmium, and/or lead; the pesticide dieldrin; the VOC solvent 1,1,2,2-TCA; and/or petroleum hydrocarbon constituents in soil (or other unknown environmental impact/Hazardous Substance) exists at the Site and may pose a hazard. Other workplace hazards associated with construction activities (e.g., physical, heat stress, noise, heavy equipment, etc.) will likely be present, yet are not specifically addressed within this Plan.

Skin contact with potentially contaminated soil will be minimized by the use of personal protective clothing (PPE). Inhalation of vapors or particulate during Site redevelopment activities will be minimized by the use of engineering controls, limiting employee smoking to off-Site areas, and coincident air monitoring by an environmental professional. Ingestion of impacted soil will be minimized by the use of appropriate personal hygiene procedures during decontamination (i.e., thoroughly washing face and hands with soap and water after leaving the identified impacted soil area [**Figure 2**] and prior to eating or drinking).

Categories of chemical hazards in Existing Contamination (i.e., contaminated soil) associated with planned Site redevelopment activities include:

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- RCRA metals (arsenic, cadmium, and/or lead);
- VOCs (1,1,2,2-TCA);
- Organochlorine Pesticides (dieldrin);
- Residual petroleum hydrocarbon constituents (GRO/DRO/ORO); and
- Chemicals used to conduct the Site work (e.g., equipment fuel).

Existing Contamination, per the Environmental Reimbursement Agreement, is defined as any waste, pollutant, contaminant, chemical, petroleum product, pesticide, fertilizer, substance, or material that is defined, classified, or designated as hazardous, toxic, radioactive, dangerous, or other comparable term or category under any Environmental Laws, whether currently known or unknown as being present (as of March 29, 2019) in soil (including fill material), soil vapor, and/or groundwater at, on, or under the Property in excess of applicable cleanup levels or remedial action levels.

Additional petroleum hydrocarbons and chemicals that are brought to the Site to conduct redevelopment/construction activities may be hazardous and are subject to regulation under OSHA's Hazard Communication Standard (29 Code of Federal Regulations [CFR] 1910.1200).

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4.0 PRE-CONSTRUCTION SOIL ASSESSMENT

Per a geotechnical engineering report (prepared by GeoEngineers Inc.) in anticipation of Site redevelopment, surface fill of unknown origin is present across much of the Property (to depths of greater than 11.5 fbg). This report included engineering requirements specific to the Site, and relevance to the presence of the referenced fill. The GeoEngineer's report, dated September 29, 2017, states that "*loose fill soils may not be suitable for foundation support. Overexcavation of the fill could be required…*". Additionally, as previously reported historic Site use included a retail fueling station with concurrent use of underground PSTs, automotive repair, and a greenhouse with the potential to have residual impact to Site soil.

Therefore, to facilitate initial phases of construction, further assessment was conducted in November 2019 for soil/fill material (POC soil) that may be disturbed during construction activities. This effort was conducted for purposes of identifying/delineating areas of environmental impact and cost-effective analytical characterization to establish proper soil/material management options with respect to regulated disposal off-Property during planned redevelopment. As previously discussed, Mr. Archer, with Archer Construction, provided estimated volumes for material requiring removal (i.e., 'cut') from the development zone of 1,047 bcy (1,466 truck tons) for "cut to fill" and 336 bcy (470 truck tons) for "footing excavation".

Again, while Site soils are referenced as being "cut" or "excavated", all material (referenced above) is to be "*reused"* on the Property. However, Site characterization efforts to date have determined that petroleum hydrocarbons (specifically, GRO, DRO and ORO); the VOC analyte 1,1,2,2-TCA; RCRA metals cadmium, lead, and arsenic; and the organochlorine pesticide dieldrin (Existing Contamination) are present at concentrations in excess of respective MTCA screening levels (see **Figure 2**). TGE has established that the material will be addressed under dual agency oversight. Therefore, per Lessee's directive and Ecology MTCA requirements, environmentally-impacted soil/fill material (estimated 3,500 truck tons of impacted POC soil) is currently slated for management through the PLIA program; while soil impacted with pesticide (greenhouse area) will be managed via the state's VCP. Remediation via a self-implementation strategy (Independent Remedial Action) will entail excavation and off-Property disposal of affected soil at a permitted Subtitle D landfill (Republic Services Roosevelt Regional Landfill) during planned Site redevelopment.

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5.0 PROJECT RESPONSIBILITIES

As summarized in Section 1.0, although the Site has documented environmental impact to soil, there are no restrictions regarding property use/development. Based on the potential presence of environmentally-impacted soil, the General Contractor selected for redevelopment of the Property should be properly trained, experienced, and qualified (possessing specialized knowledge and skills) to address projects associated with known/potential environmental impact. OSHA's "General Duty" clause (Section 5[a][1]) requires that an employer provide a workplace that is "free from recognized hazards that are causing or likely to cause death or serious harm." The following project staff and associated "key" responsibilities are provided to assist the General Contractor with OSHA workplace compliance (29 CFR 1910).

5.1 PROJECT SUPERINTENDENT

As with most construction-related projects, the Project Superintendent for the General Contractor will direct daily on-Site operations and is charged with the duty of Plan implementation. During redevelopment efforts at the Site, the Project Superintendent, assisted by the Site Safety Officer, has primary responsibility for the following:

- ensuring all workers and subcontractors have been notified/are aware of the presence and location of Site hazards (specifically, environmentally-impacted soil);
- acting as the project "Competent Person" and seeing that appropriate personal protective equipment (PPE) and monitoring equipment (as necessary) are available and properly used by all on-Site employees;
- establishing that Site personnel are aware of the provisions of the Site-specific HASP, are instructed/trained in the work practices necessary to ensure safety, and are familiar with planned procedures for dealing with emergencies;
- establishing that all Site personnel/subcontractors have completed a minimum of 40 hours of health and safety training, as required by 29 CFR 1910.120 (OSHA Hazardous Waste Operations and Emergency Response [HAZWOPER]);
- monitoring the safety performance of all personnel to see that required work practices are employed and correcting any work practices or conditions that may result in injury or exposure to hazardous substances;
- preparing any accident/incident reports for Site activities;
- halting any Site construction operation, if necessary, in the event of an emergency or to correct unsafe work practices; and
- reviewing and approving this Plan and the Site-specific HASP.

5.2 SITE SAFETY OFFICER

The Site Safety Officer's duties may be carried out by the Project Superintendent or another qualified Site Manager. The Site Safety Officer is responsible for the following:

- implementing the Plan and the Site-specific HASP and reporting any deviations from anticipated conditions described in HASP to the Project Superintendent;

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- determining that monitoring equipment is used properly by qualified/trained personnel (with results properly recorded and filed) and that it is calibrated in accordance with the manufacturer's instructions or other standards;

- assuring Site personnel and subcontractors have current training;

- assuming any other duties as directed by the Project Superintendent;

- coordinating with the Project Superintendent to identify personnel on-Site for whom specialized PPE, exposure monitoring, or work restrictions may be required;

- conducting safety meetings for all Site personnel;

- conducting daily Site safety and health inspections prior to the start of each shift (all inspections must be fully documented);

- providing ongoing reviews of protection level needs as work is performed and informing the Project Superintendent of the need to upgrade/downgrade protection levels, as deemed appropriate;

- seeing that decontamination procedures are followed for field equipment used in environmentally impacted areas;

- establishing monitoring of personnel and recording the results of exposure evaluations;

- halting Site operations, if necessary, in the event of an emergency or to correct unsafe work practices;

- maintaining a log of all subcontractors/visitors to the Site; and

- posting OSHA "Safety of the Job" and other required posters at the Site.

5.3 PROJECT PERSONNEL

Project personnel involved in on-Site redevelopment operations are responsible for:

- taking all reasonable precautions to prevent injury to themselves and to their fellow employees;

- performing only those tasks that they believe they can do safely and immediately reporting any accidents and/or unsafe conditions to the Site Safety Officer or Project Superintendent;

- implementing the procedures set forth in the Plan and the Site-specific HASP and reporting any deviations from the procedures described to the Site Safety Officer or Project Superintendent for action;

- notifying the Project Superintendent or Site Safety Officer of any special medical problems (i.e., allergies) and seeing that all on-Site personnel are aware of such problems; and

- reviewing the project HASP.

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5.4 SUBCONTRACTOR'S SAFETY REPRESENTATIVE

Subcontractors are requested to designate an on-Site employee (preferably a manager) who will serve as the Safety Representative for their company. In this capacity, the Safety Representative is responsible for providing health and safety oversight of their personnel participating on the project team. In addition, the Safety Representative will perform routine work area inspections, conduct safety meetings, provide safety orientations for new employees and investigate incidents involving their employees. The Safety Representative will attend periodic safety meetings with the Project Superintendent or Site Safety Officer.

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6.0 SOIL MANAGEMENT PLAN PROCEDURES

Planned redevelopment of the Site will likely entail soil grading, detention pond excavation, drilling and excavation for building foundations, and/or trenching of utility corridors. If, during soil disturbance activity of any kind (and in any area), environmentally or petroleum hydrocarbon impacted soil (or other suspect material) is encountered, the General Contractor will immediately notify the Site Owner and implement soil management procedures detailed herein.

The General Contractor will periodically inspect disturbed soils during excavation/grading activities for obvious environmental impact, odors, staining, or abandoned tank system components. These inspections will be conducted using visual, olfactory, and/or a PID meter and documented on Daily Field Logs (attached). If impacted soil or an abandoned tank system or ancillary equipment is encountered during Site preparation/redevelopment, the soil and/or feature is to be managed in accordance with this Plan.

In anticipation of impacted soil being encountered at the Property, the General Contractor will engage a third-party resource to execute air monitoring as described herein; provide Owner/agency notifications as required; properly segregate the impacted material from other soil; and coordinate the collection of confirmation/characterization samples to facilitate its appropriate off-Property disposal. Soil characterization samples will be collected by trained personnel in accordance with general industry practice and state/federal requirements in an appropriate frequency and for specific chemicals of concern. Results of sample collection and analyses will be utilized as required documentation for determination of proper disposition off-Property (disposal) at a permitted landfill. If impact is found to be more extensive and present at a greater magnitude than anticipated, more expanded Site characterization will be required.

Equipment used to excavate or otherwise handle environmentally-impacted soil shall not be used to excavate or otherwise handle non-impacted soil until it has been appropriately decontaminated. If physical handling of suspect, environmentally or petroleum hydrocarbon impacted soil is required, gloves shall be worn.

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6.1 Stained and/or Odiferous Soil

Should soil excavation or grading activities encounter stained soil or odors indicative of environmental impact, such material is to be inspected, field tested via real-time “head-space” analysis for the qualitative presence of VOCs, segregated, and stockpiled on-Site (**Section 5.2** – below) with the proposed margins or base of the excavation zone advanced to a greater depth and/or lateral dimension as appropriate until soil exhibiting the evidence of obvious impact has been removed.

6.2 Stockpile Management

Soil from potentially impacted areas is to be segregated from non-impacted material (soil, concrete, and other demolition debris) and stockpiled for subsequent inspection, analytical characterization, quantification and waste profiling. Alternatively, impacted material may be placed in properly lined, roll-off dumpsters (depending on the volume of material generated). A soil stockpile will be established on the Property in a location that does not interfere with redevelopment activities, pending receipt of analytical results and transport off-Site for disposal. When stockpiling suspect or contaminated material, the following steps shall be taken:

- impacted material may be temporarily stockpiled in the excavation zone, but shall be moved to a designated stockpile area as soon as is practical;

- stockpiled material should be placed on 10-mil polyethylene sheeting or similar to prevent contamination of the underlying soil;

- maintain stockpile integrity as provided within the Site Storm Water Pollution Prevention Plan (SWPPP);

- the plastic liner will be wrapped around a row of hay bales or sand bags placed around the perimeter of the stockpile area to form a berm to prevent runoff from leaving the area or storm water from other areas entering the stockpile area;

- the stockpile shall be covered and secured at all times when not being actively worked on/addressed and during precipitation events, prior to the end of each workday or when needed to prevent dust, nuisance odors or emissions and storm water contact;

- the stockpile will not be placed near storm water drains, swales or any other watercourses;

- BMPs will be implemented to prevent potentially contaminated soil becoming windborne, or to leach into the underlying subsurface or storm water; and

- stockpiled soil/material will be profiled for proper disposal management at a permitted off-Property landfill or re-use/relocation on Site (as appropriate). Characterization analyses and number of samples will be based on specific landfill requirements and the estimated volume of material realized.

6.3 Storm Water Control

Storm water pollution can occur when surface runoff contacts environmentally-impacted soil in excavation/grading areas or stockpiles. Therefore, runoff shall be minimized through the use of engineering controls, good housekeeping practices, and proper storm water BMPs to prevent off-Site discharge. Divert flow from exposed environmental contaminated soil or otherwise constrain runoff and the discharge of pollutants.

Per the US Environmental Protection Agency (USEPA) National Pollutant Discharge Elimination System (NPDES) regulations, construction zones in which land disturbance is equal to, or more than, one acre in size require the submittal of a Notice of Intent (NOI) to be covered by a state General Permit for Storm Water Discharges Associated with Construction Activity and the preparation of a SWPPP. An erosion control plan shall be developed by the General Contractor prior to initiation of work at the Property detailing procedures to minimize erosion of soil into local waterways or drainage systems. The SWPPP will include design elements such as silt fencing, hay bales, diversion dikes, storm drain inlet protection, and/or sediment traps to control storm water flow. Covering of soil stockpiles, if any, should be included.

6.4 Dust Control

Planned Site redevelopment has the potential to generate emissions in the form of fugitive dust. Dust control measures shall be implemented at the Site when environmentally-impacted soils are encountered. Potential sources of fugitive dust include:

- Site grading or excavation;

- Heavy Equipment Traffic – the movement of equipment or vehicular traffic on-Site; and

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- Material stockpiles, exposed excavation zones, or disturbed ground surfaces.

High winds and Site redevelopment operations may cause an airborne dust hazard. Should Site activities generate sustained visible dust, a light water mist will be applied to the excavation/grading zone to reduce dust generation. Specific dust control measures include the following.

- Exposed soils shall be lightly sprayed with water, as necessary, to maintain moisture content and minimize dust generation (visible emissions). Increase application as needed to maintain proper moisture content.

- Reduce the pace (speed) of Site activities creating fugitive dust. Notify the Project Superintendent of dust conditions and implement necessary mitigation measures.

- Water shall be lightly sprayed on any stockpiled material when exposed or during loading into transportation vehicles. When not in use, soil stockpiles will remain covered.

- Transportation vehicles shall employ tarpaulins or other effective covers to limit dust generation while traveling on public roadways. Prior to exiting the Property, vehicles will be inspected to ensure the covers are in-place and no loose material is present on the vehicle exterior.

- Any visible accumulations of loose, impacted material on paved public roadways, access routes, or parking/staging areas ("track out") shall be swept daily (using brooms, wet sweeping vacuum or a combination, as needed). Stabilized construction entrances (gravel pads) shall be installed at the primary Property access point to prevent tracking of soil onto public roadways. All haul trucks will access the Property via the established gravel pads.

Should visible dust from redevelopment activities be observed coming from the vicinity of the former automotive repair facility, the specific source/activity of the emissions shall be immediately ceased and a more aggressive application of existing dust mitigation measures will be directed. Thereafter, observations of continued work will be made to ensure mitigation measures are effective and recorded in the Daily Field Log.

6.5 Soil Disposal

Environmentally-impacted soil (Existing Contamination) that is excavated during planned redevelopment activities at the Site will require off-Property disposal and shall be segregated and separately stockpiled. Non-impacted POC soil excavated at the Site may also require off-Property disposal due to various construction-related requirements (e.g., geotechnical consideration, available space, no subsequent re-use) and should be managed separately.

Prior to disposal, the suspect impacted soil shall be analytically tested for the presence of petroleum hydrocarbon/hazardous constituents according to specific waste profiling requirements of the facility to which the soil will be transported for management. A State-approved manifest system shall be used so that all such material can be tracked from generation to ultimate disposal, and the manifests shall comply with all transportation (WADOT) transportation and disposal (USEPA/Ecology) regulations for waste tracking (as hazardous or non-hazardous wastes).

Appropriate vehicles and operating practices shall be used to prevent spillage or leakage of materials from occurring on-Site or during transport. Trucks/trailers/bins shall be properly permitted, placarded, lined and securely covered prior to departure from the Property. All transportation vehicles leaving the Site shall be thoroughly inspected to ensure that no soil is adhered to the tires or undercarriage. Any such material

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shall be removed at the work area or decontamination pad before the truck is allowed to leave the Site. Adjacent roadways are to be routinely inspected to ensure that no accumulations of tracked or spilled soil are present. If impacted material is observed in a roadway, it shall be immediately cleaned and procedures modified as necessary to prevent/limit recurrence.

6.6 Monitoring

In accordance with 29 CFR 1910.120(h), the Site Safety Officer or an industrial hygienist will perform quantitative ambient air and/or monitoring of personnel at the greatest risk of exposure (i.e., those working in the potential hydrocarbon impacted soil zone) on a routine basis to evaluate the potential for exposure to airborne contaminants. The Site Safety Officer or industrial hygienist will determine where or who to sample based on Site conditions at the time of sampling.

When working in the vicinity of the former automotive repair facility (or an area of suspect environmental impact), real-time monitoring should be conducted periodically for total VOCs. A PID or equivalent (OVM) will be used to screen disturbed/excavated soils for VOC contaminants and measure/record employee breathing zone levels of organic vapors and gases. As necessary, a monitoring program should be set/established by the General Contractor as indicated by field conditions encountered and/or monitoring results. Measurements should be collected at the excavation zone/apparent source area and in the breathing zone of Site personnel.

Monitoring instruments employed shall only be operated by General Contractor personnel who have been trained in their proper operation, limitations, and calibration needs; and have demonstrated skills necessary to properly operate the equipment. Readings shall be properly recorded and logged as to the date, time, operator, conditions, location and reading. All monitoring data, including background readings and the results of daily instrument calibrations, will be recorded in the daily field log. All monitoring instruments will be calibrated in accordance with the manufacturers' instructions prior to the start of each shift. Calibration will also be performed when inconsistent or erratic readings are obtained.

All "direct-read" instrument readings will be evaluated relative to background readings, not "meter zero." Prior to the start of work at each work shift, and whenever there is a significant shift in ambient wind direction, instrument readings will be obtained upwind of the potential impacted soil work zone to determine the level of "background" readings from such things as local vehicle traffic or emissions from nearby operations unrelated to the Site. Site readings will be evaluated against these background readings (i.e., if an "action level" is listed as 20 parts per million [ppm], it is evaluated as 20 ppm above the background reading). The Site Safety Officer will consult with the industrial hygienist regarding the potential health hazards associated with background readings above 5 ppm.

6.7 Site Control

For safety purposes, barricade tape and/or temporary construction fencing will be used to delineate the work zone during redevelopment operations in the vicinity of the former on-Site automotive repair facility and documented affected soil. A short piece of barricade tape can be affixed to a secure upright (e.g., a vehicle antenna) to serve as a wind direction telltale. An opening in the barricade tape and/or fencing should be established at the support zone (upwind of the work zone) to serve as a personnel and equipment entry and exit point. A decontamination station for equipment and personnel may be established at this point, if decontamination procedures are required. All entry and exit from the work zone should be made at this opening to control potential sources of contamination and leave contaminated soil and debris in the work area. At the end of each workday, all stockpiles of impacted soil or hydrocarbon impacted soil excavation zones must be covered or otherwise secured to limit access.

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6.8 Documentation

Field personnel are required to keep daily field logs (see **Attachment 1 - Field Report Form**). Field notes will be as descriptive and as inclusive as possible. Language used is to be factual, objective, and free of inappropriate terminology. A summary of each day's events will be completed to include, at a minimum, the date, project number, project location, weather conditions, personnel/contractors present, field equipment in use, any indication of impacted soil, drawings, photographs, real-time monitoring data, and any associated soil sample collection.

Should additional impacted soil/material (Existing Contamination) be encountered and disposed off-Property, a **Waste Inventory Form** (**Attachment 2**) is provided for use to document and track any wastes generated during the redevelopment process. The form will include information on the waste, origin, type, date generated, date removed, transporter, and disposal facility.

Field documentation shall be maintained throughout at the project and shall be available for use in project close-out record-keeping to be submitted to Lessee for submittal to Lessor, or provided for reference to agency personnel.

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7.0 CONTINGENCY ACTION PLAN

This section outlines steps to be taken should suspect contaminated soil or hazardous materials be discovered during earthwork in areas other than as anticipated (see **Figure 2**). Procedures outlined below are to provide the General Contractor with preliminary directions to address/identify the presence of potential contamination and take appropriate action to avoid adverse worker health effects or contaminant dispersion into the surrounding environment.

Indicators of environmental contamination or Hazardous Substances may include, but are not limited to the following:

- intact or ruptured drums or containers;
- unusual odors;
- obviously discolored/stained soil;
- petroleum hydrocarbon contaminated soil and/or free product;
- liquid waste, putrescent waste, household refuse and/or any material that would normally be sent to a permitted landfill for disposal (e.g., tires, batteries, etc.);
- bubbling pool of standing liquid;
- broken transite (asbestos-containing cement) sheets or piping; and
- stressed vegetation.

During Site excavation or grading, the General Contractor shall actively monitor the work area for conditions/materials specified above, as well as any other unusual findings. In the event any are identified or reported, the following actions shall be taken:

- ensure worker health and safety, evacuate all Site personnel from the affected area, and limit the potential for dispersion of contamination;
- cease work in the area or advise work to proceed in an area clear of the suspect contamination indicators until material inspection/testing (as necessary) by appropriately trained/licensed personnel has defined the suspect material's characteristics/hazards;
- document the suspect material, and as appropriate, record observations on a Daily Log Form, photograph, estimate size/quantity/volume, etc.;
- notify appropriate personnel or regulatory agency (if required) of the discovery of environmental contamination (emergency contact information is provided below and an Emergency Response Checklist is provided as **Attachment 4**);
- as needed, coordinate a third party environmental contractor for the physical and chemical characterization of the potentially contaminated material via sample collection for analytical waste profiling;

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- determine the appropriate management of suspect materials based on inspection/analytical characterization;

- per findings from above-referenced characterization efforts, a specialty contractor shall remove the material and place it into a proper stockpile or lined/covered bin for subsequent disposal management to an approved off-Property facility as appropriate for its class/characteristics;

- manage material as appropriate and coordinate any required confirmation sampling/testing as may be required; and

- record all details on the Daily Field Log (including GPS coordinates of suspect material).

In the event of a Site emergency requiring evacuation, all Site personnel will evacuate to a pre-designated area a safe distance from any health or safety hazard. Once personnel are assembled, a head count will be made. During any evacuation, all employees will be instructed to observe wind direction indicators. During evacuation, employees will be instructed to travel upwind or crosswind of the area of influence.

In certain hazardous situations, the Project Superintendent or Site Safety Officer may direct that redevelopment activities be temporarily suspended while a hazard/potential hazard is corrected or controlled. During operation shutdowns, all personnel will be required to stand upwind to prevent exposure to fugitive emissions, if any.

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Emergency Numbers:

King County Fire and Rescue Department (telephone):

Emergency - 911

King County Fire Department (non-emergency)	206-242-2040
King County Department of Emergency Management:	206-296-0100

WA Emergency Management Division Hotline: 800-258-5990 (24-hour Spill Reporting)

National Response Center: 800-424-8802 (24-hour Spill Reporting)

8.0 GENERAL SITE SAFETY PRACTICES

A Site-specific HASP is required for activities that are conducted at hazardous waste facilities. Though not specifically designated as a hazardous waste operations area, and potential exposure to known chemicals present at the Site (as reported in foregoing subsurface assessment reports) do not likely pose a material threat to construction workers, a HASP should be prepared for standard health and safety precautions and should comply with the requirements of the "General Duty Clause" provided in Section 5(a)(1) of the Occupational Safety and Health Act of 1970 (29 USC Section 65 et. seq.). The General Duty Clause requires that each employer furnish to its employees a workplace that is free from recognized hazards that are causing or likely to cause death or serious physical harm.

This section does not relieve the Contractor of its responsibility to prepare and implement a project specific HASP. All contractors on the Property shall independently evaluate health and safety requirements for their employees and develop a Site-specific HASP for their use. A copy of the HASP shall be maintained on-Site (with this Plan) at all times during earthwork. Daily safety meetings will be held to reinforce the need for all Site personnel to be cognizant and responsive to conditions or activities that pose a risk to human health and the environment.

Per 29 CFR 1910.1200 (Hazard Communication), the General Contractor must institute a comprehensive, written hazard communications program to ensure that chemical hazards are evaluated and any information concerning their hazards and any appropriate protective measures shall be provided to employers and employees.

The General Contractor shall be solely responsible for compliance with environmental and hazardous materials regulatory requirements; and for conducting all redevelopment/construction activities on the Property under a Site-specific HASP. **No action, directive, or advice undertaken shall relieve the General Contractor of these responsibilities.** The following General Site Safety Practices should be conveyed to all Site personnel and strictly enforced, along with the Contractor specific HASP.

- Eating, drinking, chewing gum or tobacco, and/or smoking are prohibited in contaminated or potentially contaminated areas or where the possibility for the transfer of contamination exists.

- Alcohol consumption is prohibited on-Site. Use of prescription medications that impair judgement or affect motor skills are prohibited, as are all illegal drugs. Behavior that could endanger the health or safety of any individual shall not be tolerated.

- Personnel will wash their hands and faces thoroughly with soap and water prior to eating, drinking, or smoking.

- Personnel will avoid contact with potentially contaminated soil/materials and will not walk through puddles, pools, mud, etc. Avoid, whenever possible, kneeling, leaning, or sitting on contaminated surfaces, and do not place equipment on potentially contaminated surfaces.

- All Site personnel shall remain alert to potentially dangerous situations in which they should not become involved (i.e., note the presence of strong, irritating, or nauseating odors, etc.).

- Only equipment and/or those vehicles required to complete work tasks are permitted within the potentially hydrocarbon impacted work zone (excavator, bulldozer, motor grader, support truck, etc.).

- Spills should be prevented, to the extent possible. Should a spill occur, any liquid should be contained, if possible.

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- Splashing of potentially impacted materials should be prevented.

- All PPE will be used as specified and required.

- Personnel are to immediately notify the Project Superintendent or Site Safety Officer if any indications of potential impacted materials or unusual conditions are observed.

- Field personnel are to be familiar with the physical characteristics of Site operations including:
  - wind direction in relation to the potentially impacted area;
  - accessibility to equipment and vehicles;
  - areas of known or potential environmentally-impact or petroleum hydrocarbon impact;
  - Site access; and
  - nearest water sources.

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9.0 CERTIFICATION

This Soil Management Plan was prepared by TGE under the responsible charge of the undersigned. The information presented in this plan is believed to be accurate and consistent with the level of care and skill ordinarily exercised and is in general compliance with accepted practices and applicable USEPA/OSHA/State of Washington regulations.

_____

Timothy E. Crump, P.G., CPG
Project Manager
WA P.G. #3210

_____

Robin D. Franks, CHMM, TX P.G.
President

_____

Date

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FIGURES

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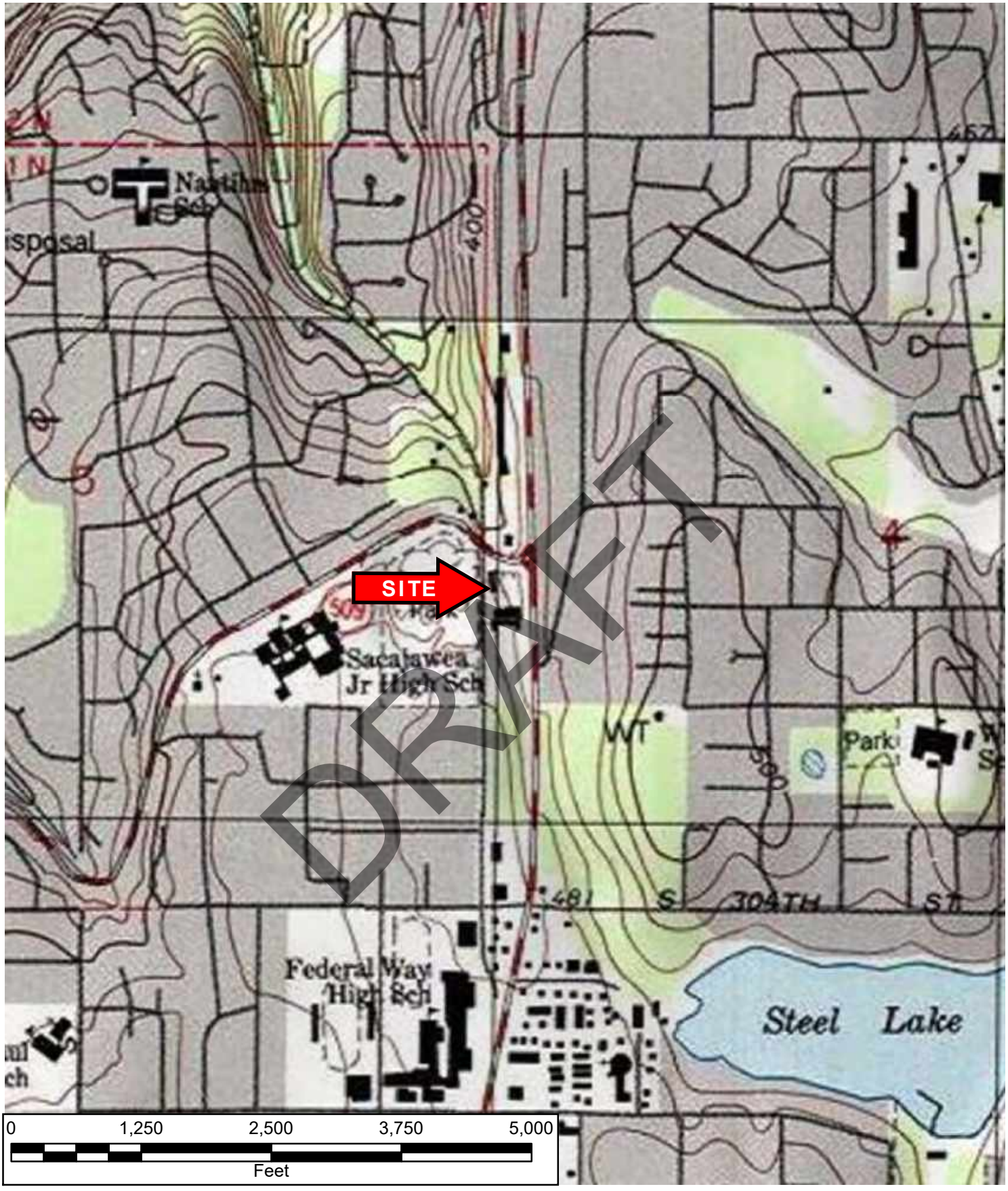

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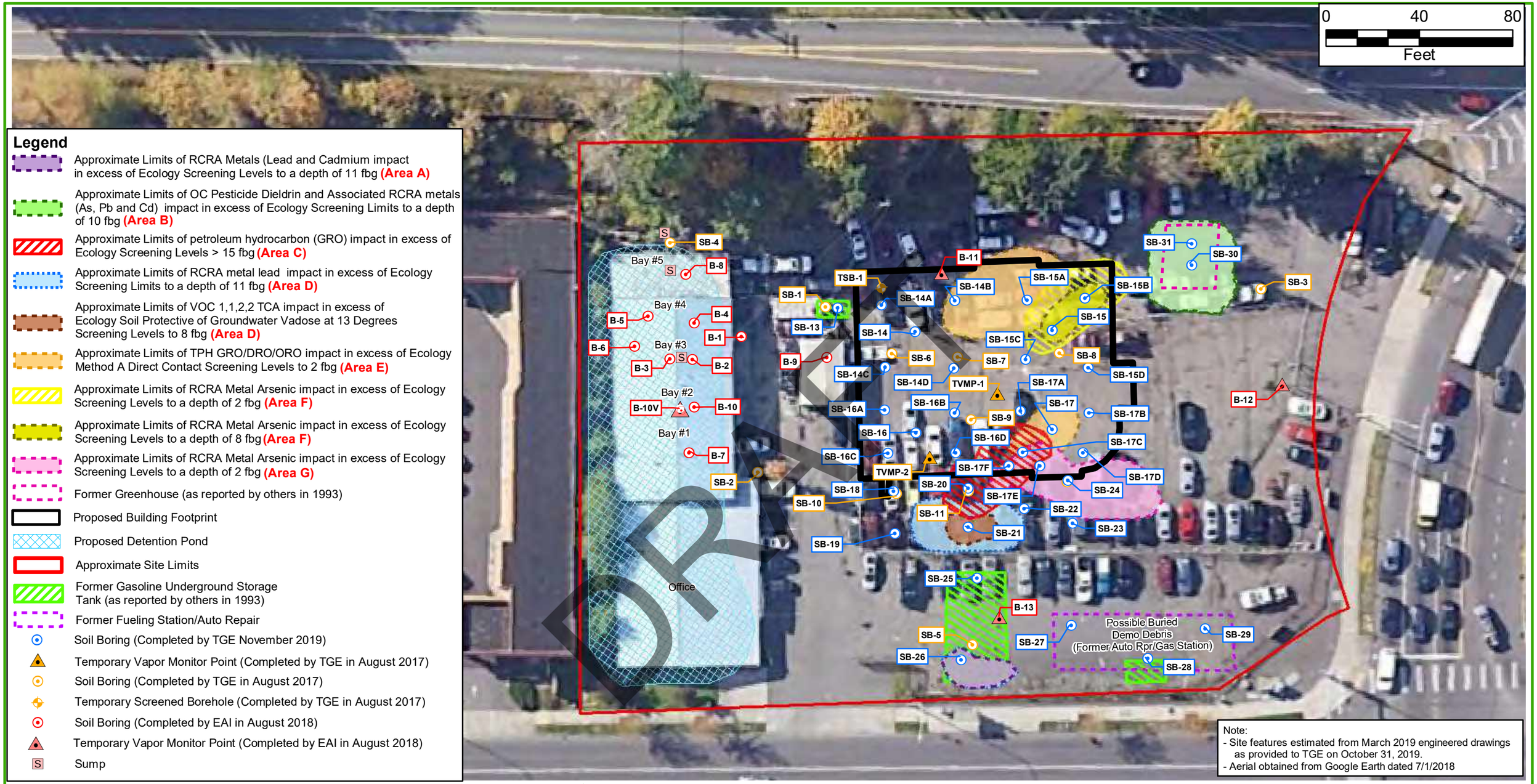
Figure 1
Site Location Map
TGE Project No.: R13411.07

TGE RESOURCES, INC.
8048 Northcourt Road
Houston, Texas 77040

Topographic Map
USGS 7.5 Minute Series Topographic Map
Poverty Bay, Washington Quadrangle
1994



Future Federal Way Hospital
29805 Pacific Highway South
Federal Way, King County, Washington
TGE Project No.: R13411.07

TGE RESOURCES, INC.
8048 Northcourt Road
Houston, Texas 77040

Figure 2
Impacted Soil Map

ATTACHMENT 1

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Field Activity Daily Log

Project Number:				Equipment Operating On-Site:
Project Location:				
Date:				
Personnel:		Arrival Time		
		Departing Time		
Contractors Present:				
Climatic Conditions:				

Time	Observation

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Note: Attach an activity related site drawing or include on back of this page.

Provide an activity related site drawing in the space provided below. If you prefer, you may attach a site map detailing current site conditions.

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Map Scale: 1" = approximately _____ Feet

ATTACHMENT 2

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Waste Inventory Form

Date:

Site Name/Location: _____ Project Number: _____ Personnel: _____

# of Loads	Contents	% Full	Date(s) Accumulated	Labled (Y/N)	Sampled (Y/N)	Comments

ATTACHMENT 3

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Safety Data Sheet

In accordance with CFR 1910.1200 (OSHA HCS)

SDS No. 143 Date of review: July 7, 2017

1 Identification of substance and company

Product name: ***Arsenic metal***

Product code: 11173, 14178, 18516, 18828

Relevant use and restrictions on use: Research and product development

Manufacturer/Supplier: Noah Technologies Corporation
1 Noah Park
San Antonio, Texas 78249-3419
Phone: 210-691-2000
Fax: 210-691-2600
Web site: www.noahtech.com

Emergency information: CHEMTREC
800-424-9300

2 Hazards identification

Emergency Overview:

Signal word(s): Danger

Pictogram(s): Skull and crossbones
Health hazard
Environment

Hazard statements: H302 Harmful if swallowed
H331 Toxic if inhaled
H410 Very toxic to aquatic life with long lasting effects

Precautionary statements: P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray
P264 Wash skin thoroughly after handling
P270 Do not eat, drink or smoke when using this product
P271 Use only outdoors or in a well-ventilated area
P273 Avoid release to the environment
P280 Wear protective gloves/protective clothing/eye protection/face protection
P301+312+330 IF SWALLOWED: Call a PISON CENTER/doctor if you feel unwell. Rinse mouth.
P304+340+311 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor.
P391 Collect spillage
P403+233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up
P501 Dispose of contents/ container to an approved waste disposal plant

Hazards not otherwise classified: None

GHS Classification: Acute toxicity, Oral - 4
Acute toxicity, Inhalation - 3
Acute aquatic toxicity - 1
Chronic aquatic toxicity - 1

HMIS ratings (scale 0-4):

Health hazard:	2*
Flammability:	0
Physical hazard:	0

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3 Composition/Information on ingredients

Chemical name: Arsenic metal

Designation:

CAS number: 7440-38-2

EC number: 231-148-6

Formula: As

Synonyms: None known

4 First aid measures

After inhalation: Move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

After skin contact: Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

After eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician

After ingestion:	Rinse out mouth with water. Never give anything by mouth to an unconscious person. Consult a physician.
Information for doctor:	Show this safety data sheet to the doctor in attendance
Symptoms/effects; acute and delayed:	Ingestion may result in nausea, cold sweats, vomiting, diarrhea, bloody stools, collapse, and shock. chronic poisoning may manifest itself in a loss of appetite, cramps, jaundice, skin abnormalities. Gastrointestinal, nervous system, liver and kidney problems. After exposure have a urine test. Poison by subcutaneous, intramuscular and intraperitoneal routes. An experimental teratogen and tumorigen with mutagenic data. Human systemic skin and gastrointestinal effects by ingestion.
Immediate medical attention and special treatment needed:	Absorption into the body leads to the formation of methemoglobin which in sufficient concentration causes cyanosis. Onset may be delayed 2 to 4 hours or longer.

5 Fire-fighting measures

Suitable and unsuitable extinguishing agents:	Water spray, alcohol-resistant foam, dry chemical or carbon dioxide
Special hazards caused by the material, its products of combustion or resulting gases:	Arsenic fumes, oxides of arsenic
Special fire fighting procedures:	Wear self-contained breathing apparatus and fully protective fire fighting equipment/clothing
Unusual fire and explosion hazard:	Can be heated to burn in air with bluish flame, giving off an odor of garlic and dense white fumes of As_2O_3

6 Accidental release measures

Person-related safety precautions:	Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.
Measures for environmental protection:	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
Measures for cleaning/collecting:	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for proper disposal.
Additional information:	See Section 7 for information on safe handling See Section 8 for information on personal protective equipment See Section 13 for information on disposal See Section 15 for regulatory information

7 Handling and storage

Information for safe handling:	Avoid contact with skin and eyes. Avoid dust formation. Provide appropriate exhaust ventilation.
Information about protection against explosions and fires:	No data available
Storage requirements to be met by storerooms and containers:	Keep container tightly closed in a dry and well-ventilated place
Incompatibility (avoid contact with):	Strong acids and oxidizers. Halogens, bromine azide, dirubidium acetylide, zinc, nitrogen trichloride, nitrates, sodium peroxide, platinum oxide
Further information about storage conditions:	Heated arsenic in contact with acid or water vapor can produce highly toxic fumes

8 Exposure controls/personal protection

Ventilation requirements:	Local exhaust, chemical fume hood
Components with exposure limits that require monitoring:	OSHA PEL: TWA 0.01 mg(As)/m3 NIOSH REL: CL 0.002 mg/m3; Potential Occupational Carcinogen, 15 minute ceiling value ACGIH TLV: TWA 0.01 mg(As)/m3; Lung cancer, confirmed human carcinogen ACGIH BEI: 35 ug(As)/L in urine; End of the workweek (After four or five consecutive working days with exposure)
Additional information:	No additional data available
General protective and hygienic measures:	The usual precautionary measures for handling chemicals should be adhered to Keep away from foodstuffs, beverages and food Instantly remove any soiled and impregnated garments Wash hands during breaks and at the end of the work Avoid contact with the eyes and skin
Personal protective equipment:	
Respiratory protection: **(Use only NIOSH or CEN approved Equipment)**	Filter-dust, fume, mist; respirator equipped with HEPA
Hand protection:	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique.
Eye protection:	Safety glasses, goggles
Skin protection:	Completely covering work attire with full length apron
Additional protective equipment:	Sufficient to prevent contact. Emergency eyewash and safety shower
Precautionary labeling:	Wash thoroughly after handling Do not get in eyes, on skin or on clothing Do not breathe dust, vapor, mist, gas Keep away from heat, sparks, and open flames Empty container may contain hazardous residues

9 Physical and chemical properties

Physical state:	Powder or pieces
Color:	Silver to gray-black
Odor:	Odorless
Odor threshold:	No data available
Molecular Weight (Calculated):	74.92
pH	No data available

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Melting point/freezing point/range:	818 C at 36 atm
Boiling point/range:	No data available
Sublimation temperature/start:	615 C without melting. Vaporization becomes apparent at 100 C and is already rapid at 450 C.
Decomposition temperature:	No data available
Flammability (solid, gas):	Can be heated to burn in air with bluish flame, giving off an odor of garlic and dense white fumes of As_2O_3
Flash point:	No data available
Autoignition temperature:	No data available
Danger of explosion:	No data available
Flammable limits:	
Lower:	No data available
Upper:	No data available
Evaporation Rate:	No data available
Vapor pressure (mm Hg):	1 mmHg @ 372 C
Vapor density:	No data available
Specific gravity:	5.727
Bulk density:	No data available
Solubility in/Miscibility with water:	Insoluble
Partition coefficient n-octanol/water:	No data available
Viscosity:	No data available
Other information:	No additional data available

10 Stability and reactivity

Reactivity:	No data available
Chemical stability:	Stable under recommended storage conditions
Possibility of hazardous reactions:	Heated arsenic in contact with acid or water vapor can produce highly toxic fumes
Conditions to be avoided:	Heat, open flames, contact with incompatibles, moisture
Materials to be avoided:	Strong acids and oxidizers. Halogens, bromine azide, dirubidium acetylide, zinc, nitrogen trichloride, nitrates, sodium peroxide, platinum oxide
Dangerous reactions:	Violent reaction with zinc, platinum oxide, nitrogen trichloride, bromine azide
Hazardous decomposition products: (thermal and other)	Arsenic fumes, oxides of arsenic

11 Toxicological information

LD/LC50 values that are relevant for classification:	oral-rat LD_{50}: 763 mg/kg oral-mouse LD_{50}: 145 mg/kg
Irritation or corrosion of skin:	No data available
Irritation or corrosion of eyes:	No data available
Primary irritant or corrosive effect:	
on the skin:	No data available
on the eye:	No data available
Sensitization:	No data available
Potential health effects:	
Inhalation:	No data available
Ingestion:	Stomach irregularities based on human evidence
Skin:	No data available
Eyes:	No data available
Signs and symptoms of exposure:	Ingestion may result in nausea, cold sweats, vomiting, diarrhea, bloody stools, collapse, and shock. chronic poisoning may manifest itself in a loss of appetite, cramps, jaundice, skin abnormalities. Gastrointestinal, nervous system, liver and kidney problems. After exposure have a urine test. Poison by subcutaneous, intramuscular and intraperitoneal routes. An experimental teratogen and tumorigen with mutagenic data. Human systemic skin and gastrointestinal effects by ingestion. To the best of our knowledge the acute and chronic toxicity of this substance is not fully known
Carcinogenicity:	EPA-A: Human carcinogen: sufficient evidence from epidemiologic studies IARC-1: Carcinogenic to humans: sufficient evidence of carcinogenicity NTP-1: Known to be carcinogenic: sufficient evidence from human studies OSHA specifically regulated carcinogen ACGIH-A1: Confirmed human carcinogen: Agent is carcinogenic to humans based on epidemiologic studies
Additional information:	RTECS contains tumorigenic and/or carcinogenic and/or neoplastic data for components in this product

12 Ecotoxicological information

Toxicity:	
Toxicity to fish:	Fathead minnow LC_{50}: 9.9 mg/L:96H
Toxicity to daphnia and other aquatic invertebrates:	Daphnia magna EC_{50}: 3.8 mg/L:48H
Toxicity to algae:	No data available
Persistence and degradability:	
Biodegradability:	No data available
Bioaccumulative potential:	
Bioaccumulation:	No data available
Mobility in soil:	No data available
Other adverse effects:	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal Very toxic to aquatic life with long lasting effects

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13 Disposal considerations

Recommendation: Consult state, local or national regulation for proper disposal
Allow professional disposal company to handle waste
Must be specially treated under adherence to official regulations

Unclean packagings recommendation: Disposal must be made according to official regulations

14 Transport information

Land transport DOT

Proper shipping name: Arsenic
DOT Hazard Class: 6.1
UN Identification number: UN1558
Label(s): Toxic & Marine Pollutant
Packing group: II
Reportable quantity (RQ): 0.454 kg
North American Emergency Response Guidebook No.: 152

Air transport ICAO-TI and IATA-DGR:

Proper shipping name: Arsenic
DOT Hazard Class: 6.1
UN Identification number: UN1558
Label(s): Toxic & Marine Pollutant
Packing group: II
Reportable quantity (RQ): 0.454 kg
North American Emergency Response Guidebook No.: 152

UPS Ground / FedEx Ground

Proper shipping name: Arsenic
DOT Hazard Class: 6.1
UN Identification number: UN1558
Label(s): DOT-SP-8249 & Marine Pollutant
Packing group: II
Reportable quantity (RQ): 0.454 kg
North American Emergency Response Guidebook No.: 152

UPS Air

Proper shipping name: Arsenic
DOT Hazard Class: 6.1
UN Identification number: UN1558
Label(s): DOT-SP-8249 & Marine Pollutant
Packing group: II
Reportable quantity (RQ): 0.454 kg
North American Emergency Response Guidebook No.: 152

15 Regulatory information

SARA Section 302 Extremely Hazardous components and corresponding TPQs: Not subject
SARA Section 311 / 312 hazards: Acute Health Hazard, Chronic Health Hazard

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SARA Section 313 components:	This product contains chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right-to-know Act of 1986 and 40CFR372
California Proposition 65 components:	WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm
TSCA:	Product is listed on TSCA Inventory

16 Other information

The above information is accurate to the best of our knowledge. However, since data, safety standards and government regulation are subject to change and the conditions of handling and use, or misuse are beyond our control. NOAH MAKES NO WARRANTY, EITHER EXPRESSED OR IMPLIED, WITH RESPECT TO THE COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN AND DISCLAIMS ALL LIABILITY FOR RELIANCE THEREON. User should satisfy himself that he has all current data relevant to his particular use.

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SAFETY DATA SHEET

1. Identification

Product identifier **Dieldrin**

Other means of identification

Item N-11688

CAS number 60-57-1

Synonyms (1a.alpha.,2.beta.,2a.alpha.,3.beta.,6.beta.,6a.alpha .,7.beta.,7a.alpha.)-3,4,5,6,9,9-Hexachloro-1a,2,2a,3 ,6,6a,7,7a-octahydro-2,7 : 3,6-dimethanonaphth[2,3-b]oxirene

Recommended use For Laboratory Use Only

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name Chem Service, Inc.

Address 660 Tower Lane
West Chester, PA 19380
United States

Telephone Toll Free 800-452-9994
Direct 610-692-3026

Website www.chemservice.com

E-mail info@chemservice.com

Emergency phone number Chemtrec US 800-424-9300
Chemtrec outside US +1 703-527-3887

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards

Acute toxicity, oral	Category 2
Acute toxicity, dermal	Category 1
Acute toxicity, inhalation	Category 1
Skin corrosion/irritation	Category 1B
Serious eye damage/eye irritation	Category 1
Carcinogenicity	Category 1B
Reproductive toxicity	Category 1
Specific target organ toxicity, repeated exposure	Category 1

Environmental hazards

Hazardous to the aquatic environment, acute hazard	Category 1
Hazardous to the aquatic environment, long-term hazard	Category 1

OSHA defined hazards Not classified.

Label elements

Signal word Danger

Hazard statement Fatal if swallowed. Fatal in contact with skin. Causes severe skin burns and eye damage. Causes serious eye damage. Fatal if inhaled. May cause cancer. May damage fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

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Precautionary statement

Prevention	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. Wear respiratory protection.
Response	If swallowed: Immediately call a poison center/doctor. If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. Take off immediately all contaminated clothing and wash it before reuse. Collect spillage.
Storage	Store in a well-ventilated place. Keep container tightly closed. Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	None.

3. Composition/information on ingredients

Substances

Chemical name	Common name and synonyms	CAS number	%
Dieldrin	(1a.alpha.,2.beta.,2a.alpha.,3.beta.,6.beta.,6a.alpha.,7.beta.,7a.alpha.)-3,4,5,6,9,9-Hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-2,7 : 3,6-dimethanonaphth[2,3-b]oxirene	60-57-1	100

4. First-aid measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a physician or poison control center immediately.
Skin contact	Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a physician or poison control center immediately. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse.
Eye contact	Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.
Ingestion	Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.
Most important symptoms/effects, acute and delayed	Convulsions. Headache. Dizziness. Nausea, vomiting. Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Prolonged exposure may cause chronic effects.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.
General information	Take off immediately all contaminated clothing. IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Discard any shoes or clothing items that cannot be decontaminated.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.

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Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Use water spray to cool unopened containers.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe dust. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk .

Large Spills: Wet down with water and dike for later disposal. Absorb in vermiculite, dry sand or earth and place into containers. Shovel the material into waste container. Following product recovery, flush area with water.

Small Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS.

Environmental precautions

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Minimize dust generation and accumulation. Do not breathe dust. Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Avoid prolonged exposure. When using, do not eat, drink or smoke. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Wash contaminated clothing before reuse. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store locked up. Store in original tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Material	Type	Value
Dieldrin (CAS 60-57-1)	PEL	0.25 mg/m3

US. ACGIH Threshold Limit Values

Material	Type	Value	Form
Dieldrin (CAS 60-57-1)	TWA	0.1 mg/m3	Inhalable fraction and vapor.

US. NIOSH: Pocket Guide to Chemical Hazards

Material	Type	Value
Dieldrin (CAS 60-57-1)	TWA	0.25 mg/m3

Biological limit values

No biological exposure limits noted for the ingredient(s).

Exposure guidelines

US - California OELs: Skin designation

Dieldrin (CAS 60-57-1) Can be absorbed through the skin.

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US - Minnesota Haz Subs: Skin designation applies

Dieldrin (CAS 60-57-1)	Skin designation applies.

US - Tennessee OELs: Skin designation

Dieldrin (CAS 60-57-1)	Can be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation

Dieldrin (CAS 60-57-1)	Can be absorbed through the skin.

US NIOSH Pocket Guide to Chemical Hazards: Skin designation

Dieldrin (CAS 60-57-1)	Can be absorbed through the skin.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Dieldrin (CAS 60-57-1)	Can be absorbed through the skin.

Appropriate engineering controls Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles) and a face shield.

Skin protection

Hand protection Wear appropriate chemical resistant gloves.

Other Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Respiratory protection Wear positive pressure self-contained breathing apparatus (SCBA).

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations Observe any medical surveillance requirements. Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Physical state Solid.

Form Crystalline.

Color Colorless to light tan

Odor Not available.

Odor threshold Not available.

pH Not available.

Melting point/freezing point 347.9 °F (175.5 °C)

Initial boiling point and boiling range Not available.

Flash point Not available.

Evaporation rate Not available.

Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower (%) Not available.

Flammability limit - upper (%) Not available.

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure 0.000001 kPa (77 °F (25 °C))

Vapor density 13.2

Relative density Not available.

Solubility(ies)

Solubility (water) 0.2 mg/l

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Partition coefficient (n-octanol/water)	5.4
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.

Other information

Density	1.75 g/cm3
Explosive properties	Not explosive.
Molecular formula	C12-H8-Cl6-O
Molecular weight	380.91 g/mol
Oxidizing properties	Not oxidizing.
Specific gravity	1.75

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Strong acids. Strong oxidizing agents. Phenols.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Fatal if inhaled.
Skin contact	Fatal in contact with skin. Causes severe skin burns.
Eye contact	Causes serious eye damage.
Ingestion	Fatal if swallowed. Causes digestive tract burns.

Symptoms related to the physical, chemical and toxicological characteristics	Convulsions. Headache. Dizziness. Nausea, vomiting. Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

Information on toxicological effects

Acute toxicity	Fatal if inhaled. Fatal in contact with skin. Fatal if swallowed.
Skin corrosion/irritation	Causes severe skin burns and eye damage.
Serious eye damage/eye irritation	Causes serious eye damage.

Respiratory or skin sensitization

Respiratory sensitization	Not a respiratory sensitizer.
Skin sensitization	This product is not expected to cause skin sensitization.

Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	May cause cancer.

IARC Monographs. Overall Evaluation of Carcinogenicity

Dieldrin (CAS 60-57-1) 3 Not classifiable as to carcinogenicity to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

Reproductive toxicity	May damage fertility or the unborn child.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Causes damage to organs through prolonged or repeated exposure.

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Aspiration hazard Not an aspiration hazard.

Chronic effects Causes damage to organs through prolonged or repeated exposure. Prolonged inhalation may be harmful.

12. Ecological information

Ecotoxicity Very toxic to aquatic life with long lasting effects.

Product		Species	Test Results
Dieldrin (CAS 60-57-1)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	0.074 - 0.0854 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	0.001 - 0.0013 mg/l, 96 hours

* Estimates for product may be based on additional component data not shown.

Persistence and degradability

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)
5.4

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

US RCRA Hazardous Waste P List: Reference

Dieldrin (CAS 60-57-1) P037

Waste from residues / unused products Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

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14. Transport information

DOT

UN number UN2811
UN proper shipping name Toxic solids, organic, n.o.s. (Dieldrin RQ = 1 LBS)
Transport hazard class(es)
Class 6.1(PGI, II)
Subsidiary risk -
Label(s) 6.1
Packing group II
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.
Special provisions IB8, IP2, IP4, T3, TP33
Packaging exceptions 153
Packaging non bulk 212
Packaging bulk 242

IATA

UN number UN2811
UN proper shipping name Toxic solid, organic, n.o.s. (Dieldrin)
Transport hazard class(es)
Class 6.1(PGI, II)
Subsidiary risk -

Packing group	II
Environmental hazards	No.
ERG Code	6L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Other information	
Passenger and cargo aircraft	Allowed with restrictions.
Cargo aircraft only	Allowed with restrictions.

IMDG

UN number	UN2811
UN proper shipping name	TOXIC SOLID, ORGANIC, N.O.S. (Dieldrin)
Transport hazard class(es)	
Class	6.1(PGI, II)
Subsidiary risk	-
Packing group	II
Environmental hazards	
Marine pollutant	No.
EmS	F-A, S-A
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

DOT

IATA; IMDG

General information IMDG Regulated Marine Pollutant.

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Dieldrin (CAS 60-57-1) Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

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Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Immediate Hazard - Yes
Delayed Hazard - Yes
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical Yes

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Clean Water Act (CWA) Section 112(r) (40 CFR 68.130)
Hazardous substance
Priority pollutant
Bioaccumulative chemical of concern
Toxic pollutant

Safe Drinking Water Act (SDWA) Not regulated.

US state regulations WARNING: This product contains a chemical known to the State of California to cause cancer.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

Dieldrin (CAS 60-57-1) Listed: July 1, 1988

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date 09-27-2014

Revision date 08-30-2019

Version # 02

NFPA ratings
Health: 4
Flammability: 0
Instability: 0

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Disclaimer

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Revision information

This document has undergone significant changes and should be reviewed in its entirety.

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SAFETY DATA SHEET

Creation Date 22-Sep-2009 **Revision Date** 18-Jan-2018 **Revision Number** 4

1. Identification

Product Name **1,1,2,2-Tetrachloroethane**

Cat No. : **AC147940000; AC147940010; AC147940025; AC147940250; AC147941000**

CAS-No 79-34-5
Synonyms Acetosal; Bonoform; Cellon

Recommended Use Laboratory chemicals.
Uses advised against Not for food, drug, pesticide or biocidal product use

Details of the supplier of the safety data sheet

Company
Fisher Scientific
One Reagent Lane
Fair Lawn, NJ 07410
Tel: (201) 796-7100

Acros Organics
One Reagent Lane
Fair Lawn, NJ 07410

Emergency Telephone Number
For information **US** call: 001-800-ACROS-01 / **Europe** call: +32 14 57 52 11
Emergency Number **US:**001-201-796-7100 / **Europe:** +32 14 57 52 99
CHEMTREC Tel. No.**US:**001-800-424-9300 / **Europe:**001-703-527-3887

2. Hazard(s) identification

Classification
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute dermal toxicity	Category 1
Acute Inhalation Toxicity - Vapors	Category 2
Carcinogenicity	Category 2

Label Elements

Signal Word
Danger

Hazard Statements
Fatal in contact with skin
Fatal if inhaled
Suspected of causing cancer

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Precautionary Statements
Prevention
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Do not get in eyes, on skin, or on clothing
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Do not breathe dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Wear respiratory protection
Response
IF exposed or concerned: Get medical attention/advice
Inhalation
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Immediately call a POISON CENTER or doctor/physician
Skin
Immediately call a POISON CENTER or doctor/physician
IF ON SKIN: Gently wash with plenty of soap and water
Remove/Take off immediately all contaminated clothing
Wash contaminated clothing before reuse
Storage
Store locked up
Store in a well-ventilated place. Keep container tightly closed
Disposal
Dispose of contents/container to an approved waste disposal plant
Hazards not otherwise classified (HNOC)
Toxic to aquatic life with long lasting effects
WARNING. Cancer - https://www.p65warnings.ca.gov/.

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3. Composition/Information on Ingredients

Component	CAS-No	Weight %
1,1,2,2-Tetrachloroethane	79-34-5	98.5

4. First-aid measures

General Advice
Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.

Eye Contact
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.

Skin Contact
Immediate medical attention is required. Wash off immediately with plenty of water for at least 15 minutes.

Inhalation
Move to fresh air. If breathing is difficult, give oxygen. Immediate medical attention is required. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

Ingestion Do not induce vomiting. Call a physician or Poison Control Center immediately.

Most important symptoms and effects Breathing difficulties. . Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting

Notes to Physician Treat symptomatically

5. Fire-fighting measures

Suitable Extinguishing Media Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media No information available

Flash Point No information available
Method - No information available

Autoignition Temperature No information available

Explosion Limits
Upper No data available
Lower No data available
Sensitivity to Mechanical Impact No information available
Sensitivity to Static Discharge No information available

Specific Hazards Arising from the Chemical
Non-combustible.

Hazardous Combustion Products
Hydrogen chloride gas Carbon monoxide (CO) Carbon dioxide (CO_2)
Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Thermal decomposition can lead to release of irritating gases and vapors.

NFPA

Health	Flammability	Instability	Physical hazards
4	0	0	N/A

6. Accidental release measures

Personal Precautions Ensure adequate ventilation. Use personal protective equipment. Keep people away from and upwind of spill/leak. Evacuate personnel to safe areas.

Environmental Precautions Do not flush into surface water or sanitary sewer system. See Section 12 for additional ecological information. Avoid release to the environment. Collect spillage.

Methods for Containment and Clean Up Keep in suitable, closed containers for disposal. Soak up with inert absorbent material.

7. Handling and storage

Handling Use only under a chemical fume hood. Wear personal protective equipment. Do not ingest. Do not breathe vapors or spray mist. Do not get in eyes, on skin, or on clothing.

Storage Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat and sources of ignition.

8. Exposure controls / personal protection

Exposure Guidelines

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Component	ACGIH TLV	OSHA PEL	NIOSH IDLH	Mexico OEL (TWA)
1,1,2,2-Tetrachloroethane	TWA: 1 ppm Skin	(Vacated) TWA: 1 ppm (Vacated) TWA: 7 mg/m³ Skin TWA: 5 ppm TWA: 35 mg/m³	IDLH: 100 ppm TWA: 1 ppm TWA: 7 mg/m³	TWA: 5 ppm TWA: 35 mg/m³ STEL: 10 ppm STEL: 70 mg/m³

Legend

ACGIH - American Conference of Governmental Industrial Hygienists
OSHA - Occupational Safety and Health Administration
NIOSH IDLH: The National Institute for Occupational Safety and Health Immediately Dangerous to Life or Health

Engineering Measures Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal Protective Equipment

Eye/face Protection Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin and body protection Long sleeved clothing.

Respiratory Protection Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Physical State	Liquid
Appearance	Colorless
Odor	sweet
Odor Threshold	No information available
pH	No information available
Melting Point/Range	-43 °C / -45.4 °F
Boiling Point/Range	147 °C / 296.6 °F
Flash Point	No information available
Evaporation Rate	No information available
Flammability (solid,gas)	Not applicable
Flammability or explosive limits	
Upper	No data available
Lower	No data available
Vapor Pressure	6.6 mbar @ 20 °C
Vapor Density	5.79
Specific Gravity	1.580
Solubility	moderately soluble
Partition coefficient; n-octanol/water	No data available
Autoignition Temperature	No information available
Decomposition Temperature	No information available
Viscosity	1.7 mPa s at 28 °C
Molecular Formula	C2 H2 Cl4
Molecular Weight	167.85

10. Stability and reactivity

Reactive Hazard None known, based on information available

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Stability Stable under normal conditions.

Conditions to Avoid Incompatible products. Excess heat.

Incompatible Materials Strong oxidizing agents, Strong bases, nitrogen oxides (NOx), Metals, Powdered metals, Aluminium, copper

Hazardous Decomposition Products Hydrogen chloride gas, Carbon monoxide (CO), Carbon dioxide (CO_2)

Hazardous Polymerization Hazardous polymerization does not occur.

Hazardous Reactions None under normal processing.

11. Toxicological information

Acute Toxicity

Product Information

Component Information

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
1,1,2,2-Tetrachloroethane	LD50 = 200 mg/kg (Rat)	LD50 = 3990 mg/kg (Rabbit)	LC50 = 8.6 mg/L (Rat) 4 h

Toxicologically Synergistic Products No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Irritation No information available

Sensitization No information available

Carcinogenicity Possible cancer hazard. May cause cancer based on animal data. The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component	CAS-No	IARC	NTP	ACGIH	OSHA	Mexico
1,1,2,2-Tetrachloroethane	79-34-5	Group 2B	Not listed	A3	X	Not listed

IARC: (International Agency for Research on Cancer)

ACGIH: (American Conference of Governmental Industrial Hygienists)

IARC: (International Agency for Research on Cancer)
Group 1 - Carcinogenic to Humans
Group 2A - Probably Carcinogenic to Humans
Group 2B - Possibly Carcinogenic to Humans
A1 - Known Human Carcinogen
A2 - Suspected Human Carcinogen
A3 - Animal Carcinogen
ACGIH: (American Conference of Governmental Industrial Hygienists)

Mutagenic Effects No information available

Reproductive Effects No information available.

Developmental Effects No information available.

Teratogenicity No information available.

STOT - single exposure None known

STOT - repeated exposure None known

Aspiration hazard No information available

Symptoms / effects,both acute and delayed Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting

Endocrine Disruptor Information No information available

Other Adverse Effects The toxicological properties have not been fully investigated.

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12. Ecological information

Ecotoxicity

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. The product contains following substances which are hazardous for the environment.

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
1,1,2,2-Tetrachloroethane	EC50: 31.4 - 188 mg/L, 72h (Pseudokirchneriella subcapitata) EC50: = 47 mg/L, 96h static (Desmodesmus subspicatus) EC50: 40.7 - 344 mg/L, 96h (Pseudokirchneriella subcapitata)	LC50: 20 - 22 mg/L, 96h static (Lepomis macrochirus) LC50: 19.9 - 20.7 mg/L, 96h flow-through (Pimephales promelas)	EC50 = 1.43 mg/L 24 h EC50 = 5.43 mg/L 5 min	EC50: 16 - 35 mg/L, 48h Static (Daphnia magna) EC50: 16 - 35 mg/L, 48h (Daphnia magna)

Persistence and Degradability No information available Soluble in water Persistence is unlikely based on information available.

Bioaccumulation/ Accumulation No information available.

Mobility . Will likely be mobile in the environment due to its water solubility.

Component	log Pow
1,1,2,2-Tetrachloroethane	2.39

13. Disposal considerations

Waste Disposal Methods Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

Component	RCRA - U Series Wastes	RCRA - P Series Wastes
1,1,2,2-Tetrachloroethane - 79-34-5	U209	-

14. Transport information

DOT

- **UN-No** UN1702
- **Proper Shipping Name** 1,1,2,2-TETRACHLOROETHANE
- **Hazard Class** 6.1
- **Packing Group** II

TDG

- **UN-No** UN1702
- **Proper Shipping Name** 1,1,2,2-TETRACHLOROETHANE
- **Hazard Class** 6.1
- **Packing Group** II

IATA

- **UN-No** UN1702
- **Proper Shipping Name** 1,1,2,2-TETRACHLOROETHANE
- **Hazard Class** 6.1
- **Packing Group** II

IMDG/IMO

- **UN-No** UN1702
- **Proper Shipping Name** 1,1,2,2-TETRACHLOROETHANE
- **Hazard Class** 6.1
- **Subsidiary Hazard Class** P
- **Packing Group** II

15. Regulatory information

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All of the components in the product are on the following Inventory lists: X = listed

International Inventories

Component	TSCA	DSL	NDSL	EINECS	ELINCS	NLP	PICCS	ENCS	AICS	IECSC	KECL
1,1,2,2-Tetrachloroethane	X	X	-	201-197-8	-		X	X	X	X	X

Legend:
X - Listed
E - Indicates a substance that is the subject of a Section 5(e) Consent order under TSCA.
F - Indicates a substance that is the subject of a Section 5(f) Rule under TSCA.
N - Indicates a polymeric substance containing no free-radical initiator in its inventory name but is considered to cover the designated polymer made with any free-radical initiator regardless of the amount used.
P - Indicates a commenced PMN substance
R - Indicates a substance that is the subject of a Section 6 risk management rule under TSCA.
S - Indicates a substance that is identified in a proposed or final Significant New Use Rule
T - Indicates a substance that is the subject of a Section 4 test rule under TSCA.
XU - Indicates a substance exempt from reporting under the Inventory Update Rule, i.e. Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(B).
Y1 - Indicates an exempt polymer that has a number-average molecular weight of 1,000 or greater.
Y2 - Indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule.

U.S. Federal Regulations

TSCA 12(b) Not applicable

SARA 313

Component	CAS-No	Weight %	SARA 313 - Threshold Values %
1,1,2,2-Tetrachloroethane	79-34-5	98.5	1.0

SARA 311/312 Hazard Categories See section 2 for more information

CWA (Clean Water Act)

Component	CWA - Hazardous Substances	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants
1,1,2,2-Tetrachloroethane	-	-	X	X

Clean Air Act

Component	HAPS Data	Class 1 Ozone Depletors	Class 2 Ozone Depletors
1,1,2,2-Tetrachloroethane	X		-

OSHA Occupational Safety and Health Administration
Not applicable

CERCLA This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Component	Hazardous Substances RQs	CERCLA EHS RQs
1,1,2,2-Tetrachloroethane	100 lb 1 lb	-

California Proposition 65 This product contains the following proposition 65 chemicals

Component	CAS-No	California Prop. 65	Prop 65 NSRL	Category
1,1,2,2-Tetrachloroethane	79-34-5	Carcinogen	3 µg/day	Carcinogen

U.S. State Right-to-Know Regulations

Component	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
1,1,2,2-Tetrachloroethane	X	X	X	X	X

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U.S. Department of Transportation

Reportable Quantity (RQ):	N
DOT Marine Pollutant	N
DOT Severe Marine Pollutant	N

U.S. Department of Homeland Security
This product does not contain any DHS chemicals.

Other International Regulations

Mexico - Grade No information available

16. Other information

Prepared By
Regulatory Affairs
Thermo Fisher Scientific
Email: EMSDS.RA@thermofisher.com

Creation Date	22-Sep-2009
Revision Date	18-Jan-2018
Print Date	18-Jan-2018
Revision Summary	This document has been updated to comply with the US OSHA HazCom 2012 Standard replacing the current legislation under 29 CFR 1910.1200 to align with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

Disclaimer
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of SDS

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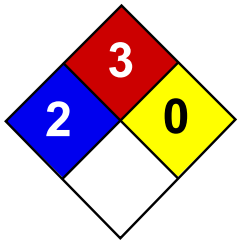

Material Safety Data Sheet
Benzene MSDS

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Section 1: Chemical Product and Company Identification

Product Name: Benzene

Catalog Codes: SLB1564, SLB3055, SLB2881

CAS#: 71-43-2

RTECS: CY1400000

TSCA: TSCA 8(b) inventory: Benzene

CI#: Not available.

Synonym: Benzol; Benzine

Chemical Name: Benzene

Chemical Formula: C6-H6

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Benzene	71-43-2	100

Toxicological Data on Ingredients: Benzene: ORAL (LD50): Acute: 930 mg/kg [Rat]. 4700 mg/kg [Mouse]. DERMAL (LD50): Acute: >9400 mg/kg [Rabbit]. VAPOR (LC50): Acute: 10000 ppm 7 hours [Rat].

Section 3: Hazards Identification

Potential Acute Health Effects:
Very hazardous in case of eye contact (irritant), of inhalation. Hazardous in case of skin contact (irritant, permeator), of ingestion. Inflammation of the eye is characterized by redness, watering, and itching.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Classified A1 (Confirmed for human.) by ACGIH, 1 (Proven for human.) by IARC. MUTAGENIC EFFECTS: Classified POSSIBLE for human. Mutagenic for mammalian somatic cells. Mutagenic for bacteria and/or yeast. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Classified Reproductive system/toxin/female [POSSIBLE]. The substance is toxic to blood, bone marrow, central nervous system (CNS). The substance may be toxic to liver, Urinary System. Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. WARM water MUST be used. Get medical attention immediately.

Skin Contact:
In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 497.78°C (928°F)

Flash Points: CLOSED CUP: -11.1°C (12°F). (Setaflash)

Flammable Limits: LOWER: 1.2% UPPER: 7.8%

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances:
Highly flammable in presence of open flames and sparks, of heat. Slightly flammable to flammable in presence of oxidizing materials. Non-flammable in presence of shocks.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available. Explosive in presence of oxidizing materials, of acids.

Fire Fighting Media and Instructions:
Flammable liquid, soluble or dispersed in water. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use alcohol foam, water spray or fog.

Special Remarks on Fire Hazards:
Extremely flammable liquid and vapor. Vapor may cause flash fire. Reacts on contact with iodine heptafluoride gas. Dioxygenyl tetrafluoroborate is as very powerful oxidant. The addition of a small particle to small samples of benzene, at ambient temperature, causes ignition. Contact with sodium peroxide with benzene causes ignition. Benzene ignites in contact with powdered chromic anhydride. Virgorous or incandescent reaction with hydrogen + Raney nickel (above 210 C) and bromine trifluoride.

Special Remarks on Explosion Hazards:
Benzene vapors + chlorine and light causes explosion. Reacts explosively with bromine pentafluoride, chlorine, chlorine trifluoride, diborane, nitric acid, nitryl perchlorate, liquid oxygen, ozone, silver perchlorate. Benzene + pentafluoride and methoxide (from arsenic pentafluoride and potassium methoxide) in trichlorotrifluoroethane causes explosion. Interaction

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of nitryl perchlorate with benzene gave a slight explosion and flash. The solution of permanganic acid (or its explosive anhydride, dimaganese heptoxide) produced by interaction of permanganates and sulfuric acid will explode on contact with benzene. Peroxodisulfuric acid is a very powferful oxidant. Uncontrolled contact with benzene may cause explosion. Mixtures of peroxomonsulfuric acid with benzene explodes.

Section 6: Accidental Release Measures

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:
Flammable liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up.. Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, acids.

Storage:
Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

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Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:
Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 0.5 STEL: 2.5 (ppm) from ACGIH (TLV) [United States] TWA: 1.6 STEL: 8 (mg/m3) from ACGIH (TLV) [United States] TWA: 0.1 STEL: 1 from NIOSH TWA: 1 STEL: 5 (ppm) from OSHA (PEL) [United States] TWA: 10 (ppm) from OSHA (PEL) [United States] TWA: 3 (ppm) [United Kingdom (UK)] TWA: 1.6 (mg/m3) [United Kingdom (UK)] TWA: 1 (ppm) [Canada] TWA: 3.2 (mg/m3) [Canada] TWA: 0.5 (ppm) [Canada]Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid.

Odor:
Aromatic. Gasoline-like, rather pleasant. (Strong.)

Taste: Not available.

Molecular Weight: 78.11 g/mole

Color: Clear Colorless. Colorless to light yellow.

pH (1% soln/water): Not available.

Boiling Point: 80.1 (176.2°F)

Melting Point: 5.5°C (41.9°F)

Critical Temperature: 288.9°C (552°F)

Specific Gravity: 0.8787 @ 15 C (Water = 1)

Vapor Pressure: 10 kPa (@ 20°C)

Vapor Density: 2.8 (Air = 1)

Volatility: Not available.

Odor Threshold: 4.68 ppm

Water/Oil Dist. Coeff.: The product is more soluble in oil; log(oil/water) = 2.1

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water, diethyl ether, acetone.

Solubility:
Miscible in alcohol, chloroform, carbon disulfide oils, carbon tetrachloride, glacial acetic acid, diethyl ether, acetone. Very slightly soluble in cold water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Heat, ignition sources, incompatibles.

Incompatibility with various substances: Highly reactive with oxidizing agents, acids.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:
Benzene vapors + chlorine and light causes explosion. Reacts explosively with bromine pentafluoride, chlorine, chlorine trifluoride, diborane, nitric acid, nitryl perchlorate, liquid oxygen, ozone, silver perchlorate. Benzene + pentafluoride and methoxide (from arsenic pentafluoride and potassium methoxide) in trichlorotrifluoroethane causes explosion. Interaction of nitryl perchlorate with benzene gave a slight explosion and flash. The solution of permanganic acid (or its explosive anhydride, dimaganese heptoxide) produced by interaction of permanganates and sulfuric acid will explode on contact with benzene. Peroxodisulfuric acid is a very powerful oxidant. Uncontrolled contact with benzene may cause explosion. Mixtures of peroxomonsulfuric acid with benzene explodes.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Inhalation.

Toxicity to Animals:
WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD50): 930 mg/kg [Rat]. Acute dermal toxicity (LD50): >9400 mg/kg [Rabbit]. Acute toxicity of the vapor (LC50): 10000 7 hours [Rat].

Chronic Effects on Humans:

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CARCINOGENIC EFFECTS: Classified A1 (Confirmed for human.) by ACGIH, 1 (Proven for human.) by IARC. MUTAGENIC EFFECTS: Classified POSSIBLE for human. Mutagenic for mammalian somatic cells. Mutagenic for bacteria and/or yeast. DEVELOPMENTAL TOXICITY: Classified Reproductive system/toxin/female [POSSIBLE]. Causes damage to the following organs: blood, bone marrow, central nervous system (CNS). May cause damage to the following organs: liver, Urinary System.

Other Toxic Effects on Humans:
Very hazardous in case of inhalation. Hazardous in case of skin contact (irritant, permeator), of ingestion.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans:
May cause adverse reproductive effects (female fertility, Embryotoxic and/or foetotoxic in animal) and birth defects. May affect genetic material (mutagenic). May cause cancer (tumorigenic, leukemia)) Human: passes the placental barrier, detected in maternal milk.

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects: Skin: Causes skin irritation. It can be absorbed through intact skin and affect the liver, blood, metabolism,and urinary system. Eyes: Causes eye irritation. Inhalation: Causes respiratory tract and mucous membrane irritation. Can be absorbed through the lungs. May affect behavior/Central and Peripheral nervous systems (somnolence, muscle weakness, general anesthetic, and other symptoms similar to ingestion), gastrointestinal tract (nausea), blood metabolism, urinary system. Ingestion: May be harmful if swallowed. May cause gastrointestinal tract irritation including vomiting. May affect behavior/Central and Peripheral nervous systems (convulsions, seizures, tremor, irritability, initial CNS stimulation followed by depression, loss of coordination, dizziness, headache, weakness, pallor, flushing), respiration (breathlessness and chest constriction), cardiovascular system, (shallow/rapid pulse), and blood.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

Special Remarks on the Products of Biodegradation: Not available.

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Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: CLASS 3: Flammable liquid.

Identification: : Benzene UNNA: 1114 PG: II

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Benzene California prop. 65 (no significant risk level): Benzene: 0.007 mg/day (value) California prop. 65: This product contains the following ingredients

for which the State of California has found to cause cancer which would require a warning under the statute: Benzene Connecticut carcinogen reporting list.: Benzene Connecticut hazardous material survey.: Benzene Illinois toxic substances disclosure to employee act: Benzene Illinois chemical safety act: Benzene New York release reporting list: Benzene Rhode Island RTK hazardous substances: Benzene Pennsylvania RTK: Benzene Minnesota: Benzene Michigan critical material: Benzene Massachusetts RTK: Benzene Massachusetts spill list: Benzene New Jersey: Benzene New Jersey spill list: Benzene Louisiana spill reporting: Benzene California Director's list of Hazardous Substances: Benzene TSCA 8(b) inventory: Benzene SARA 313 toxic chemical notification and release reporting: Benzene CERCLA: Hazardous substances.: Benzene: 10 lbs. (4.536 kg)

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R11- Highly flammable. R22- Harmful if swallowed. R38- Irritating to skin. R41- Risk of serious damage to eyes. R45- May cause cancer. R62- Possible risk of impaired fertility. S2- Keep out of the reach of children. S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S39- Wear eye/face protection. S46- If swallowed, seek medical advice immediately and show this container or label. S53- Avoid exposure - obtain special instructions before use.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 3

Reactivity: 0

Personal Protection: h

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 3

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

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Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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Last Updated: 05/21/2013 12:00 PM

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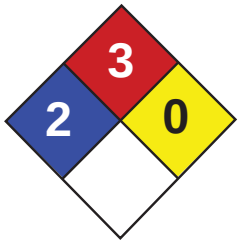

Health	2
Fire	3
Reactivity	0
Personal Protection	H

Material Safety Data Sheet
Ethylbenzene MSDS

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Section 1: Chemical Product and Company Identification

Product Name: Ethylbenzene

Catalog Codes: SLE2044

CAS#: 100-41-4

RTECS: DA0700000

TSCA: TSCA 8(b) inventory: Ethylbenzene

CI#: Not available.

Synonym: Ethyl Benzene; Ethylbenzol; Phenylethane

Chemical Name: Ethylbenzene

Chemical Formula: C8H10

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Ethylbenzene	100-41-4	100

Toxicological Data on Ingredients: Ethylbenzene: ORAL (LD50): Acute: 3500 mg/kg [Rat].

Section 3: Hazards Identification

Potential Acute Health Effects:
Hazardous in case of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant, permeator).

Potential Chronic Health Effects:
Slightly hazardous in case of skin contact (irritant, sensitizer). CARCINOGENIC EFFECTS: Classified 2B (Possible for human.) by IARC. MUTAGENIC EFFECTS: Mutagenic for mammalian somatic cells. Mutagenic for bacteria and/or yeast. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. WARM water MUST be used. Get medical attention.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Serious Skin Contact: Not available.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek medical attention.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 432°C (809.6°F)

Flash Points:
CLOSED CUP: 15°C (59°F). (Tagliabue.) OPEN CUP: 26.667°C (80°F) (Cleveland) (CHRIS, 2001) CLOSED CUP: 12.8 C (55 F) (Bingham et al, 2001; NIOSH, 2001) CLOSED CUP: 21 C (70 F) (NFPA)

Flammable Limits: LOWER: 0.8% - 1.6%UPPER: 6.7% - 7%

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances: Highly flammable in presence of open flames and sparks, of heat.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available. Slightly explosive in presence of heat.

Fire Fighting Media and Instructions:
Flammable liquid, soluble or dispersed in water. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use alcohol foam, water spray or fog.

Special Remarks on Fire Hazards:
Vapor may travel considerable distance to source of ignition and flash back. Vapors may form explosive mixtures with air. When heated to decomposition it emits acrid smoke and irritating fumes.

Special Remarks on Explosion Hazards: Vapors may form explosive mixtures in air.

Section 6: Accidental Release Measures

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:
Flammable liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

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Section 7: Handling and Storage

Precautions:
Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Avoid contact with eyes. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.

Storage:
Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Sensitive to light. Store in light-resistant containers.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:
Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 100 STEL: 125 (ppm) from OSHA (PEL) [United States] TWA: 435 STEL: 545 from OSHA (PEL) [United States] TWA: 435 STEL: 545 (mg/m3) from NIOSH [United States] TWA: 100 STEL: 125 (ppm) from NIOSH [United States] TWA: 100 STEL: 125 (ppm) from ACGIH (TLV) [United States] TWA: 100 STEL: 125 (ppm) [United Kingdom (UK)] TWA: 100 STEL: 125 (ppm) [Belgium] TWA: 100 STEL: 125 (ppm) [Finland] TWA: 50 (ppm) [Norway] Consult local authorities for acceptable exposure limits.

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Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid.

Odor: Sweetish. Gasoline-like. Aromatic.

Taste: Not available.

Molecular Weight: 106.16 g/mole

Color: Colorless.

pH (1% soln/water): Not available.

Boiling Point: 136°C (276.8°F)

Melting Point: -94.9 (-138.8°F)

Critical Temperature: 617.15°C (1142.9°F)

Specific Gravity: 0.867 (Water = 1)

Vapor Pressure: 0.9 kPa (@ 20°C)

Vapor Density: 3.66 (Air = 1)

Volatility: 100% (v/v).

Odor Threshold: 140 ppm

Water/Oil Dist. Coeff.: The product is more soluble in oil; log(oil/water) = 3.1

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water, diethyl ether.

Solubility:
Easily soluble in diethyl ether. Very slightly soluble in cold water or practically insoluble in water. Soluble in all proportions in Ethyl alcohol. Soluble in Carbon tetrachloride, Benzene. Insoluble in Ammonia. Slightly soluble in Chloroform. Solubility in Water: 169 mg/l @ 25 deg. C.; 0.014 g/100 ml @ 15 deg. C.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Heat, ingnition sources (flames, sparks, static), incompatible materials, light

Incompatibility with various substances: Reactive with oxidizing agents.

Corrosivity: Not considered to be corrosive for metals and glass.

Special Remarks on Reactivity:
Can react vigorously with oxidizing materials. Sensitive to light.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

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Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Inhalation.

Toxicity to Animals: Acute oral toxicity (LD50): 3500 mg/kg [Rat].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: Classified 2B (Possible for human.) by IARC. MUTAGENIC EFFECTS: Mutagenic for mammalian somatic cells. Mutagenic for bacteria and/or yeast. May cause damage to the following organs: central nervous system (CNS).

Other Toxic Effects on Humans:
Hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant, permeator).

Special Remarks on Toxicity to Animals:
Lethal Dose/Conc 50% Kill: LD50 [Rabbit] - Route: Skin; Dose: 17800 ul/kg Lowest Published Lethal Dose/Conc: LDL[Rat] - Route: Inhalation (vapor); Dose: 4000 ppm/4 H

Special Remarks on Chronic Effects on Humans:
May cause adverse reproductive effects and birth defects (teratogenic) based on animal test data. May cause cancer based on animals data. IARC evidence for carcinogenicity in animals is sufficient. IARC evidence of carcinogenicity in humans inadequate. May affect genetic material (mutagenic).

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects: Skin: Can cause mild skin irritation. It can be absorbed through intact skin. Eyes: Contact with vapor or liquid can cause severe eye irritation depending on concentration. It may also cause conjunctivitis. At a vapor exposure level of 85 - 200 ppm , it is mildly and transiently irritating to the eyes; 1000 ppm causes further irritation and tearing; 2000 ppm results in immediate and severe irritation and tearing; 5,000 ppm is intolerable (ACGIH, 1991; Clayton and Clayton, 1994). Standard draize test for eye irritation using 500 mg resulted in severe irritation (RTECS) Inhalation: Exposure to high concentrations can cause nasal, mucous membrane and respiratory tract irritation and can also result in chest constriction and, trouble breathing, respiratory failure, and even death. It can also affect behavior/Central Nervous System. The effective dose for CNS depression in experimental animals was 10,000 ppm (ACGIH, 1991). Symptoms of CNS depression include

headache, nausea, weakness, dizziness, vertigo, irritability, fatigue, lightheadedness, sleepiness, tremor, loss of coordination, judgement and conciousness, coma, and death. It can also cause pulmonary edema. Inhalation of 85 ppm can produce fatigue, insomnia, headache, and mild irritation of the respiratory tract (Haley & Berndt, 1987). Ingestion: Do not drink, pipet or siphon by mouth. May cause gastroinestinal/digestive tract irritation with Abdominal pain, nausea, vomiting. Ethylbenzene is a pulmonary aspiration hazard. Pulmonary aspiration of even small amounts of the liquid may cause fatal pneumonitis. It may also affect behavior/central nervous system with

Section 12: Ecological Information

Ecotoxicity:
Ecotoxicity in water (LC50): 14 mg/l 96 hours [Fish (Trout)] (static). 12.1 mg/l 96 hours [Fish (Fathead Minnow)] (flow-through)]. 150 mg/l 96 hours [Fish (Blue Gill/Sunfish)] (static). 275 mg/l 96 hours [Fish (Sheepshead Minnow)]. 42.3 mg/l 96 hours [Fish (Fathead Minnow)](soft water). 87.6mg/l 96 hours [Shrimp].

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: CLASS 3: Flammable liquid.

Identification: : Ethylbenzene UNNA: 1175 PG: II

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
Connecticut hazardous material survey.: Ethylbenzene Illinois toxic substances disclosure to employee act: Ethylbenzene Illinois chemical safety act: Ethylbenzene New York release reporting list: Ethylbenzene Rhode Island RTK hazardous substances: Ethylbenzene Pennsylvania RTK: Ethylbenzene Minnesota: Ethylbenzene Massachusetts RTK: Ethylbenzene Massachusetts spill list: Ethylbenzene New Jersey: Ethylbenzene New Jersey spill list: Ethylbenzene Louisiana spill reporting: Ethylbenzene California Director's List of Hazardous Substances: Ethylbenzene TSCA 8(b) inventory: Ethylbenzene TSCA 4(a) proposed test rules: Ethylbenzene TSCA 8(d) H and S data reporting: Ethylbenzene: Effective Date: 6/19/87; Sunset Date: 6/19/97 SARA 313 toxic chemical notification and release reporting: Ethylbenzene

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). CLASS D-2A: Material causing other toxic effects (VERY TOXIC). CLASSE D-2B: Material causing other toxic effects (TOXIC).

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DSCL (EEC):
R11- Highly flammable. R20- Harmful by inhalation. S16- Keep away from sources of ignition - No smoking. S24/25- Avoid contact with skin and eyes. S29- Do not empty into drains.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 3

Reactivity: 0

Personal Protection: h

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 3

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References:
-Manufacturer's Material Safety Data Sheet. -Fire Protection Guide to Hazardous Materials, 13th ed., National Fire Protection Association (NFPA) -Registry of Toxic Effects of Chemical Substances (RTECS) -Chemical Hazard Response Information System (CHRIS) -Hazardous Substance Data Bank (HSDB) -New Jersey Hazardous Substance Fact Sheet -Ariel Global View -Reprotext System

Other Special Considerations: Not available.

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Last Updated: 05/21/2013 12:00 PM

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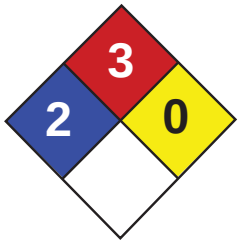

Health	2
Fire	3
Reactivity	0
Personal Protection	H

Material Safety Data Sheet
Toluene MSDS

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Section 1: Chemical Product and Company Identification

Product Name: Toluene

Catalog Codes: SLT2857, SLT3277

CAS#: 108-88-3

RTECS: XS5250000

TSCA: TSCA 8(b) inventory: Toluene

CI#: Not available.

Synonym: Toluol, Tolu-Sol; Methylbenzene; Methacide; Phenylmethane; Methylbenzol

Chemical Name: Toluene

Chemical Formula: C6-H5-CH3 or C7-H8

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Toluene	108-88-3	100

Toxicological Data on Ingredients: Toluene: ORAL (LD50): Acute: 636 mg/kg [Rat]. DERMAL (LD50): Acute: 14100 mg/kg [Rabbit]. VAPOR (LC50): Acute: 49000 mg/m 4 hours [Rat]. 440 ppm 24 hours [Mouse].

Section 3: Hazards Identification

Potential Acute Health Effects:
Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (permeator).

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: A4 (Not classifiable for human or animal.) by ACGIH, 3 (Not classifiable for human.) by IARC. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to blood, kidneys, the nervous system, liver, brain, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Skin Contact:
In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek medical attention.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 480°C (896°F)

Flash Points: CLOSED CUP: 4.4444°C (40°F). (Setaflash) OPEN CUP: 16°C (60.8°F).

Flammable Limits: LOWER: 1.1% UPPER: 7.1%

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances:
Flammable in presence of open flames and sparks, of heat. Non-flammable in presence of shocks.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
Flammable liquid, insoluble in water. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray or fog.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards:
Toluene forms explosive reaction with 1,3-dichloro-5,5-dimethyl-2,4-imidazolididione; dinitrogen tetraoxide; concentrated nitric acid, sulfuric acid + nitric acid; N2O4; AgClO4; BrF3; Uranium hexafluoride; sulfur dichloride. Also forms an explosive mixture with tetranitromethane.

Section 6: Accidental Release Measures

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

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Large Spill:
Toxic flammable liquid, insoluble or very slightly soluble in water. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents.

Storage:
Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:
Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 200 STEL: 500 CEIL: 300 (ppm) from OSHA (PEL) [United States] TWA: 50 (ppm) from ACGIH (TLV) [United States] SKIN TWA: 100 STEL: 150 from NIOSH [United States] TWA: 375 STEL: 560 (mg/m3) from NIOSH [United States] Consult local authorities for acceptable exposure limits.

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Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid.

Odor: Sweet, pungent, Benzene-like.

Taste: Not available.

Molecular Weight: 92.14 g/mole

Color: Colorless.

pH (1% soln/water): Not applicable.

Boiling Point: 110.6°C (231.1°F)

Melting Point: -95°C (-139°F)

Critical Temperature: 318.6°C (605.5°F)

Specific Gravity: 0.8636 (Water = 1)

Vapor Pressure: 3.8 kPa (@ 25°C)

Vapor Density: 3.1 (Air = 1)

Volatility: Not available.

Odor Threshold: 1.6 ppm

Water/Oil Dist. Coeff.: The product is more soluble in oil; log(oil/water) = 2.7

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water, diethyl ether, acetone.

Solubility:
Soluble in diethyl ether, acetone. Practically insoluble in cold water. Soluble in ethanol, benzene, chloroform, glacial acetic acid, carbon disulfide. Solubility in water: 0.561 g/l @ 25 deg. C.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Heat, ignition sources (flames, sparks, static), incompatible materials

Incompatibility with various substances: Reactive with oxidizing agents.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:
Incompatible with strong oxidizers, silver perchlorate, sodium difluoride, Tetranitromethane, Uranium Hexafluoride. Frozen Bromine Trifluoride reacts violently with Toluene at -80 deg. C. Reacts chemically with nitrogen oxides, or halogens to form nitrotoluene, nitrobenzene, and nitrophenol and halogenated products, respectively.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

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Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:
WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD50): 636 mg/kg [Rat]. Acute dermal toxicity (LD50): 14100 mg/kg [Rabbit]. Acute toxicity of the vapor (LC50): 440 24 hours [Mouse].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: A4 (Not classifiable for human or animal.) by ACGIH, 3 (Not classifiable for human.) by IARC. May cause damage to the following organs: blood, kidneys, the nervous system, liver, brain, central nervous system (CNS).

Other Toxic Effects on Humans:
Hazardous in case of skin contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (permeator).

Special Remarks on Toxicity to Animals:
Lowest Published Lethal Dose: LDL [Human] - Route: Oral; Dose: 50 mg/kg LCL [Rabbit] - Route: Inhalation; Dose: 55000 ppm/40min

Special Remarks on Chronic Effects on Humans:
Detected in maternal milk in human. Passes through the placental barrier in human. Embryotoxic and/or foetotoxic in animal. May cause adverse reproductive effects and birth defects (teratogenic). May affect genetic material (mutagenic)

Special Remarks on other Toxic Effects on Humans:

Acute Potential Health Effects: Skin: Causes mild to moderate skin irritation. It can be absorbed to some extent through the skin. Eyes: Cauess mild to moderate eye irritation with a burning sensation. Splash contact with eyes also causes conjunctivitis, blepharospasm, corneal edema, corneal abraisons. This usually resolves in 2 days. Inhalation: Inhalation of vapor may cause respiratory tract irritation causing coughing and wheezing, and nasal discharge. Inhalation of high concentrations may affect behavior and cause central nervous system effects characterized by nausea, headache, dizziness, tremors, restlessness, lightheadedness, exhilaration, memory loss, insomnia, impaired reaction time, drowsiness, ataxia, hallucinations, somnolence, muscle contraction or spasticity, unconsciousness and coma. Inhalation of high concentration of vapor may also affect the cardiovascular system (rapid heart beat, heart palpitations, increased or decreased blood pressure, dysrhythmia,), respiration (acute pulmonary edema, respiratory depression, apnea, asphyxia), cause vision disturbances and dilated pupils, and cause loss of appetite. Ingestion: Aspiration hazard. Aspiration of Toluene into the lungs may cause chemical pneumonitis. May cause irritation of the digestive tract with nausea, vomiting, pain. May have effects similar to that of acute inhalation. Chronic Potential Health Effects: Inhalation and Ingestion: Prolonged or repeated exposure via inhalation may cause central nervous system and cardiovascular symptoms similar to that of acute inhalation and ingestion as well liver damage/failure, kidney damage/failure (with hematuria, proteinuria, oliguria, renal tubular acidosis), brain damage, weight loss, blood (pigmented or nucleated red blood cells, changes in white blood cell count), bone marrow changes, electrolyte imbalances (Hypokalemia, Hypophostatemia), severe, muscle weakness and Rhabdomyolysis. Skin: Repeated or prolonged skin contact may cause defatting dermatitis.

Section 12: Ecological Information

Ecotoxicity:
Ecotoxicity in water (LC50): 313 mg/l 48 hours [Daphnia (daphnia)]. 17 mg/l 24 hours [Fish (Blue Gill)]. 13 mg/l 96 hours [Fish (Blue Gill)]. 56 mg/l 24 hours [Fish (Fathead minnow)]. 34 mg/l 96 hours [Fish (Fathead minnow)]. 56.8 ppm any hours [Fish (Goldfish)].

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

Special Remarks on the Products of Biodegradation: Not available.

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Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: CLASS 3: Flammable liquid.

Identification: : Toluene UNNA: 1294 PG: II

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Toluene California prop. 65 (no significant risk level): Toluene: 7 mg/day (value) California prop. 65 (acceptable daily intake level): Toluene: 7 mg/day (value) California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: Toluene Connecticut hazardous material survey.: Toluene Illinois

toxic substances disclosure to employee act: Toluene Illinois chemical safety act: Toluene New York release reporting list: Toluene Rhode Island RTK hazardous substances: Toluene Pennsylvania RTK: Toluene Florida: Toluene Minnesota: Toluene Michigan critical material: Toluene Massachusetts RTK: Toluene Massachusetts spill list: Toluene New Jersey: Toluene New Jersey spill list: Toluene Louisiana spill reporting: Toluene California Director's List of Hazardous Substances.: Toluene TSCA 8(b) inventory: Toluene TSCA 8(d) H and S data reporting: Toluene: Effective date: 10/04/82; Sunset Date: 10/0/92 SARA 313 toxic chemical notification and release reporting: Toluene CERCLA: Hazardous substances.: Toluene: 1000 lbs. (453.6 kg)

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R11- Highly flammable. R20- Harmful by inhalation. S16- Keep away from sources of ignition - No smoking. S25- Avoid contact with eyes. S29- Do not empty into drains. S33- Take precautionary measures against static discharges.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 3

Reactivity: 0

Personal Protection: h

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 3

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

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Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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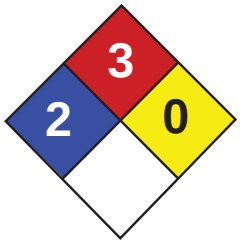

Health	2
Fire	3
Reactivity	0
Personal Protection	H

Material Safety Data Sheet
p-Xylene MSDS

Section 1: Chemical Product and Company Identification

Product Name: p-Xylene

Catalog Codes: SLX1120

CAS#: 106-42-3

RTECS: ZE2625000

TSCA: TSCA 8(b) inventory: p-Xylene

CI#: Not applicable.

Synonym: p-Methyltoluene

Chemical Name: 1,4-Dimethylbenzene

Chemical Formula: C6H4(CH3)2

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

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Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
{p-}Xylene	106-42-3	100

Toxicological Data on Ingredients: p-Xylene: ORAL (LD50): Acute: 5000 mg/kg [Rat.]. DERMAL (LD50): Acute: 12400 mg/kg [Rabbit.]. VAPOR (LC50): Acute: 4550 ppm 4 hour(s) [Rat].

Section 3: Hazards Identification

Potential Acute Health Effects:
Very hazardous in case of skin contact (irritant), of eye contact (irritant). Slightly hazardous in case of skin contact (permeator), of ingestion, of inhalation. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Potential Chronic Health Effects:
Hazardous in case of skin contact (irritant), of eye contact (irritant). Slightly hazardous in case of skin contact (permeator), of ingestion, of inhalation. CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to blood, kidneys, the nervous system, liver. Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact: Check for and remove any contact lenses. Do not use an eye ointment. Seek medical attention.

Skin Contact:
After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation: Not available.

Ingestion:
Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 527°C (980.6°F)

Flash Points: CLOSED CUP: 25°C (77°F). OPEN CUP: 28.9°C (84°F) (Cleveland).

Flammable Limits: LOWER: 1.1% UPPER: 7%

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances: Highly flammable in presence of open flames and sparks, of heat.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
Flammable liquid, insoluble in water. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.

Special Remarks on Fire Hazards:
Explosive in the form of vapor when exposed to heat or flame. Vapor may travel considerable distance to source of ignition and flash back. When heated to decomposition it emits acrid smoke and irritating fumes.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:
Toxic flammable liquid, insoluble or very slightly soluble in water. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

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Precautions:
Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapour/spray. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes Keep away from incompatibles such as oxidizing agents.

Storage:
Flammable materials should be stored in a separate safety storage cabinet or room. Keep away from heat. Keep away from sources of ignition. Keep container tightly closed. Keep in a cool, well-ventilated place. Ground all equipment containing material. A refrigerated room would be preferable for materials with a flash point lower than 37.8°C (100°F).

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:
Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 100 STEL: 150 (ppm) from ACGIH (TLV) TWA: 434 STEL: 651 (mg/m3) from ACGIHConsult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid. (Liquid.)

Odor: Not available.

Taste: Not available.

Molecular Weight: 106.17 g/mole

Color: Colorless.

pH (1% soln/water): Not applicable.

Boiling Point: 138°C (280.4°F)

Melting Point: 12°C (53.6°F)

Critical Temperature: Not available.

Specific Gravity: 0.86 (Water = 1)

Vapor Pressure: 9 mm of Hg (@ 20°C)

Vapor Density: 3.7 (Air = 1)

Volatility: Not available.

Odor Threshold: 0.62 ppm

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water, methanol, diethyl ether.

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Solubility:
Easily soluble in methanol, diethyl ether. Insoluble in cold water, hot water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Reactive with oxidizing agents.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: No.

Section 11: Toxicological Information

Routes of Entry: Eye contact.

Toxicity to Animals:
WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD50): 5000 mg/kg [Rat.]. Acute dermal toxicity (LD50): 12400 mg/kg [Rabbit.]. Acute toxicity of the vapor (LC50): 4550 ppm 4 hour(s) [Rat].

Chronic Effects on Humans: The substance is toxic to blood, kidneys, the nervous system, liver.

Other Toxic Effects on Humans:
Very hazardous in case of skin contact (irritant). Slightly hazardous in case of skin contact (permeator), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans:
0347 Animal: embryotoxic, foetotoxic, passes through the placental barrier. 0900 Detected in maternal milk in human. Narcotic effect; may cause nervous system disturbances.

Special Remarks on other Toxic Effects on Humans: Material is irritating to mucous membranes and upper respiratory tract.

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Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification: Class 3: Flammable liquid.

Identification: : Xylene : UN1307 PG: III

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
Pennsylvania RTK: p-Xylene Florida: p-Xylene Massachusetts RTK: p-Xylene New Jersey: p-Xylene TSCA 8(b) inventory: p-Xylene SARA 313 toxic chemical notification and release reporting: p-Xylene CERCLA: Hazardous substances.: p-Xylene

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications:

WHMIS (Canada):
CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). CLASS D-2B: Material causing other toxic effects (TOXIC).

DSCL (EEC):
R10- Flammable. R38- Irritating to skin. R41- Risk of serious damage to eyes. R48/20- Harmful: danger of serious damage to health by prolonged exposure through inhalation.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 3

Reactivity: 0

Personal Protection: h

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 3

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

DRAFT

Section 16: Other Information

References:
-Hawley, G.G.. The Condensed Chemical Dictionary, 11e ed., New York N.Y., Van Nostrand Reinold, 1987. -Material safety data sheet emitted by: la Commission de la SantÃ© et de la SÃ©curitÃ© du Travail du QuÃ©bec. -SAX, N.I. Dangerous Properties of Indutrial Materials. Toronto, Van Nostrand Reinold, 6e ed. 1984. -The Sigma-Aldrich Library of Chemical Safety Data, Edition II. -Guide de la loi et du rÃ¨glement sur le transport des marchandises dangeureuses au canada. Centre de conformitÃ© internatinal LtÃ©e. 1986.

Other Special Considerations: Not available.

Created: 10/10/2005 08:33 PM

Last Updated: 05/21/2013 12:00 PM

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ATTACHMENT 4

DRAFT

EMERGENCY RESPONSE CHECKLIST

In an Emergency

Confirm the reported incident		
Evacuate and secure the area		
Render first aid/emergency medical care		
Notify promptly:		
Project Manager		
Fire Department		
Police Department		
Nearest Hospital or Medical Care Facility		
Start Documentation		
If spill or leak occurs:		
Don the proper PPE		
Stop the source		
Contain the spill		
Clean up the spill		
Upon evacuating, take attendance at the assembly area		
Authority given:		
Leave the site		
Restart the operations		
Debrief and document the incident		
Submit a copy of the document to the Health and Safety Manager		

DRAFT

H. Engineering Calculations

Please see following for calculations.

TESC Calculations

Project: Federal Way Tilt
BCE #: 18943

REQUIRED SURFACE AREA

SA = (2,080)(Q_{10})	=	**1,365**	SF
SA PROVIDED	=	**4,750**	**SF**

Flow	cfs
Q2*	**0.4455**
Q10	**0.6562**
Q100	**0.9551**

KEY

INPUT
OUTPUT
CHECK

WWHM2012

PROJECT REPORT

18660 OCED - Federal Way
TESC Calculations
02/12/2019

General Model Information

Project Name:	18660-TESC
Site Name:	Federal Way Emergency
Site Address:	19805 Pacific Highway
City:	Federal Way
Report Date:	2/14/2019
Gage:	Seatac
Data Start:	1948/10/01
Data End:	2009/09/30
Timestep:	15 Minute
Precip Scale:	1.000
Version Date:	2018/10/10
Version:	4.2.16

POC Thresholds

Low Flow Threshold for POC1:	50 Percent of the 2 Year
High Flow Threshold for POC1:	50 Year

Landuse Basin Data

Predeveloped Land Use

Basin 1

Bypass:	No
GroundWater:	No

Pervious Land Use	acre
C, Forest, Flat	1.56
C, Forest, Steep	0.26
Pervious Total	1.82

Impervious Land Use	acre
Impervious Total	0
Basin Total	1.82

Element Flows To:

Surface	Interflow	Groundwater

Mitigated Land Use

Basin 1

Bypass:	No
GroundWater:	No

Pervious Land Use	acre
A B, Lawn, Flat	0.55
A B, Lawn, Steep	0.11
Pervious Total	0.66

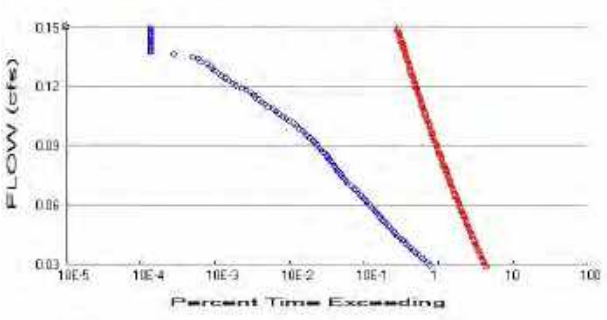
Impervious Land Use	acre
ROADS FLAT	0.63
ROOF TOPS FLAT	0.23
SIDEWALKS FLAT	0.12
POND	0.18
Impervious Total	1.16
Basin Total	1.82

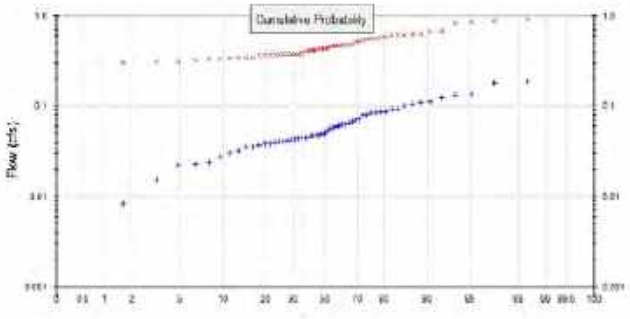
Element Flows To:

Surface	Interflow	Groundwater

Analysis Results

POC 1





\+ Predeveloped x Mitigated

Predeveloped Landuse Totals for POC #1
Total Pervious Area: 1.82
Total Impervious Area: 0

Mitigated Landuse Totals for POC #1
Total Pervious Area: 0.66
Total Impervious Area: 1.16

Flow Frequency Method: Log Pearson Type III 17B

Flow Frequency Return Periods for Predeveloped. POC #1

Return Period	Flow(cfs)
2 year	0.056617
5 year	0.090416
10 year	0.111116
25 year	0.134722
50 year	0.150439
100 year	0.164653

Flow Frequency Return Periods for Mitigated. POC #1

Return Period	Flow(cfs)
2 year	0.445474
5 year	0.569441
10 year	0.656196
25 year	0.771386
50 year	0.861385
100 year	0.955089

Annual Peaks

Annual Peaks for Predeveloped and Mitigated. POC #1

Year	Predeveloped	Mitigated
1949	0.057	0.576
1950	0.070	0.619
1951	0.124	0.379
1952	0.040	0.319
1953	0.032	0.344
1954	0.048	0.368
1955	0.080	0.408
1956	0.063	0.401
1957	0.052	0.455
1958	0.057	0.367

1959	0.048	0.375
1960	0.085	0.369
1961	0.048	0.389
1962	0.030	0.339
1963	0.041	0.381
1964	0.054	0.369
1965	0.039	0.474
1966	0.037	0.314
1967	0.079	0.540
1968	0.049	0.614
1969	0.048	0.427
1970	0.040	0.412
1971	0.043	0.491
1972	0.093	0.551
1973	0.043	0.307
1974	0.046	0.448
1975	0.064	0.516
1976	0.045	0.349
1977	0.006	0.376
1978	0.040	0.460
1979	0.024	0.630
1980	0.093	0.565
1981	0.035	0.462
1982	0.072	0.652
1983	0.061	0.530
1984	0.039	0.335
1985	0.023	0.461
1986	0.100	0.400
1987	0.088	0.617
1988	0.035	0.375
1989	0.022	0.468
1990	0.185	0.926
1991	0.109	0.668
1992	0.044	0.331
1993	0.045	0.287
1994	0.015	0.313
1995	0.062	0.410
1996	0.133	0.473
1997	0.113	0.441
1998	0.028	0.429
1999	0.104	0.878
2000	0.045	0.438
2001	0.008	0.480
2002	0.050	0.560
2003	0.064	0.440
2004	0.085	0.822
2005	0.060	0.376
2006	0.068	0.348
2007	0.136	0.861
2008	0.179	0.638
2009	0.087	0.572

Ranked Annual Peaks

Ranked Annual Peaks for Predeveloped and Mitigated. POC #1

Rank	Predeveloped	Mitigated
1	0.1854	0.9262
2	0.1792	0.8784
3	0.1363	0.8611

4	0.1330	0.8219
5	0.1237	0.6680
6	0.1126	0.6518
7	0.1090	0.6379
8	0.1044	0.6298
9	0.0999	0.6190
10	0.0934	0.6167
11	0.0926	0.6144
12	0.0879	0.5763
13	0.0868	0.5716
14	0.0852	0.5651
15	0.0851	0.5603
16	0.0796	0.5515
17	0.0795	0.5403
18	0.0722	0.5305
19	0.0704	0.5164
20	0.0677	0.4914
21	0.0643	0.4803
22	0.0639	0.4744
23	0.0628	0.4734
24	0.0620	0.4679
25	0.0611	0.4622
26	0.0595	0.4611
27	0.0574	0.4601
28	0.0568	0.4554
29	0.0539	0.4483
30	0.0520	0.4411
31	0.0496	0.4398
32	0.0485	0.4382
33	0.0481	0.4293
34	0.0480	0.4270
35	0.0477	0.4121
36	0.0475	0.4099
37	0.0456	0.4078
38	0.0450	0.4014
39	0.0448	0.3997
40	0.0446	0.3890
41	0.0438	0.3806
42	0.0432	0.3793
43	0.0428	0.3761
44	0.0414	0.3760
45	0.0403	0.3747
46	0.0400	0.3746
47	0.0396	0.3691
48	0.0387	0.3689
49	0.0387	0.3679
50	0.0371	0.3673
51	0.0355	0.3489
52	0.0354	0.3476
53	0.0322	0.3437
54	0.0305	0.3388
55	0.0275	0.3352
56	0.0239	0.3314
57	0.0226	0.3188
58	0.0223	0.3142
59	0.0150	0.3126
60	0.0084	0.3072
61	0.0059	0.2870

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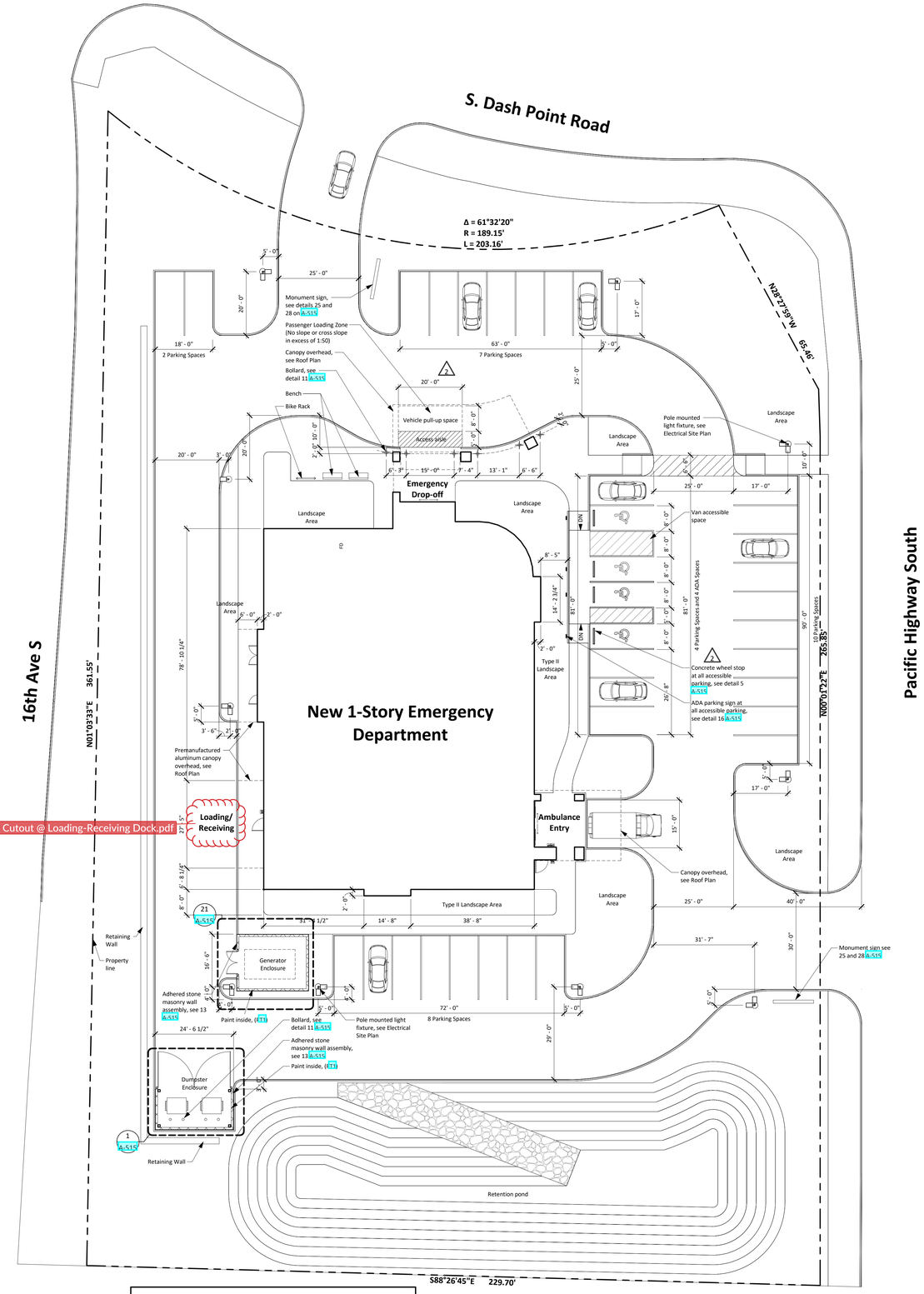

Design Guidlines for City of Federal Way

19.115.060 Building design – All zoning districts.

- (2) Building facade modulation and screening options, defined. Except for zero lot line townhouse development and attached dwelling units, all building facades that are both longer than 60 feet and are visible from either a right-of-way or residential use or zone shall incorporate facade treatment according to this section. Subject facades shall incorporate at least two of the four options described herein; except, however, facades that are solidly screened by Type I landscaping, pursuant to Chapter 19.125 FWRC, Outdoors, Yards, and Landscaping, may use facade modulation as the sole option under this section. Options used under this section shall be incorporated along the entire length of the facade, in any approved combination. Options used must meet the dimensional standards as specified herein; except, however, if more than two are used, dimensional requirements for each option will be determined on a case-by-case basis; provided, that the gross area of a pedestrian plaza may not be less than the specified minimum of 200 square feet. See FWRC 19.115.090(3) for guidelines pertaining to city center core and city center frame.

  - (a) Facade modulation. Minimum depth: two feet; minimum width: six feet; maximum width: 60 feet. Alternative methods to shape a building, such as angled or curved facade elements, off-set planes, wing walls and terracing, will be considered; provided, that the intent of this section is met.
    Two-foot facade modulations included on East and West facades.

  - (b) Landscape screening. Eight-foot-wide Type II landscape screening along the base of the facade, except Type IV may be used in place of Type II for facades that are comprised of 50 percent or more window area, and around building entrance(s). For building facades that are located adjacent to a property line, some or all of the underlying buffer width required by Chapter 19.125 FWRC, Outdoors, Yards, and Landscaping, may be considered in meeting the landscape width requirement of this section.
    Type II landscape screening included on West facade.

  - (c) Canopy or arcade. As a modulation option, canopies or arcades may be used only along facades that are visible from a right-of-way. Minimum length: 50 percent of the length of the facade using this option.
    Canopies included on East facade.

General Site Data

Site Area
74,328 SF
Building Area
9,830 SF
Site Zoning
Community Business (BC)
Construction Classification
Type II-B (IBC Table 601)
Type II(222) (NFPA 220, Table 3-1, NFPA 101, Table 18.1.6.4)

Parking Requirements

Parking Required:
Medical Office: 1 per 300 s.f. = **33 spaces**
Accessible Spaces Required: **2 spaces**

Parking Provided		
Regular Spaces	**Accessible Spaces**	**Total Spaces**
32	**4**	**36**

General Notes - Site Plan

1. See Civil Drawings for paving dimensions and grading.
2. See Civil Drawings for ADA ramps in sidewalk.

Legend - Site Plan

Property Line
Utility Easement

True North

Site Narrative | 1 1/2" = 1'-0" | **16**

Site Plan | 1/16" = 1'-0" | **1**

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Philo Wilke Partnership
11275 S. Sam Houston Parkway W.
Suite 200
Houston, Texas 77031
(832) 554-1130
www.pwarch.com

11803 REGISTERED ARCHITECT
GREGORY LYNN JOHNSON
STATE OF WASHINGTON
09/13/2019

Consultants

Civil and Landscape Consultant
Barghausen
18215 72nd Avenue South
Kent, WA 98032
425-251-6222
Structural Consultant
Cardno
3700 West Sam Houston Parkway
South Suite 100, Houston, TX 77042
713-868-1591
MEP / Low Voltage / Security Consultant
SSR
3700 W. Sam Houston Pkwy. South
Suite 200,
Houston, TX 77042
713-784-8211

Issues / Revisions

No.	Date	Description
1	04/16/2018	Issued for Pricing and Permit
2	09/13/2018	Building Comment Response
3	02/27/2019	Issued for Pricing
4	09/13/2019	Issued for Construction

Project

Off Campus Emergency Department-Federal Way

29805 Pacific Hwy S Federal Way, WA

Drawing Name

Site Plan

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P&W Commission Number: 217-017

Sheet Number: A-100

GRADING PLAN

A PORTION OF THE NW 1/4 OF THE SW 1/4 OF SEC. 4, TWN 21 N,
RG 4 E, W.M. CITY OF FEDERAL WAY, KING COUNTY,
WASHINGTON

1"=20'

CALL BEFORE YOU DIG A
MINIMUM OF 48 HOURS
PRIOR TO ANY EXCAVATION
811

RFI0001 - Curb Designation Clarification.pdf

RFI0016 - Soil Nail Wall Length.pdf

RFI0008 - Driveway Cutout @ Loading-Receiving Dock.pdf

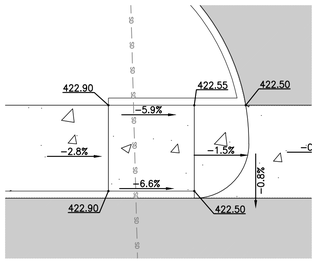
RFI0048 - Concrete Slab Thickness at Ambulance Entrance.pdf

NOTES:

1. CONTRACTOR TO FIELD LOCATE AND VERIFY VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES.
2. SOLID WASTE ENCLOSURE SHALL BE COVERED. SEE ARCHITECTURAL PLANS FOR DETAILS.
3. WALL ELEVATIONS SHOWN ARE APPROXIMATE. SEE GEOENGINEERS PLANS DATE 4-2-2020 FOR WALL DESIGN.

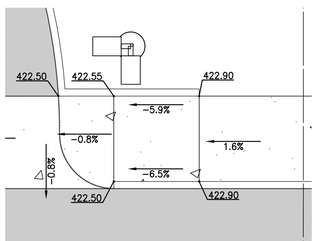
WEST CURB RAMP GRADING DETAIL

SCALE: 1"=5'



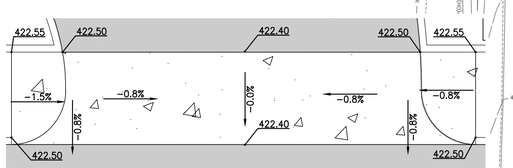
EAST CURB RAMP GRADING DETAIL

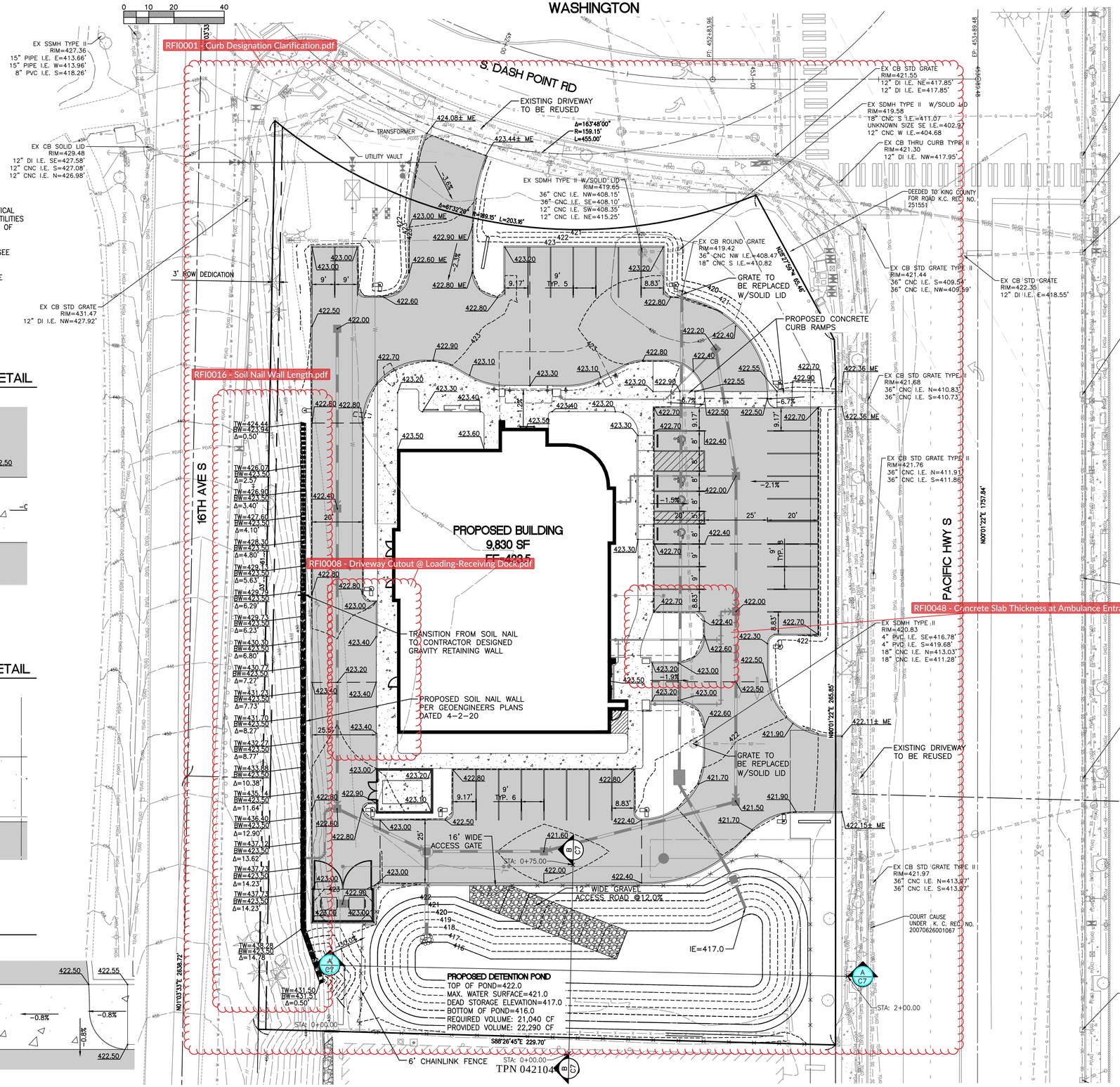
SCALE: 1"=5'



ADA ROUTE GRADING DETAIL

SCALE: 1"=5'





PERMIT NO. 18-102604-CO

APPROVED

DATE

No.	Date	By	Ckd.	Appr.	Revision
5	05/06/20	JT	DKB	DKB	PR 03

Title: GRADING PLAN

For: OFF CAMPUS EMERGENCY DEPARTMENT - FEDERAL WAY
29805 PACIFIC HIGHWAY S.
FEDERAL WAY, WA

FOR
OCED - FEDERAL WAY

DANIEL K. BALMELLI
STATE OF WASHINGTON
25672
REGISTERED PROFESSIONAL ENGINEER
05/06/2020

Scale: Horizontal 1"=20' Vertical N/A

Designed JT
Drawn JT
Checked DKB
Approved DKB
Date 05/06/20

BARGHAUSEN CONSULTING ENGINEERS, INC.
18215 72ND AVENUE SOUTH
KENT, WA 98032
(425)251-6222
(425)251-8782 FAX
CIVIL ENGINEERING, LAND PLANNING, SURVEYING, ENVIRONMENTAL SERVICES

Job Number 18660

Sheet C4 of 10

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Title: EMERGENCY RESPONSE PLAN (ERP) HAZARDOUS MATERIAL SPILL/EXPOSURE – CODE ORANGE

Scope:

This plan applies to all Puget Sound Region MultiCare Health System (MHS) locations, owned and leased.

This scope includes, inpatient, outpatient and emergency departments for: Tacoma General/Allenmore Hospitals, Mary Bridge Children's Hospital, Good Samaritan Hospital, Auburn Medical Center, Covington Medical Center, and all ambulatory areas.

Policy Statement:
To establish emergency response procedures for a Hazardous Material Spill/Exposure Incident.

Special Instructions:

1. If a patient care or disruption of service is expected or occurs, a facility may activate their Emergency Operations Plan (EOP) to implement positions needed as outlined in the Hospital Incident Command System (HICS).
2. The Safety Data Sheet (SDS) will be utilized to provide the specific guidelines for the containment protective equipment required for cleanup and disposal of the identified chemical/product.
3. A contracted Hazardous Material Response Company will manage those spills, leaks, or exposures that cannot be managed internally as identified in the risk assessment.
    a. The Safety Officer and Facilities Manager, or designee, has the authority to authorize the use of external hazardous material response and disposal companies.
    b. The department responsible for the spill is responsible for all fees associated with response and disposal.
4. All chemical/product spills, leaks, or exposures and will be:
    a. Managed and responded to in the same manner throughout the MultiCare Health System as outlined below in the procedure section.
    b. Documented utilizing the quality assurance reporting systems.
    c. Injuries will be reported to the Occupational Health Partners.
    d. Reviewed by the Safety Officer and communicated to appropriate external agencies and/or internal departments.
    e. Summarized into the Environment of Care Committees and Advisory Board reports.
    f. If HICS is activated, incident will be documented utilizing applicable HICS forms.

Procedure:

I. Incidental Release/Spill Response:

Incidental Releases/Spills is a release of a hazardous substance which does not pose a significant safety or health hazard to employees in the immediate vicinity or to the worker cleaning it up, nor does it have the potential to become an emergency. Incidental spills do not require an emergency response, and may be cleaned up by employees working in the area where the spill occurred or by maintenance personnel.

A. Any Staff or Department Personnel who are first to identify a chemical/product spill, leak or exposure will: (these steps can be completed simultaneously if more than one employee is available to assist).

1. Alarm:
   a. Acute Care Hospitals in the PSR Dial 5555 and request a Code Orange to the spill location (Wing, Floor, Department);
   b. Ambulatory facilities and OCEDs contact Security Dispatch and provide Security Dispatch with chemical/product identifying information if known:
      1.) Location
      2.) Product name
      3.) Quantity of spill, leak or exposure
      4.) Health Hazard Info from SDS
   c. Contact immediate Supervisor and relay information.
2. Evacuate and clear personnel from area (do not attempt to rescue incapacitated personnel).
3. If personnel are incapacitated, call 911.
4. Remove any ignition sources;
5. Assess Risk:
   a. Determine the risk that may affect human health, the environment and property;
   b. Locate the Safety Data Sheet to identify hazards and emergency response guidance;
6. Select Personal Protective equipment indicated on Safety Data Sheet;
7. Contain, Isolate, and Secure the chemical/product:
   a. Use spill kits, kitty litter, spill containment booms/pads, blankets, or towels;
   b. Prevent chemical/product from entering drains or storm drains;
   c. Stop the source;
   d. Open windows in immediate area to ventilate;
   e. Close doors to prevent fumes from traveling into other rooms, corridors;
   f. Call Facilities to asses HVAC ventilation;
   g. Remain outside the contaminated area and prevent entry until spill is contained and cleaned.
7. Implement Cleanup:
   a. Implement clean up and disposal in accordance with Safety Data Sheet and Hazardous Waste Program Manager.

Note: If, at any time, the chemical is determined to be toxic or lethal, vacate the area, call 9-1-1 and follow directions indicated in section II.

II. Emergency Spill Response:

Emergency Spill Response is conducted by employees outside of the immediate area of release or by other designated responders to an occurrence which results, or is likely to

result, in an uncontrolled release of a hazardous substance

A. **Hazmat First responders at the awareness/operations level:**

1. Alarm:
   a. Acute Care Hospitals in PSR Dial 5555 and request a Code Orange to the spill location (Wing, Floor, Department);
   b. Ambulatory facilities and OCEDs Contact Security Dispatch and provide Security Dispatch with chemical/product identifying information if known:
      1.) Location
      2.) Product name
      3.) Quantity of spill, leak or exposure
      4.) Health Hazard Info from SDS
   c. Contact immediate Supervisor and relay information.
2. Evacuate and clear personnel from area (do not attempt to rescue incapacitated personnel);
3. If personnel are incapacitated call 911.
4. Remove any ignition sources;
5. Assess Risk:
   a. Determine the risk that may affect human health, the environment and property;
   b. Locate the Safety Data Sheet to identify hazards and emergency response guidance;
   c. If the substance is known to be highly toxic or lethal implement refer to the Evacuation Response Plan (Flip Charts);
6. If substance is not toxic or lethal and a hazmat technician on staff is not available, call Environmental Safety to coordinate hazardous materials technician response, or call Clean Harbors Emergency Response Services: 1800-645-8265;

B. Hazmat Technicians:

1. Report to scene or contact the reporting employee to ensure:
   a. Area is ventilated and secured to prevent entry until area is determined to be safe.
   b. Appropriate protective equipment is worn.
   c. Product is contained/isolated or the source of the leak or exposure was repaired;
   d. Employees were removed from immediate area or have been rescued and injured employees are treated on scene or transported to Emergency Services and complete “Employee Injury Report”.
2. Contact the MHS Safety Officer, or designee, to:
   a. Outline cleanup procedures;
   b. Authorize external clean-up by contractor if needed;
   c. Authorize to the facility EOP as needed based on the hazardous material scenario.
      1.) Administrator On-Call and House Supervisor have authority to activate HICS without authorization from MHS Safety.
3. Contact the Hospital Supervisor/Site Manager/Administrator On-Call as needed based on the severity or the impact of the incident to the environment and services.
4. Document incident utilizing the Quality Assurance Reporting including names of all people exposed and/or injured and forward to Quality Assurance with copies to the Safety Officer.

5. Communicate actions taken to other departments as appropriate (i.e. Risk, Legal, Infection Control, Safety Officer, etc.)
    a. MHS Safety Officer, or designee, will notify the required contacts in accordance with Washington State Required Contacts outlined in Section IV of this procedure.

III. Formaldehyde Release/Spill Response

A. Minor spills are those that can be cleaned up very quickly by laboratory personnel who have received training on the hazards of formaldehyde. Departments that use formaldehyde will provide employees with specific protocols in handling and spill response. The quantity, concentration, location of the spill, and availability of staff to assist in the cleanup may elevate some formaldehyde spills to the status of a major spill. The table below illustrates some spill scenarios:

Examples of Minor Spills	Examples of Major Spills
A single leaking specimen container containing 10% formalin or paraformaldehyde	Multiple broken specimen containers that contained 10% formalin.
A broken specimen container that contained up to 100 ml of 10% formalin or paraformaldehyde	A partial or full container containing more than 100 ml of 35% formaldehyde onto a bench or the floor
A partial of full container (greater than 100 ml) of 35% formaldehyde in a chemical fume hood	A stock bottle (500 ml or greater) of 10% formalin onto a bench or the floor
A splash of concentrated formaldehyde or paraformaldehyde onto a surface	A single lab staff member drops 1-2 specimen containers

B. For small/minor formaldehyde spills, clean surfaces with cold water at least two times. If paper towels are used, place the used towels into a plastic bag and seal the bag. Formalin solutions should be neutralized with appropriate formaldehyde neutralizer, and cleaned by trained employees within 15 minutes of discovery. Dispose of any non-neutralized, contaminated clean up materials as hazardous waste.

C. For major spills, refer to section II.

IV. Reporting different types of spills:

Type of spill	Reporting requirements	Required contacts
Oil and hazardous substance spills to water	Report immediately • Washington Emergency Management Division at 1-800-258-5990 • The National Response Center at 1-800-424-8802	• The National Response Center at 1-800-424-8802 • Washington Emergency Management Division at 1-800-258-5990
Release of hazardous or extremely hazardous substance	Report immediately • Washington Emergency Management Division at 1-800-258-5990 • The National Response Center at 1-800-424-8802	• The State Emergency Response Commission (SERC) at 1-800-258-5990 • Your Local Emergency Planning Committee (LEPC) https://ecology.wa.gov/Regulations-Permits/Reporting-requirements/Emergency-Planning-Community-Right-to-Know-Act/Local-Emergency-Planning-Committees • The National Response Center at 1-800-424-8802
Dangerous waste	Report immediately • Washington Emergency Management Division at 1-800-258-5990 • The National Response Center at 1-800-424-8802	• Call 911 • Notify the appropriate Ecology regional office (1-800-645-7911)
Leaking underground storage tanks	Report within 24 hours • Washington Emergency Management Division at 1-800-258-5990 • The National Response Center at 1-800-424-8802	• Notify the appropriate Ecology regional office (1-800-645-7911)
Oil spills to ground	• Report within 90	• Notify the appropriate

	days.	Ecology regional office (1-800-645-7911)
Spills to air	• Report within 90 days.	• Notify the appropriate Ecology regional office (1-800-645-7911)

V. Definitions

1. Hazmat First Responders at the awareness level are individuals who are likely to witness or discover a hazardous substance release, and have been trained to initiate an emergency response sequence by notifying the proper authorities of the release. They would take no further action beyond notifying the authorities.
2. Hazmat First Responder Operations level are individuals who respond to releases or potential releases of hazardous substances as part of the initial response with the purpose of protecting nearby persons, property, or the environment from the effects of the release. They are trained to respond in a defensive fashion without trying to stop the release. Their function is to contain the release from a safe distance, keep it from spreading, and prevent exposures.
3. Hazmat Technicians are trained to respond to hazardous materials emergencies in an offensive fashion. Their primary role is to stop or control a spill or release by approaching the point of the release using specialized personal protective equipment (PPE). When they respond to chemical spills, Hazmat Technicians are typically members of Hazmat Teams, often referred to as Spill Response Teams or Emergency Response Teams. OSHA requires Hazardous Materials Technicians to have a minimum of 24 hours of training in accordance with section (q) of the HAZWOPER regulation. This training is also referred to as Hazmat Tech, Level III Responder, Industry Tech, or any combination of these terms.
4. HAZMAT Specialists respond to releases or potential releases of hazardous materials for controlling the release. They are more aggressive than first responders at the operations level in that they will approach the point of release to plug, patch, or otherwise stop the release of a hazardous materials substance. They are expected to use specialized chemical protective clothing and specialized control equipment. They are also specialists within certain designations that perform operations to contain, confine, or mitigate hazardous substances releases.
5. HAZMAT Incident Commander assumes control of the on-the-ground emergency response to a hazardous materials incident. They report to the Hospital Incident Command Operations Section Chief. They assess hazards, manage risk, comply with legal requirements, and implement protective actions. A person certified at the Hazardous Material Incident Commander level will have demonstrated competency in the necessary knowledge and skills, to assume responsibility and make decisions relating to the management of a hazardous materials incident and shall meet the competencies at the awareness and operations level. This will typically be led by the responding Fire Department or the Contracted Hazardous Waste Emergency Response Team.
6. Hazardous Waste is defined if it is specifically listed as a known hazardous

	waste or meets the characteristics of a hazardous waste. Characteristic wastes are wastes that exhibit any one or more of the following characteristic properties: ignitability, corrosivity, reactivity or toxicity. 7. Hazardous Materials are any item or agent (biological, chemical, radiological, and/or physical), which has the potential to cause harm to humans, animals, or the environment, either by itself or through interaction with other factors. 8. Hazardous Drugs are drugs that are known to cause harm, which may or may not include *genotoxicity* (the ability to cause a change or mutation in genetic material). Genotoxicity might involve *carcinogenicity*, the ability to cause cancer in animal models, humans or both; *teratogenicity*, which is the ability to cause defects on fetal development or fetal malformation; and lastly hazardous drugs are known to have the potential to cause fertility impairment 9. Incidental Releases/Spills is a release of a hazardous substance which does not pose a significant safety or health hazard to employees in the immediate vicinity or to the worker cleaning it up, nor does it have the potential to become an emergency. Incidental spills do not require an emergency response, and may be cleaned up by employees working in the area where the spill occurred or by maintenance personnel. 10. Emergency Spill Response is conducted by employees outside of the immediate area of release or by other designated responders to an occurrence which results, or is likely to result, in an uncontrolled release of a hazardous substance.
	Related Policies: 1. MHS Decontamination Procedures (in development) 2. MHS Hazard Communication Program Policy 3. MHS Hazardous Material Handling Policy 4. MHS Formaldehyde Exposure Control Plan
	Appendix: Appendix A WA State WAC 296-824 Emergency Response
	Related Forms: 1. MHS Quality Assurance MeQim 2. MHS Employee Injury Report
	References: 1. Emergency Management Flipchart 2. 29 CFR 1910.120 Hazardous Waste Operations and Emergency Response 3. WAC 173-303-070 Designation of Dangerous Waste 4. WAC 296-824-30005 Train your Employees 5. WAC 296-824-50005 Recognize Emergencies & Initiate Response 6. Tacoma Pierce County Health Department, Solid Waste Management Plan, Infectious/Biomedical Waste, 9.10, 2000. 7. Joint Commission (JC), Applicable Standard
	Point of Contact: Director of Environmental Safety

Approval By:	***Date of Approval:***
Environment of Care Advisory Board	***12/16***
Quality Steering Council- Informational	***1/17***
Original Date:	04/02

Revision Dates: Reviewed with no Changes Dates:	04/06, 05/08; 09/09; 10/15;11/16; 11/19 *09/10; 08/11; 11/12*

- Removed Annex F from title 10/15
- Added location to scope 03/17
- Scope location updated. Approved at CMC MEC May, 2018 and QSSC 6/12/18 to apply to Covington Medical Center

Appendix A WA State WAC 296-824 Emergency Response

Table 1 Roles and Duties of Emergency Responders	
If the employee's role is:	**Then all of the following apply. They:**
First responder at the awareness level	• Are likely to witness or discover a hazardous substance release • Are trained to initiate an emergency response by notifying the proper authorities of the release • Take no further action beyond notifying the authorities
First responder at the operations level	• Respond to actual or potential releases in order to protect nearby persons, property, and/or the environment from the effects of the release • Are trained to respond defensively, without trying to stop the release • May try to: - Confine the release from a safe distance - Keep it from spreading - Protect others from hazardous exposures
Hazardous materials technician	• Respond to releases or potential releases, with the intent of stopping the release • Are trained to approach the point of release offensively in order to, either: - Plug - Patch - Stop the release using other methods
Hazardous materials specialist	• Respond along with, and provide support to, hazardous materials technicians • Are required to have more specific knowledge of hazardous substances than a hazardous materials technician • Act as the site activity liaison when federal, state, local, and other government authorities participate
Hazardous materials Incident Commander	• Have ultimate responsibility for: - Direction - Control - Coordination of the response effort - Will assume control of the incident beyond the first responder awareness level

Table 1 Roles and Duties of Emergency Responders	
If the employee's role is:	**Then all of the following apply. They:**
Specialist employee	• Are a technical, medical, environmental, or other type of expert • May represent a hazardous substance manufacturer, shipper, or a government agency • May be present at the scene or may assist from an off-site location • Regularly work with specific hazardous substances • Are trained in the hazards of specific substances • Are expected to give technical advice or assistance to the incident commander or incident safety officer, when requested
Skilled support personnel	• Are needed to perform an immediate, specific emergency support task at the site • Are skilled in the operation of equipment including: - Earth moving equipment - Cranes - Hoisting equipment
Incident safety officer	• Are designated by the incident commander • Are knowledgeable in operations being implemented at the site • Have specific responsibility to: - Identify and evaluate hazards - Provide direction on employee safety matters

Specified level of training for the different types of emergency responders

Table 2 Minimum Training Durations for All Responders	
If you are a:	**Then:**
First responder at the awareness level	Training duration needs to be sufficient to provide the required competencies
First responder at the operations level	You need a minimum of 8 hours training (see Table 3)
Hazardous materials technician	You need a minimum of 24 hours training (see Table 4)
Hazardous materials specialist	You need a minimum of 24 hours training (see Table 4)
Incident commander	You need a minimum of 24 hours training (see Table 5)

Competencies that First Responders are to be able to demonstrate:

Table 3 Competencies for First Responders at the Awareness Level and Operations Level		
Employees must be able to show they:		**When they are designated as First Responders at the:**
	Awareness	Operations Level
Understand what hazardous substances are and their associated risks.	X	X
Recognize the presence of hazardous substances in an emergency.	X	X
Can identify the hazardous substances, when possible.	X	X
Understand the potential consequences of hazardous substances in an emergency.	X	X
Understand the role of a first responder at the awareness level as described in: • The employer's emergency response plan, including site security and control. • The United States Department of Transportation's Emergency Response Guidebook. *(search at: http://www.dot.gov).*	X	X
Can use The United States Department of Transportation's ERG	X	X
Recognize the need for additional resources and	X	X

the need to notify the incident's communication center accordingly.		
Know basic hazard and risk assessment techniques.		X
Can select and use personal protective equipment (PPE) appropriate for first responder operations level.		X
Understand basic hazardous materials terms.		X
Can perform basic control, containment, and/or confinement operations within the capabilities of the resources and PPE available.		X
Can implement decontamination procedures to their level training.		X
Understand relevant standard operating and termination procedures.		X

Competencies required for Incident Commanders as well as specialist employees

Table 5 Competencies for Hazardous Materials Incident Commanders	
Employees designated as Hazardous Materials Incident Commanders must be able to show they:	
• Have competencies specified for the First Responder Operations Level. (See Table 3.)	
• Know of the state emergency response plan and the Federal Regional Response Team.	
• Can implement the local emergency response plan.	
• Can implement the employer's emergency response plan.	
• Have knowledge of the incident command system (ICS) and understand how they relate to it.	
• Can implement and/or support the employer's ICS.	
• Understand the hazards and risks associated with employees working in chemical protective clothing.	
• Understand the importance of decontamination procedures.	
Note:	*If the first employee arriving at the scene is not trained as an IC, they may take control of the incident within their designated role and training level.*

Table 6 Competencies for Specialist Employees
Employees designated as Specialist Employees must be able to show they:
• Have current knowledge in their field regarding safety and health practices relating to the specific hazardous substances.
• Have the knowledge of the ICS and understand how they relate to it.
• Understand the care and use of personal protective equipment (PPE).

FEDERAL WAY PERMITS

Building	Open
Sewer Connection	Open
Sewer ROW	Open
Water Connection	Open
Water ROW	Open
Sewer Disconnect	Closed
Demolition	Closed
Retaining Wall	Open
Electrical	Open
Temp Electric	Open
Fire Service	TBD
Med Gas	TBD
Fire Sprinkler	TBD

CF FEDERAL WAY LLC
29805 PACIFIC HWY S
FEDERAL WAY, WA 98003

Inquiry Number: 6082624.13S
JUNE 11, 2020

The EDR 1940 Chain of Title

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Chain of Title

The EDR Chain of Title Report tracks a line of successive owners from the present back to 1976 of a particular parcel of property, linked together by recorded transactions which pass title. Available nationwide, this report provides a summary of a property's ownership history and is a valuable source for determining the prior uses of a property.

A network of professional abstractors following established procedures, uses client supplied address information to locate:

• Historical Chain of Title research

NOTICE:

DUE TO COVID-19 CONTAINMENT PROTOCOL, THE COUNTY RECORDER OFFICE IS CLOSED FOR THE FORESEEABLE FUTURE. OWNERSHIP HISTORY, TO THE EXTENT DATA AND DOCUMENTS WERE AVAILABLE ONLINE, WAS REVIEWED AND DOCUMENTED IN THE REPORT BACK TO 1976. RESEARCH OF HARDCOPY, ORIGINAL DEEDS, AND OTHER DOCUMENTS BACK TO 1940 ARE NOT AVAILABLE NOR REASONABLY ASCERTAINABLE AT THIS TIME.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EDR Chain of Title

TARGET PROPERTY INFORMATION

ADDRESS

CF FEDERAL WAY LLC
29805 PACIFIC HWY S
FEDERAL WAY, WA 98003

RESEARCH SOURCE

SOURCE 1:	KING COUNTY RECORDER'S OFFICE
SOURCE 2:	KING COUNTY ASSESSOR'S OFFICE
EXAMINER'S NOTE:	PUBLIC RECORDS OF KING COUNTY, WA WERE SEARCHED FROM JANUARY 1, 1976 TO JUNE 10, 2020, AND NO OTHER DEEDS VESTING TITLE IN THE SUBJECT PROPERTY WERE FOUND OF RECORD DURING THE PERIOD SEARCHED. **NOTICE:** DUE TO COVID-19 CONTAINMENT PROTOCOL, THE RECORDER OFFICE IS CLOSED FOR THE FORESEEABLE FUTURE. PROPERTY AND/OR ENCUMBRANCE HISTORY, TO THE EXTENT DATA AND DOCUMENTS WERE AVAILABLE ONLINE, WAS REVIEWED AND DOCUMENTED IN THE REPORT BACK TO 1976. RESEARCH OF HARDCOPY, ORIGINAL DEEDS, AND RECORDED DOCUMENTS PRIOR TO THIS DATE ARE NOT AVAILABLE NOR REASONABLY ASCERTAINABLE AT THIS TIME.

PROPERTY DESCRIPTION

CURRENT OWNER:	NIKLEXI, LLC
LEGAL DESCRIPTION:	BEING POR SW 1/4 OF NW 1/4 OF SW 1/4 STR 04-21-04
PROPERTY IDENTIFIERS:	042104-9157 042104915709
GENERAL COMMENTS:	NA

HISTORICAL CHAIN OF TITLE

SEE EXHIBIT "A"

MISCELLANEOUS

SEE EXHIBIT "B"

EDR Chain of Title

CHAIN OF TITLE

EXHIBIT "A"

EDR Chain of Title

HISTORICAL CHAIN OF TITLE

PARCEL 042104-9157

CHAIN 1

TYPE OF DEED:	WARRANTY DEED
TITLE IS VESTED IN:	NIKLEXI, LLC
TITLE RECEIVED FROM:	RICHARD P. LARSON AND KAY A. LARSON
DATE EXECUTED:	11/29/2007
DATE RECORDED:	12/17/2007
BOOK:	NA
PAGE:	NA
VOLUME:	NA
INSTRUMENT #:	20071217001008
DOCKET:	NA
LAND RECORD COMMENTS:	NA

CHAIN 2

TYPE OF DEED:	WARRANTY DEED
TITLE IS VESTED IN:	RICHARD P. LARSON AND KAY A. LARSON
TITLE RECEIVED FROM:	SONG HWEE LEE AND KIL JA LEE
DATE EXECUTED:	05/31/2005
DATE RECORDED:	06/02/2005
BOOK:	NA
PAGE:	NA
VOLUME:	NA
INSTRUMENT #:	20050602001356
DOCKET:	NA
LAND RECORD COMMENTS:	NA

EDR Chain of Title

CHAIN 3

TYPE OF DEED:	WARRANTY DEED
TITLE IS VESTED IN:	SONG HWEE LEE AND KIL JA LEE
TITLE RECEIVED FROM:	AMERICAN DRUG STORES, INC
DATE EXECUTED:	12/30/2002
DATE RECORDED:	01/03/2003
BOOK:	NA
PAGE:	NA
VOLUME:	NA
INSTRUMENT #:	20030103001940
DOCKET:	NA
LAND RECORD COMMENTS:	NA

CHAIN 4

TYPE OF DEED:	FIDUCIARY DEED
TITLE IS VESTED IN:	AMERICAN DRUG STORES, INC
TITLE RECEIVED FROM:	UNION BANK OF CALIFORNIA TRUSTEE UNDER LIVING TRUST OF RUTH MURPHY EVANS
DATE EXECUTED:	08/06/2001
DATE RECORDED:	08/31/2001
BOOK:	NA
PAGE:	NA
VOLUME:	NA
INSTRUMENT #:	20010831001589
DOCKET:	NA
LAND RECORD COMMENTS:	NA

CHAIN 5

TYPE OF DEED:	QUIT CLAIM DEED
TITLE IS VESTED IN:	BANK OF CALIFORNIA TRUSTEE UNDER LIVING TRUST OF RUTH MURPHY EVANS
TITLE RECEIVED FROM:	RUTH MURPHY EVANS
DATE EXECUTED:	08/29/1985
DATE RECORDED:	08/30/1985
BOOK:	NA
PAGE:	NA
VOLUME:	NA
INSTRUMENT #:	8508301102
DOCKET:	NA
LAND RECORD COMMENTS:	SEARCHED BACK TO 1976. NO OTHER DEEDS LOCATED FOR PROPERTY.

EDR Chain of Title

EDR Chain of Title

MISCELLANEOUS

EXHIBIT "B"

EDR Chain of Title

MISCELLANEOUS

COMMENTS: LIMITED COUNTY ACCESS. NONE IDENTIFIED 1976 - PRESENT.

AFTER RECORDING MAIL TO:

NikLexi, LLC
c/o Curtis Nelson
627 E Francis Ave
Spokane, WA 99207

20071217001008
OLD REPUBLIC T WD 46.00
PAGE001 OF 007
12/17/2007 12:23
KING COUNTY, WA

Filed for Record at Request of:

E2324990
12/17/2007 12:20
KING COUNTY, WA
TAX $27,505.00
SALE $1,550,000.00 PAGE001 OF 001

STATUTORY WARRANTY DEED

THE GRANTOR(S) **Richard P. Larson and Kay A. Larson, husband and wife,** for and in consideration of Ten Dollars and other good and valuable considerations, $10.00 in hand paid, conveys, and warrants to **NikLexi, LLC, a Washington limited liability company,** the following described real estate, situated in the County of King, State of Washington:

See Exhibit A pages 2 & 3 for legal description, attached hereto and by this reference incorporated herein.

ORT-CS 260230

Abbreviated Legal Description: Portion of the Southwest quarter of Section 4, Township 21 North, Range 4 East, W.M. and as fully set forth under Exhibit 'A', at page 4.

SUBJECT TO: Easements, Reservations, Covenants, Conditions, Restrictions and Agreements of record. Subject to Exhibit B page 5 attached hereto and by this reference incorporated herein.

Assessor's Property Tax Parcel/Account Number: 042104-9033-09 and 042104-9157-09

LPB-10-05

ORDER NO. : 5226002210-C

EXHIBIT A

The land referred to is situated in the County of King, City of Federal Way, State of Washington, and is described as follows:

PARCEL A:

That portion of the Southwest quarter of Section 4, Township 21 North, Range 4 East, W.M., in King County, Washington, described as follows:

Beginning at a point 30 feet East of the Southwest corner of the Northwest quarter of the Northwest quarter of the Southwest quarter of said Section 4; running
THENCE North 89°45'51" East 234.86 feet to the West Marginal Line of Pacific Highway;
THENCE following the said Westerly marginal line North 1°41'56" West 235.00 feet, more or less, to the Southerly marginal line of National Park Highway;
THENCE following said Marginal Line on a curve, 240.00 feet, more or less, to a point 30.00 feet East of the West section line of said Section 4;
THENCE South 0°36'37" East, parallel to said Section Line 250.00 feet, more or less, to the Point of Beginning;

EXCEPT any portion thereof conveyed to King County for Road by Deed recorded under Recording No. 2501551.
AND EXCEPT that portion taken by the City of Federal Way under King County Superior Court Cause No. 06-2-01388-KNT.

PARCEL B:

The North 100 feet, as measured on the West line of the following described tract:

Beginning at a point 30 feet East and 329.91 feet North of the Southwest corner of the Northwest quarter of the Southeast quarter of Section 4, Township 21 North, Range 4 East, W.M., in King County, Washington;
THENCE East 241.13 feet, more or less, to the West line of Pacific Highway;
THENCE North along the West line of said Highway 329.57 feet;
THENCE West 234.86 feet to a point 30 feet East of the West line of the Northwest quarter of the Southwest quarter of said Section 4;
THENCE South 329.91 feet to the Point of Beginning;

The above Parcels A and B being described wholly and more particularly as follows:

Beginning at a point which lies South 58°31'14" East 39.00 feet and South 01°03'44" West 100.00 feet from the Southwest corner of the Northwest quarter of the Northwest quarter of the Southwest quarter of Section 4, Township 21 North, Range 4 East, W.M., in King County, Washington;
THENCE North 01°03'44" East along the East margin of 16th Avenue South 361.30 feet to the Southerly margin of Dash Point Road and the beginning of a non-tangent curve to the left,

along said Margin having a center point which bears North 39°36'59" East a distance of 189.15 feet;
THENCE Easterly along said Curve through a central angle of 61°18'05" arc distance of 202.37 feet to the Westerly margin of Auburn-Redondo Road (King County Road No. 1359);
THENCE South 28°25'23" East along said Margin 82.17 feet to the West margin of Pacific Highway South;
THENCE South 00°02'02" West 265.01 feet to a point which bears South 88°31'14" East from the Point of Beginning;
THENCE North 88°31'14" West 236.23 feet to the Point of Beginning.

EXCEPT that portion taken by the City of Federal Way under King County Superior Court Cause No. 06-2-01388-KNT.

BOTH SITUATE in the County of King, State of Washington

ABBREVIATED LEGAL

Portion of the Southwest quarter of Section 4, Township 21 North, Range 4 East, W.M.

Tax Account Nos. 042104-9033-09 and 042104-9157-09

EXHIBIT B

Terms and provisions as contained in an instrument,

Entitled	:	Notice of Additional Water or Sewer Facility Tap or Connection Charge
Recorded	:	May 12, 1989 in Official Records under Recording Number 8905120210

This Notice supersedes in its entirety the "Notice of Tap or Connection Charges pursuant to RCW 65.08.170" filed with King County, Washington under Recording No. 8106010916.

An easement affecting that portion of said land and for the purposes stated herein and incidental purposes as provided in the following

Granted To	:	The Pacific Telephone and Telegraph Company
For	:	The right to erect and maintain poles, with the necessary wires and fixtures
Recorded	:	December 11, 1926 in Book 1343 of Official Records, Page 25 under Recording Number 2279404
Affects	:	The description contained therein is not sufficient to determine its exact location within the property herein described

This easement being given in substitution for, and cancellation of, that certain easement between the part hereto, recorded in Volume 1236 of Deeds, page 23 of the records, in the office of the County Auditor of King County, Washington.

Agreement for	:	Release of Damage Agreement
Executed By	:	Ruth Ann Murphy
and Between	:	Lakehaven Sewer District

On the terms, covenants and conditions contained therein,

Recorded	:	November 21, 1979 in Official Records under Recording Number 7911210771

Releasing Lakehaven Sewer District from all future claims for damages resulting from permission to construct a side sewer to connect these premises

An easement affecting that portion of said land and for the purposes stated herein and incidental purposes as provided in the following

Granted To	:	City of Federal Way, a municipal corporation
For	:	Inspecting, constructing, excavating, installing, maintaining, restoring and repairing surface and storm water drainage facilities
Recorded	:	August 31, 1993 in Official Records under Recording Number 9308312475
Affects	:	Said Premises

The description contained therein is not sufficient to determine its exact location within the property herein described.

Terms and provisions as contained in an instrument,

Entitled	:	Matters disclosed by recital in Special Warranty Deed
Recorded	:	January 3, 2003 in Official Records under Recording Number 20030103001940

Which, among other things, provides: Set forth by Survey prepared by Bush Roed and Hitchings, Inc., dated July 27, 2001 under Job No. 2000326.00, as follows: A) Storm Drainage from Pacific Highway crosses Northeasterly portions of property as shown. B) Storm Drainage from Dash Point Road crosses Northerly portions of property as shown. C) Overhead power crosses Northerly portion of property, as shown.

An easement affecting that portion of said land and for the purposes stated herein and incidental purposes as provided in the following:

Condemned to: City of Federal Way
For: Slopes
Filed in King County Superior Court Cause No. 06-2-01388-KNT on April 6, 2006.

Terms and provisions as contained in an instrument,

Entitled	:	Consent Judgement and Decress of Appropriation (Larson - Parcels 55/56)
Executed By	:	Richard J. Larson and Kay A. Larson and the City of Federal Way
Dated	:	June 18, 2006
Recorded	:	June 26, 2007 in Official Records under Recording Number 20070626001067

Agreement for	:	Right of Entry
Executed By	:	Richard P. Larson and Kay A. Larson, husband and wife
and Between	:	City of Federal Way, a Washington municipal corporation

On the terms, covenants and conditions contained therein,

Dated	:	April 5, 2007
Recorded	:	October 4, 2007 in Official Records under Recording Number 20071004001261

Agreement for	:	Right of Entry
Executed By	:	Richard P. Larson and Kay A. Larson, husband and wife
and Between	:	City of Federal Way, a Washington municipal corporation

On the terms, covenants and conditions contained therein,

Dated	:	April 5, 2007
Recorded	:	October 4, 2007 in Official Records under Recording Number 20071004001262

Dated: 11/24/07

By _____
Richard P Larson

By _____
Kay A Larson

(Entity)

STATE OF _____)
)-ss
COUNTY OF _____)

I certify that I know or have satisfactory evidence that _____, (is/are) the person(s) who appeared before me, and said person(s) acknowledged that (he/she/they) signed this instrument, on oath stated that (he/she/they) (is/are) authorized to execute the instrument and acknowledged it as the _____ of _____ to be the free and voluntary act of such party(ies) for the uses and purposes mentioned in this instrument.

Dated: _____

_____
Notary Public in and for the state of _____
My appointment expires: _____

(Individual)

STATE OF WA)
)-ss
COUNTY OF King)

I certify that I know or have satisfactory evidence that Richard P Larson and Kay A. Larson, is the persons who appeared before me, and said persons acknowledged that they signed this instrument and acknowledged it to be their free and voluntary act for the uses and purposes mentioned in this instrument.

Dated: 11/29/07

SANDRA L. DUFFIN NOTARY PUBLIC STATE OF WASHINGTON COMMISSION EXPIRES 5-01-11

Name: Sandra L Duffin
Notary Public in and for the state of WA
My appointment expires: 5-1-11

LPB-10-05

CF Federal Way LLC
29805 Pacific Hwy S
FEDERAL WAY, WA 98003

Inquiry Number: 6082624.7
June 05, 2020

EDR Environmental Lien and AUL Search

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR Environmental Lien and AUL Search

The EDR Environmental Lien and AUL Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

29805 Pacific Hwy S
CF Federal Way LLC
FEDERAL WAY, WA 98003

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

AULs: Found ☐ Not Found ☒

RESEARCH SOURCE

Source 1:

King Recorder
King, WA

PROPERTY INFORMATION

Deed 1:

Type of Deed:	Statutory Warranty Deed
Title is vested in:	NikLexi LLC
Title received from:	Richard P Larson et al
Deed Dated	11/29/2007
Deed Recorded:	12/17/2007
Book:	NA
Page:	NA
Volume:	NA
Instrument:	20071217001008
Docket:	NA
Land Record Comments:	see exhibit
Miscellaneous Comments:	NA
Legal Description:	see exhibit
Legal Current Owner:	NikLexi LLC
Parcel # / Property Identifier:	0421049157
Comments:	see exhibit

Deed Exhibit 1

AFTER RECORDING MAIL TO:

NikLexi, LLC
c/o Curtis Nelson
627 E Francis Ave
Spokane, WA 99207

20071217001008
OLD REPUBLIC T WD 46.00
PAGE001 OF 007
12/17/2007 12:23
KING COUNTY, WA

Filed for Record at Request of:

E2324990
12/17/2007 12:20
KING COUNTY, WA
TAX $27,595.00
SALE $1,550,000.00 PAGE001 OF 001

Unofficial Copy

STATUTORY WARRANTY DEED

THE GRANTOR(S) **Richard P. Larson and Kay A. Larson, husband and wife,** for and in consideration of Ten Dollars and other good and valuable considerations, $10.00 in hand paid, conveys, and warrants to **NikLexi, LLC, a Washington limited liability company,** the following described real estate, situated in the County of King, State of Washington:

See Exhibit A pages 2 & 3 for legal description, attached hereto and by this reference incorporated herein.

ORT-CS 2602210

Abbreviated Legal Description: Portion of the Southwest quarter of Section 4, Township 21 North, Range 4 East, W.M. and as fully set forth under Exhibit 'A', at page 4.

SUBJECT TO: Easements, Reservations, Covenants, Conditions, Restrictions and Agreements of record. Subject to Exhibit B page 5 attached hereto and by this reference incorporated herein.

Assessor's Property Tax Parcel/Account Number: 042104-9033-09 and 042104-9157-09

ORDER NO. : 5226002210-C

EXHIBIT A

The land referred to is situated in the County of King, City of Federal Way, State of Washington, and is described as follows:

PARCEL A:

That portion of the Southwest quarter of Section 4, Township 21 North, Range 4 East, W.M., in King County, Washington, described as follows:

Beginning at a point 30 feet East of the Southwest corner of the Northwest quarter of the Northwest quarter of the Southwest quarter of said Section 4; running
THENCE North 89°45'51" East 234.86 feet to the West Marginal Line of Pacific Highway;
THENCE following the said Westerly marginal line North 1°41'56" West 235.00 feet, more or less, to the Southerly marginal line of National Park Highway;
THENCE following said Marginal Line on a curve, 240.00 feet, more or less, to a point 30.00 feet East of the West section line of said Section 4;
THENCE South 0°36'37" East, parallel to said Section Line 250.00 feet, more or less, to the Point of Beginning;

EXCEPT any portion thereof conveyed to King County for Road by Deed recorded under Recording No. 2501551.
AND EXCEPT that portion taken by the City of Federal Way under King County Superior Court Cause No. 06-2-01388-KNT.

PARCEL B:

The North 100 feet, as measured on the West line of the following described tract:

Beginning at a point 30 feet East and 329.91 feet North of the Southwest corner of the Northwest quarter of the Southeast quarter of Section 4, Township 21 North, Range 4 East, W.M., in King County, Washington;
THENCE East 241.13 feet, more or less, to the West line of Pacific Highway;
THENCE North along the West line of said Highway 329.57 feet;
THENCE West 234.86 feet to a point 30 feet East of the West line of the Northwest quarter of the Southwest quarter of said Section 4;
THENCE South 329.91 feet to the Point of Beginning;

The above Parcels A and B being described wholly and more particularly as follows:

Beginning at a point which lies South 58°31'14" East 39.00 feet and South 01°03'44" West 100.00 feet from the Southwest corner of the Northwest quarter of the Northwest quarter of the Southwest quarter of Section 4, Township 21 North, Range 4 East, W.M., in King County, Washington;
THENCE North 01°03'44" East along the East margin of 16th Avenue South 361.30 feet to the Southerly margin of Dash Point Road and the beginning of a non-tangent curve to the left,

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along said Margin having a center point which bears North 39°36'59" East a distance of 189.15 feet;
THENCE Easterly along said Curve through a central angle of 61°18'05" arc distance of 202.37 feet to the Westerly margin of Auburn-Redondo Road (King County Road No. 1359);
THENCE South 28°25'23" East along said Margin 82.17 feet to the West margin of Pacific Highway South;
THENCE South 00°02'02" West 265.01 feet to a point which bears South 88°31'14" East from the Point of Beginning;
THENCE North 88°31'14" West 236.23 feet to the Point of Beginning.

EXCEPT that portion taken by the City of Federal Way under King County Superior Court Cause No. 06-2-01388-KNT.

BOTH SITUATE in the County of King, State of Washington

ABBREVIATED LEGAL

Portion of the Southwest quarter of Section 4, Township 21 North, Range 4 East, W.M.

Tax Account Nos. 042104-9033-09 and 042104-9157-09

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EXHIBIT B

Terms and provisions as contained in an instrument,

Entitled	:	Notice of Additional Water or Sewer Facility Tap or Connection Charge
Recorded	:	May 12, 1989 in Official Records under Recording Number 8905120210

This Notice supersedes in its entirety the "Notice of Tap or Connection Charges pursuant to RCW 65.08.170" filed with King County, Washington under Recording No. 8106010916.

An easement affecting that portion of said land and for the purposes stated herein and incidental purposes as provided in the following

Granted To	:	The Pacific Telephone and Telegraph Company
For	:	The right to erect and maintain poles, with the necessary wires and fixtures
Recorded	:	December 11, 1926 in Book 1343 of Official Records, Page 25 under Recording Number 2279404
Affects	:	The description contained therein is not sufficient to determine its exact location within the property herein described

This easement being given in substitution for, and cancellation of, that certain easement between the part hereto, recorded in Volume 1236 of Deeds, page 23 of the records, in the office of the County Auditor of King County, Washington.

Agreement for	:	Release of Damage Agreement
Executed By	:	Ruth Ann Murphy
and Between	:	Lakehaven Sewer District

On the terms, covenants and conditions contained therein,

Recorded	:	November 21, 1979 in Official Records under Recording Number 7911210771

Releasing Lakehaven Sewer District from all future claims for damages resulting from permission to construct a side sewer to connect these premises

Office Copy

An easement affecting that portion of said land and for the purposes stated herein and incidental purposes as provided in the following

Granted To	:	City of Federal Way, a municipal corporation
For	:	Inspecting, constructing, excavating, installing, maintaining, restoring and repairing surface and storm water drainage facilities
Recorded	:	August 31, 1993 in Official Records under Recording Number 9308312475
Affects	:	Said Premises

The description contained therein is not sufficient to determine its exact location within the property herein described.

Terms and provisions as contained in an instrument,

Entitled	:	Matters disclosed by recital in Special Warranty Deed
Recorded	:	January 3, 2003 in Official Records under Recording Number 20030103001940

Which, among other things, provides: Set forth by Survey prepared by Bush Roed and Hitchings, Inc., dated July 27, 2001 under Job No. 2000326.00, as follows: A) Storm Drainage from Pacific Highway crosses Northeasterly portions of property as shown. B) Storm Drainage from Dash Point Road crosses Northerly portions of property as shown. C) Overhead power crosses Northerly portion of property, as shown.

An easement affecting that portion of said land and for the purposes stated herein and incidental purposes as provided in the following:

Condemned to: City of Federal Way
For: Slopes
Filed in King County Superior Court Cause No. 06-2-01388-KNT on April 6, 2006.

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Terms and provisions as contained in an instrument,

Entitled	:	Consent Judgement and Decress of Appropriation (Larson - Parcels 55/56)
Executed By	:	Richard J. Larson and Kay A. Larson and the City of Federal Way
Dated	:	June 18, 2006
Recorded	:	June 26, 2007 in Official Records under Recording Number 20070626001067

Agreement for	:	Right of Entry
Executed By	:	Richard P. Larson and Kay A. Larson, husband and wife
and Between	:	City of Federal Way, a Washington municipal corporation

On the terms, covenants and conditions contained therein,

Dated	:	April 5, 2007
Recorded	:	October 4, 2007 in Official Records under Recording Number 20071004001261

Agreement for	:	Right of Entry
Executed By	:	Richard P. Larson and Kay A. Larson, husband and wife
and Between	:	City of Federal Way, a Washington municipal corporation

On the terms, covenants and conditions contained therein,

Dated	:	April 5, 2007
Recorded	:	October 4, 2007 in Official Records under Recording Number 20071004001262

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Dated: 11/26/07

By _____
Richard P Larson

By _____
Kay A Larson

(Entity)

STATE OF _____)
)-ss
COUNTY OF _____)

I certify that I know or have satisfactory evidence that _____, (is/are) the person(s) who appeared before me, and said person(s) acknowledged that (he/she/they) signed this instrument, on oath stated that (he/she/they) (is/are) authorized to execute the instrument and acknowledged it as the _____ of _____ to be the free and voluntary act of such party(ies) for the uses and purposes mentioned in this instrument.

Dated: _____

_____
Notary Public in and for the state of _____
My appointment expires: _____

(Individual)

STATE OF Wa)
)-ss
COUNTY OF King)

I certify that I know or have satisfactory evidence that Richard P Larson and Kay A. Larson, is the persons who appeared before me, and said persons acknowledged that they signed this instrument and acknowledged it to be their free and voluntary act for the uses and purposes mentioned in this instrument.

Dated: 11/29/07

SANDRA L. DUFFIN NOTARY PUBLIC STATE OF WASHINGTON COMMISSION EXPIRES 5-01-11

_____
Name: SANDRA L DUFFIN
Notary Public in and for the state of Wa
My appointment expires: 5-1-11

LPB-10-05

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MISCELLANEOUS EXHIBITS

Cleanup Site Details

Cleanup Site ID: 5427

Cleanup Site ID: 5427 **Facility/Site ID:** 7222592 **UST ID:** 6523 Site Page | Site Documents | View Map

Cleanup Site Name: Payless Auto Mart Glossary

Alternate Names: Payless Auto, Payless Auto Mart, RENTAL MARTS, Ruth Evans Trust

LOCATION

Address: 29805 PACIFIC HWY S **City:** FEDERAL WAY **Zip Code:** 98003 **County:** King

Latitude: 47.33492 **Longitude:** -122.31275 **WRIA:** 9 **Legislative District:** 30 **Congressional District:** 9 **TRS:**

DETAIL

Status: Cleanup Started **NFA Received?** No **Is PSI site?** No

Statute: MTCA **NFA Date:** N/A **Current VCP?** Yes **Past VCP?** Yes

Site Rank: N/A **NFA Reason:** N/A **Brownfield?** No

Site Manager: Warfel, Michael **Responsible Unit:** Northwest **Active Institutional Control?** No

CLEANUP UNITS

Cleanup Unit Name	Unit Type	Unit Status	Resp Unit	Unit Manager	Current Process
Payless Auto Mart	Upland	Cleanup Started	NW	Warfel, Michael	Voluntary Cleanup Program

ACTIVE INSTITUTIONAL CONTROLS

Instrument Type	Restriction Media	Restrictions/Requirements	Date	Recording Number	Recording County	Tax Parcel
There are no current Institutional Controls in effect for this site.						

AFFECTED MEDIA & CONTAMINANTS

	MEDIA					
Contaminant	**Soil**	**Groundwater**	**Surface Water**	**Sediment**	**Air**	**Bedrock**
Petroleum-Diesel	C					
Petroleum-Other	C					

Key:
B - Below Cleanup Level C - Confirmed Above Cleanup Level RA - Remediated-Above
S - Suspected R - Remediated RB - Remediated-Below

SITE ACTIVITIES

Activity	Status	Start Date	End Date/ Completion Date
LUST - Report Received	Completed		7/26/1993
LUST - Report Received	Completed		7/26/1993
LUST - Notification	Completed		8/26/1993
LUST - Report Received	Completed		7/27/1994
LUST - Report Received	Completed		3/8/2001
VCP Opinion on Cleanup Action	Completed	3/13/2001	5/17/2001
Site Status Changed to NFA	Completed		5/17/2001
LUST - Report Received	Completed		4/16/2020
LUST - Report Received	Completed		4/16/2020

Cleanup Site Details

Cleanup Site ID: 5427

SITE ACTIVITIES

Activity	Status	Start Date	End Date/ Completion Date
LUST - Report Received	Completed		4/16/2020
LUST - Report Received	Completed		4/16/2020
LUST - Report Received	Completed		4/16/2020
Reopen Site	Completed		5/12/2020
VCP Opinion on Site Cleanup	In Process	5/14/2020	

CF Federal Way LLC
29805 Pacific Hwy S
FEDERAL WAY, WA 98003

Inquiry Number: 6082624.6
June 04, 2020

The EDR Property Tax Map Report

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR Property Tax Map Report

Environmental Data Resources, Inc.'s EDR Property Tax Map Report is designed to assist environmental professionals in evaluating potential environmental conditions on a target property by understanding property boundaries and other characteristics. The report includes a search of available property tax maps, which include information on boundaries for the target property and neighboring properties, addresses, parcel identification numbers, as well as other data typically used in property location and identification.

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SW 04-21-04

APPENDIX B

CF Federal Way LLC
29805 Pacific Hwy S
FEDERAL WAY, WA 98003

Inquiry Number: 6082624.2s
June 04, 2020

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

29805 PACIFIC HWY S
FEDERAL WAY, WA 98003

COORDINATES

Latitude (North):	47.3352340 - 47° 20' 6.84''
Longitude (West):	122.3127760 - 122° 18' 45.99''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	551920.4
UTM Y (Meters):	5242429.0
Elevation:	426 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	6005095 POVERTY BAY, WA
Version Date:	2014

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20150807
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
29805 PACIFIC HWY S
FEDERAL WAY, WA 98003

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	RENTAL MARTS	29805 PACIFIC HIGHWA	RGA LUST		TP
A2	FEDERAL WAY OFF-CAMP	29805 PACIFIC HWY S	LUST, ALLSITES, CSCSL NFA, ASBESTOS, NPDES		TP
A3	RENTAL MARTS	29805 PACIFIC HWY S	VCP		TP
A4	RENTAL MARTS	29805 PACIFIC	RGA LUST		TP
A5	RENTAL MARTS	29805 PACIFIC HWY S	FINDS		TP
A6	RENTAL MARTS	29805 PACIFIC HIGHWA	UST, ICR		TP
A7	KING CO REDONDO OIL	SR 509 & 16TH AVE S	SEMS-ARCHIVE	Higher	34, 0.006, NNW
B8	REDONDO OIL PIT KING	16TH AVE S & SW DASH	CSCSL, ALLSITES	Higher	49, 0.009, NNW
A9	JUMP S UNION	29625 S PACIFIC HWY	EDR Hist Auto	Higher	64, 0.012, NE
B10	WESTFAIR EXXON	1650 SW DASH POINT R	EDR Hist Auto	Lower	79, 0.015, North
B11	UNOCAL #6227	29625 PACIFIC HWY S.	ICR	Lower	218, 0.041, North
B12	FW SHELL & DELI MART	29625 PACIFIC HWY S	VCP	Lower	218, 0.041, North
B13	SHELL MINI MART	29625 PACIFIC HWY S	UST	Lower	218, 0.041, North
B14	JUMP S UNION	29625 S PACIFIC HWY	EDR Hist Auto	Lower	218, 0.041, North
B15	FW SHELL & DELI MART	29625 PACIFIC HWY S	LUST, ALLSITES, CSCSL NFA, ICIS, FINDS, ECHO	Lower	218, 0.041, North
C16	SACAJAWEA HEALTHCARE	1530 S DASH POINT RD	ALLSITES	Lower	322, 0.061, NNW
C17	MARINE HILL CLEANERS	1520 S DASH POINT RD	EDR Hist Cleaner	Lower	411, 0.078, NNW
18	KUMAR ESTATES	29808 18TH AVE S	ALLSITES, NPDES	Higher	487, 0.092, East
19	LAMBS GATE PRESBYTER	29850 18TH AVE S	ALLSITES	Higher	507, 0.096, SE
20	STORQUEST SELF STORA	29600 PACIFIC HWY SO	ALLSITES, NPDES	Higher	531, 0.101, NNE
21	AL HOLZ AUTO SERVICE	30402 PACIFIC HWY SO	UST, ALLSITES	Higher	1938, 0.367, South
22	13TH AVE S DRUG LAB	30320 13TH AVE S	ALLSITES, RCRA NonGen / NLR, FINDS, ECHO	Higher	1974, 0.374, SW
D23	SUDS N CLEAN	30405 PACIFIC HWY S	UST, ALLSITES	Higher	1980, 0.375, South
D24	KING CNTY PARKS FEDE	30421 16TH AVE S	ALLSITES, SPILLS	Higher	2028, 0.384, South
25	SOUND VIEW AUTOBODY	28872 PACIFIC HWY S	ALLSITES, RCRA NonGen / NLR, FINDS, ECHO	Higher	2212, 0.419, North
E26	SUSAN HARRANG	30509 PACIFIC HWY S	CSCSL, LUST, UST, ALLSITES	Higher	2287, 0.433, South
E27	OIL EXPRESS	30509 PACIFIC HWY S.	ICR	Higher	2287, 0.433, South
E28	FEDERAL WAY HIGH SCH	30611 16TH AVE S	CSCSL, LUST, ALLSITES, SPILLS, ASBESTOS	Higher	2317, 0.439, South
29	TEXACO 63-232-1486	28806 PACIFIC HWY S	CSCSL, LUST, UST, ALLSITES, SPILLS, MANIFEST	Higher	2665, 0.505, North
30	BREWER PROPERTY	29260 MILITARY RD S	CSCSL, ALLSITES	Lower	3382, 0.641, ENE
31	BUCKYS FEDERAL WAY	30924 PACIFIC HWY S	CSCSL, ALLSITES, RCRA NonGen / NLR, FINDS, ECHO,...	Higher	3738, 0.708, South
32	CHEVRON USA INC SS 9	28806 MILITARY RD S	CSCSL, LUST, UST, ICR, ALLSITES, RCRA NonGen /...	Higher	3776, 0.715, NE
33	NIEDERLE PROPERTY	455 S 305TH ST	HSL, CSCSL, ALLSITES, FINDS	Lower	4090, 0.775, SW
34	CONOCOPHILLIPS COMPA	28718 MILITARY RD	CSCSL, LUST, UST, ALLSITES	Higher	4139, 0.784, NE
35	COOK INVESTMENT BLDG	1400 S 312TH ST	CSCSL, ALLSITES, DRYCLEANERS	Higher	4462, 0.845, South
36	CHEVRON USA INC SS 9	31204 PACIFIC HWY S	CSCSL, LUST, UST, ALLSITES, RCRA NonGen / NLR,...	Higher	4533, 0.859, South

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
RENTAL MARTS 29805 PACIFIC HIGHWA FEDERAL WAY, WA	RGA LUST Facility ID: 4709 Facility ID: 6523 Facility ID: 6523.0	N/A
FEDERAL WAY OFF-CAMP 29805 PACIFIC HWY S FEDERAL WAY, WA 98003	LUST Database: LUST, Date of Government Version: 02/11/2020 Release Date: 08/26/1993 LUST Date: 05/17/2001 Facility Status: LUST - NFA Cleanup Site ID: 5427 Soil: Confirmed Above Cleanup Levels Facility ID: 7222592 ALLSITES Facility Id: 7222592 Facility Id: 53270 CSCSL NFA CS Id: 5427 Facility/Site Id: 7222592 Soil: Confirmed Above Cleanup Levels NFA Date: 05/17/2001 Contaminant Name: Petroleum-Diesel Contaminant Name: Petroleum-Other ASBESTOS NPDES Permit ID: WAR307638	N/A
RENTAL MARTS 29805 PACIFIC HWY S FEDERAL WAY, WA 98003	VCP Date NFA: 2001-05-17 VCP: NFA Facility ID: 7222592 Date NFA: 2001-05-17 VCP: NFA Cleanup Siteid: 5427	N/A
RENTAL MARTS 29805 PACIFIC FEDERAL WAY, WA	RGA LUST Facility ID: 6523	N/A
RENTAL MARTS 29805 PACIFIC HWY S FEDERAL WAY, WA 98003	FINDS	N/A

EXECUTIVE SUMMARY

Registry ID:: 110015540388

RENTAL MARTS
29805 PACIFIC HIGHWA
FEDERAL WAY, WA 98003

UST
Facility ID: 7222592
Tank Status: Closed in Place
Tank Status: Removed
Site Id: 6523

N/A

ICR
Contaminants Found at Site: 6
Type of Report Ecology Received: F
Date Ecology Received Report: 08/26/93
Date Ecology Received Report: 06/27/94
Media Contaminated: S

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY ---------- Federal Facility Site Information listing
SEMS ---------- Superfund Enterprise Management System

Federal RCRA CORRACTS facilities list

CORRACTS ---------- Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG ---------- RCRA - Large Quantity Generators

RCRA-SQG ---- RCRA - Small Quantity Generators
RCRA-VSQG ---- RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS ---- Land Use Control Information System
US ENG CONTROLS ---- Engineering Controls Sites List
US INST CONTROLS ---- Institutional Controls Sites List

Federal ERNS list

ERNS ---- Emergency Response Notification System

State and tribal landfill and/or solid waste disposal site lists

SWF/LF ---- Solid Waste Facility Database

State and tribal leaking storage tank lists

INDIAN LUST ---- Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST ---- Underground Storage Tank Listing
AST ---- Aboveground Storage Tank Locations
INDIAN UST ---- Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

INST CONTROL ---- Institutional Control Site List

State and tribal voluntary cleanup sites

INDIAN VCP ---- Voluntary Cleanup Priority Listing
PTAP ---- PTAP Site Listing

State and tribal Brownfields sites

BROWNFIELDS ---- Brownfields Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY ---- Recycling Facility List
SWTIRE ---- Solid Waste Tire Facilities
INDIAN ODI ---- Report on the Status of Open Dumps on Indian Lands
ODI ---- Open Dump Inventory
DEBRIS REGION 9 ---- Torres Martinez Reservation Illegal Dump Site Locations

IHS OPEN DUMPS - Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL - Delisted National Clandestine Laboratory Register
CDL - Clandestine Drug Lab Contaminated Site List
HIST CDL - List of Sites Contaminated by Clandestine Drug Labs
US CDL - National Clandestine Laboratory Register
PFAS - PFAS Contamination Site Location Listing
AQUEOUS FOAM - Firefighting Foam Incidents

Local Land Records

LIENS 2 - CERCLA Lien Information

Records of Emergency Release Reports

HMIRS - Hazardous Materials Information Reporting System
SPILLS - Reported Spills
SPILLS 90 - SPILLS 90 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR - RCRA - Non Generators / No Longer Regulated
FUDS - Formerly Used Defense Sites
DOD - Department of Defense Sites
SCRD DRYCLEANERS - State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR - Financial Assurance Information
EPA WATCH LIST - EPA WATCH LIST
2020 COR ACTION - 2020 Corrective Action Program List
TSCA - Toxic Substances Control Act
TRIS - Toxic Chemical Release Inventory System
SSTS - Section 7 Tracking Systems
ROD - Records Of Decision
RMP - Risk Management Plans
RAATS - RCRA Administrative Action Tracking System
PRP - Potentially Responsible Parties
PADS - PCB Activity Database System
ICIS - Integrated Compliance Information System
FTTS - FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS - Material Licensing Tracking System
COAL ASH DOE - Steam-Electric Plant Operation Data
COAL ASH EPA - Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER - PCB Transformer Registration Database
RADINFO - Radiation Information Database
HIST FTTS - FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS - Incident and Accident Data
CONSENT - Superfund (CERCLA) Consent Decrees
INDIAN RESERV - Indian Reservations
FUSRAP - Formerly Utilized Sites Remedial Action Program
UMTRA - Uranium Mill Tailings Sites
LEAD SMELTERS - Lead Smelter Sites
US AIRS - Aerometric Information Retrieval System Facility Subsystem
US MINES - Mines Master Index File

EXECUTIVE SUMMARY

ABANDONED MINES---- Abandoned Mines
ECHO---- Enforcement & Compliance History Information
UXO---- Unexploded Ordnance Sites
DOCKET HWC---- Hazardous Waste Compliance Docket Listing
FUELS PROGRAM---- EPA Fuels Program Registered Listing
AIRS---- Washington Emissions Data System
COAL ASH---- Coal Ash Disposal Site Listing
DRYCLEANERS---- Drycleaner List
Financial Assurance---- Financial Assurance Information Listing
Inactive Drycleaners---- Inactive Drycleaners
MANIFEST---- Hazardous Waste Manifest Data
UIC---- Underground Injection Wells Listing
MINES MRDS---- Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP---- EDR Proprietary Manufactured Gas Plants

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS---- Recovered Government Archive State Hazardous Waste Facilities List
RGA LF---- Recovered Government Archive Solid Waste Facilities List

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has

determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 04/27/2020 has revealed that there is 1 SEMS-ARCHIVE site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
KING CO REDONDO OIL Site ID: 1001214 EPA Id: WAD981771561	SR 509 & 16TH AVE S	NNW 0 - 1/8 (0.006 mi.)	A7	19

State- and tribal - equivalent NPL

HSL: The Hazardous Sites List is a subset of the CSCSL Report. It includes sites which have been assessed and ranked using the Washington Ranking Method (WARM).

A review of the HSL list, as provided by EDR, and dated 02/26/2020 has revealed that there is 1 HSL site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
NIEDERLE PROPERTY Facility Type: Hazardous Sites List FSID Number: 2579 Facility Status: Awaiting Cleanup	***455 S 305TH ST***	***SW 1/2 - 1 (0.775 mi.)***	***33***	***107***

State- and tribal - equivalent CERCLIS

CSCSL: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Ecology's Confirmed & Suspected Contaminated Sites List.

A review of the CSCSL list, as provided by EDR, and dated 01/14/2020 has revealed that there are 11 CSCSL sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
REDONDO OIL PIT KING Site Status: Awaiting Cleanup Clean Up Siteid: 1242 Facility ID: 2200 Soil: Suspected Ground Water: Suspected Contaminant Name: Petroleum Products-Unspecified Contaminant Name: Polycyclic Aromatic Hydrocarbons	***16TH AVE S & SW DASH***	***NNW 0 - 1/8 (0.009 mi.)***	***B8***	***20***
SUSAN HARRANG	***30509 PACIFIC HWY S***	***S 1/4 - 1/2 (0.433 mi.)***	***E26***	***47***

Site Status: Cleanup Started
Clean Up Siteid: 7916
Facility ID: 11893824
Soil: Confirmed Above Cleanup Levels
Contaminant Name: Petroleum-Other

FEDERAL WAY HIGH SCH ***30611 16TH AVE S*** ***S 1/4 - 1/2 (0.439 mi.)*** ***E28*** ***51***
Site Status: Awaiting Cleanup
Clean Up Siteid: 12869
Facility ID: 61228121
Soil: Confirmed Above Cleanup Levels
Contaminant Name: Petroleum-Diesel
Contaminant Name: Petroleum-Gasoline

TEXACO 63-232-1486 ***28806 PACIFIC HWY S*** ***N 1/2 - 1 (0.505 mi.)*** ***29*** ***75***
Site Status: Cleanup Started
Clean Up Siteid: 8538
Facility ID: 27316879
Soil: Confirmed Above Cleanup Levels
Contaminant Name: Petroleum-Diesel
Contaminant Name: Petroleum-Gasoline

BUCKYS FEDERAL WAY ***30924 PACIFIC HWY S*** ***S 1/2 - 1 (0.708 mi.)*** ***31*** ***88***
Site Status: Cleanup Started
Clean Up Siteid: 14588
Facility ID: 48858765
Soil: Confirmed Above Cleanup Levels
Contaminant Name: Petroleum-Diesel
Contaminant Name: Petroleum-Gasoline

CHEVRON USA INC SS 9 ***28806 MILITARY RD S*** ***NE 1/2 - 1 (0.715 mi.)*** ***32*** ***93***
Site Status: Cleanup Started
Clean Up Siteid: 5951
Facility ID: 36449927
Soil: Confirmed Above Cleanup Levels
Ground Water: Confirmed Above Cleanup Levels
Contaminant Name: Benzene
Contaminant Name: Lead
Contaminant Name: Non-Halogenated Solvents
Contaminant Name: Petroleum-Diesel
Contaminant Name: Petroleum-Gasoline

CONOCOPHILLIPS COMPA ***28718 MILITARY RD*** ***NE 1/2 - 1 (0.784 mi.)*** ***34*** ***109***
Site Status: Cleanup Started
Clean Up Siteid: 10028
Facility ID: 64882187
Soil: Confirmed Above Cleanup Levels
Ground Water: Confirmed Above Cleanup Levels
Contaminant Name: Benzene
Contaminant Name: Petroleum-Gasoline

COOK INVESTMENT BLDG ***1400 S 312TH ST*** ***S 1/2 - 1 (0.845 mi.)*** ***35*** ***117***
Site Status: Awaiting Cleanup
Clean Up Siteid: 4491
Facility ID: 2178787
Soil: Confirmed Above Cleanup Levels
Contaminant Name: Halogenated Organics
Contaminant Name: Non-Halogenated Solvents
Contaminant Name: Petroleum Products-Unspecified

CHEVRON USA INC SS 9 ***31204 PACIFIC HWY S*** ***S 1/2 - 1 (0.859 mi.)*** ***36*** ***120***

Site Status: Cleanup Started
Clean Up Siteid: 6626
Facility ID: 75488972
Soil: Confirmed Above Cleanup Levels
Ground Water: Confirmed Above Cleanup Levels
Contaminant Name: Benzene
Contaminant Name: Lead
Contaminant Name: Non-Halogenated Solvents
Contaminant Name: Petroleum-Diesel
Contaminant Name: Petroleum-Gasoline
**Additional key fields are available in the Map Findings section*

Lower Elevation	Address	Direction / Distance	Map ID	Page
BREWER PROPERTY	***29260 MILITARY RD S***	***ENE 1/2 - 1 (0.641 mi.)***	***30***	***87***
Site Status: Awaiting Cleanup Clean Up Siteid: 245 Facility ID: 3641376 Soil: Suspected Contaminant Name: Halogenated Organics				
NIEDERLE PROPERTY	***455 S 305TH ST***	***SW 1/2 - 1 (0.775 mi.)***	***33***	***107***
Site Status: Awaiting Cleanup Clean Up Siteid: 297 Facility ID: 2579 Soil: Suspected Soil: Confirmed Above Cleanup Levels Ground Water: Suspected Contaminant Name: Conventional Contaminants, Organic Contaminant Name: Metals Priority Pollutants Contaminant Name: Petroleum Products-Unspecified				

State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Ecology's Leaking Underground Storage Tanks Site List.

A review of the LUST list, as provided by EDR, has revealed that there are 3 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SUSAN HARRANG	***30509 PACIFIC HWY S***	***S 1/4 - 1/2 (0.433 mi.)***	***E26***	***47***
Database: LUST, Date of Government Version: 02/11/2020 Release Date: 07/27/1999 LUST Date: 06/23/1999 Facility Status: LUST - Cleanup Started Cleanup Site ID: 7916 Soil: Confirmed Above Cleanup Levels Facility ID: 11893824				
FEDERAL WAY HIGH SCH	***30611 16TH AVE S***	***S 1/4 - 1/2 (0.439 mi.)***	***E28***	***51***
Database: LUST, Date of Government Version: 02/11/2020				

Release Date: 02/17/2015
LUST Date: 02/17/2015
Facility Status: LUST - Awaiting Cleanup
Cleanup Site ID: 12869
Soil: Confirmed Above Cleanup Levels
Facility ID: 61228121

Lower Elevation	Address	Direction / Distance	Map ID	Page
FW SHELL & DELI MART	***29625 PACIFIC HWY S***	***N 0 - 1/8 (0.041 mi.)***	***B15***	***28***

Database: LUST, Date of Government Version: 02/11/2020
Release Date: 11/22/1989
LUST Date: 01/28/2006
Facility Status: LUST - NFA
Ground Water: Below Cleanup Levels
Cleanup Site ID: 6688
Soil: Confirmed Above Cleanup Levels
Facility ID: 79813564

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Ecology's Statewide UST Site/Tank Report.

A review of the UST list, as provided by EDR, and dated 02/11/2020 has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SHELL MINI MART	29625 PACIFIC HWY S	N 0 - 1/8 (0.041 mi.)	B13	24

Facility ID: 79813564
Tank Status: Operational
Tank Status: Removed
Site Id: 8504

State and tribal voluntary cleanup sites

VCP: Sites that have entered either the Voluntary Cleanup Program or its predecessor Independent Remedial Action Program.

A review of the VCP list, as provided by EDR, and dated 01/14/2020 has revealed that there is 1 VCP site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
FW SHELL & DELI MART	29625 PACIFIC HWY S	N 0 - 1/8 (0.041 mi.)	B12	22

Date NFA: 2006-01-27
VCP: NFA
Facility ID: 79813564
Date NFA: 2006-01-27

VCP: NFA
Cleanup Siteid: 6688

ICR: These are remedial action reports Ecology has received from either the owner or operator of the site. These actions have been conducted without department oversight or approval and are not under an order or decree.

A review of the ICR list, as provided by EDR, and dated 12/01/2002 has revealed that there are 2 ICR sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
OIL EXPRESS Contaminants Found at Site: 6 Type of Report Ecology Received: I Date Ecology Received Report: 08/06/99 Media Contaminated: S	30509 PACIFIC HWY S.	S 1/4 - 1/2 (0.433 mi.)	E27	51

Lower Elevation	Address	Direction / Distance	Map ID	Page
UNOCAL #6227 Contaminants Found at Site: 6 Type of Report Ecology Received: I Date Ecology Received Report: 01/22/91 Date Ecology Received Report: 04/12/91 Media Contaminated: S	29625 PACIFIC HWY S.	N 0 - 1/8 (0.041 mi.)	B11	22

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

ALLSITES: Information on facilities and sites of interest to the Department of Ecology.

A review of the ALLSITES list, as provided by EDR, and dated 01/28/2020 has revealed that there are 13 ALLSITES sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
REDONDO OIL PIT KING Facility Id: 2200	***16TH AVE S & SW DASH***	***NNW 0 - 1/8 (0.009 mi.)***	***B8***	***20***
KUMAR ESTATES Facility Id: 45809	***29808 18TH AVE S***	***E 0 - 1/8 (0.092 mi.)***	***18***	***35***
LAMBS GATE PRESBYTER Facility Id: 21327	29850 18TH AVE S	SE 0 - 1/8 (0.096 mi.)	19	35
STORQUEST SELF STORA Facility Id: 21872	***29600 PACIFIC HWY SO***	***NNE 0 - 1/8 (0.101 mi.)***	***20***	***36***
AL HOLZ AUTO SERVICE Facility Id: 5123364	***30402 PACIFIC HWY SO***	***S 1/4 - 1/2 (0.367 mi.)***	***21***	***37***
13TH AVE S DRUG LAB	***30320 13TH AVE S***	***SW 1/4 - 1/2 (0.374 mi.)***	***22***	***39***

Facility Id: 83794384

SUDS N CLEAN Facility Id: 38472884	***30405 PACIFIC HWY S***	***S 1/4 - 1/2 (0.375 mi.)***	***D23***	***41***
KING CNTY PARKS FEDE Facility Id: 76798431	***30421 16TH AVE S***	***S 1/4 - 1/2 (0.384 mi.)***	***D24***	***43***
SOUND VIEW AUTOBODY Facility Id: 34342987	***28872 PACIFIC HWY S***	***N 1/4 - 1/2 (0.419 mi.)***	***25***	***44***
SUSAN HARRANG Facility Id: 11893824	***30509 PACIFIC HWY S***	***S 1/4 - 1/2 (0.433 mi.)***	***E26***	***47***
FEDERAL WAY HIGH SCH Facility Id: 61228121	***30611 16TH AVE S***	***S 1/4 - 1/2 (0.439 mi.)***	***E28***	***51***

Lower Elevation	Address	Direction / Distance	Map ID	Page
FW SHELL & DELI MART Facility Id: 79813564	***29625 PACIFIC HWY S***	***N 0 - 1/8 (0.041 mi.)***	***B15***	***28***
SACAJAWEA HEALTHCARE Facility Id: 18602	1530 S DASH POINT RD	NNW 0 - 1/8 (0.061 mi.)	C16	34

CSCSL NFA: The data set contains information about sites previously on the Confirmed and Suspected Contaminated Sites list that have received a No Further Action (NFA) determination. Because it is necessary to maintain historical records of sites that have been investigated and cleaned up, sites are not deleted from the database when cleanup activities are completed. Instead a No Further Action code is entered based upon the type of NFA determination the site received.

A review of the CSCSL NFA list, as provided by EDR, and dated 01/14/2020 has revealed that there is 1 CSCSL NFA site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
FW SHELL & DELI MART	***29625 PACIFIC HWY S***	***N 0 - 1/8 (0.041 mi.)***	***B15***	***28***

CS Id: 6688
Facility/Site Id: 79813564
Soil: Confirmed Above Cleanup Levels
NFA Date: 01/27/2006
Groundwater: Below Cleanup Levels
Contaminant Name: Lead
Contaminant Name: Petroleum Products-Unspecified
Contaminant Name: Petroleum-Gasoline
Contaminant Name: Petroleum-Other

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR

researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 3 EDR Hist Auto sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
JUMP S UNION	29625 S PACIFIC HWY	NE 0 - 1/8 (0.012 mi.)	A9	21

Lower Elevation	Address	Direction / Distance	Map ID	Page
WESTFAIR EXXON	1650 SW DASH POINT R	N 0 - 1/8 (0.015 mi.)	B10	21
JUMP S UNION	29625 S PACIFIC HWY	N 0 - 1/8 (0.041 mi.)	B14	28

EDR Hist Cleaner: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there is 1 EDR Hist Cleaner site within approximately 0.125 miles of the target property.

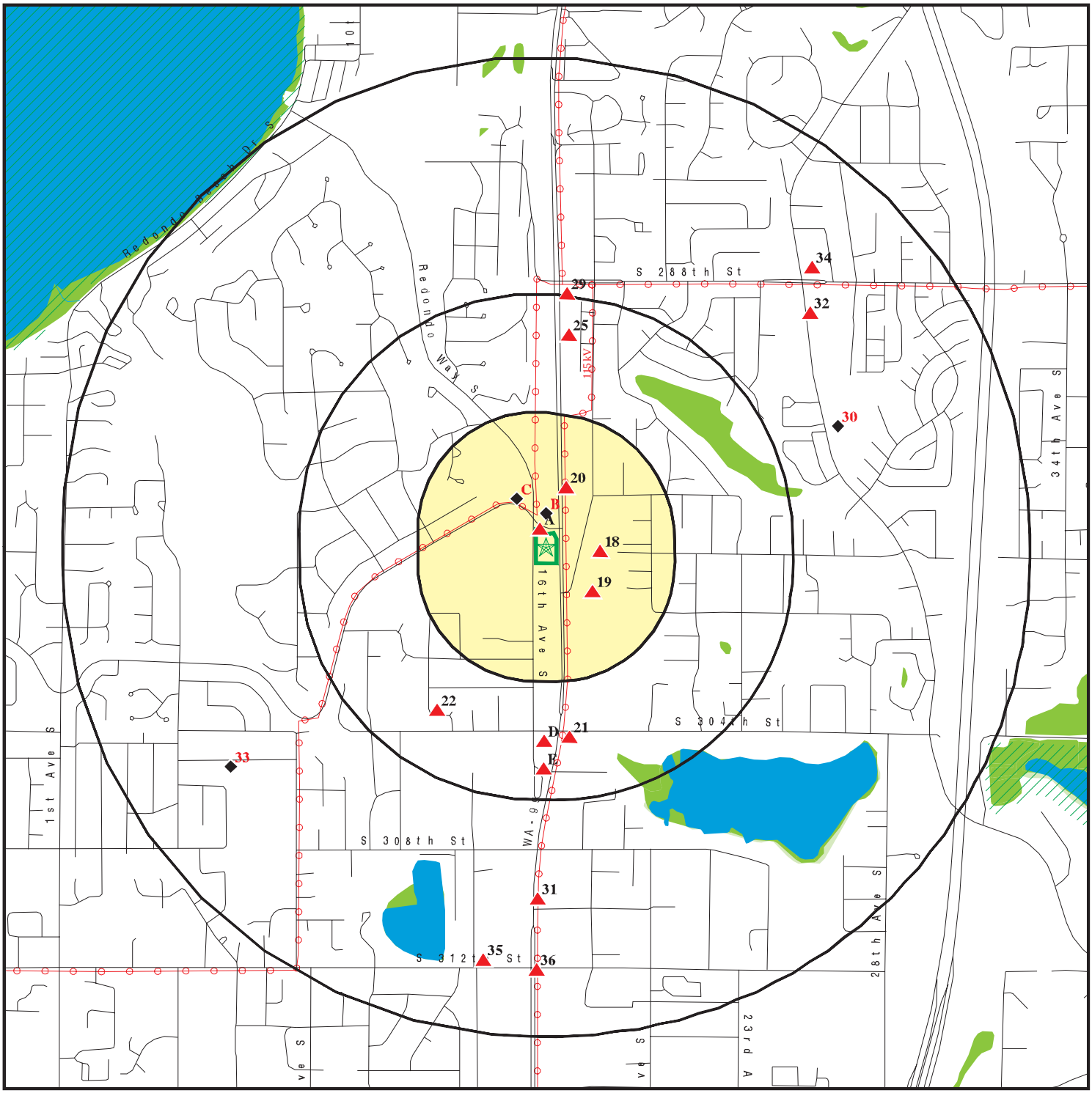
Lower Elevation	Address	Direction / Distance	Map ID	Page
MARINE HILL CLEANERS	1520 S DASH POINT RD	NNW 0 - 1/8 (0.078 mi.)	C17	34

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 7 records.

Site Name	Database(s)
NEFF FARM AUBURN	CSCSL, VCP, ALLSITES, ASBESTOS
STAFFORD MEADOWS	CSCSL, VCP, ALLSITES
LINDE CONTAINER	SEMS-ARCHIVE
FEDERAL WAY RADIATOR	SPILLS
BOEING - AUBURN GOVERNMENT CANAL	ICR
BOEING - BLDG. 17-15 - RINSEWATER	ICR
SHELL 121094	VCP

OVERVIEW MAP - 6082624.2S



0 1/4 1/2 1 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: CF Federal Way LLC	CLIENT: TGE Resources, Inc.
ADDRESS: 29805 Pacific Hwy S FEDERAL WAY WA 98003	CONTACT: Gwen Younts
LAT/LONG: 47.335234 / 122.312776	INQUIRY #: 6082624.2s DATE: June 04, 2020 1:33 pm

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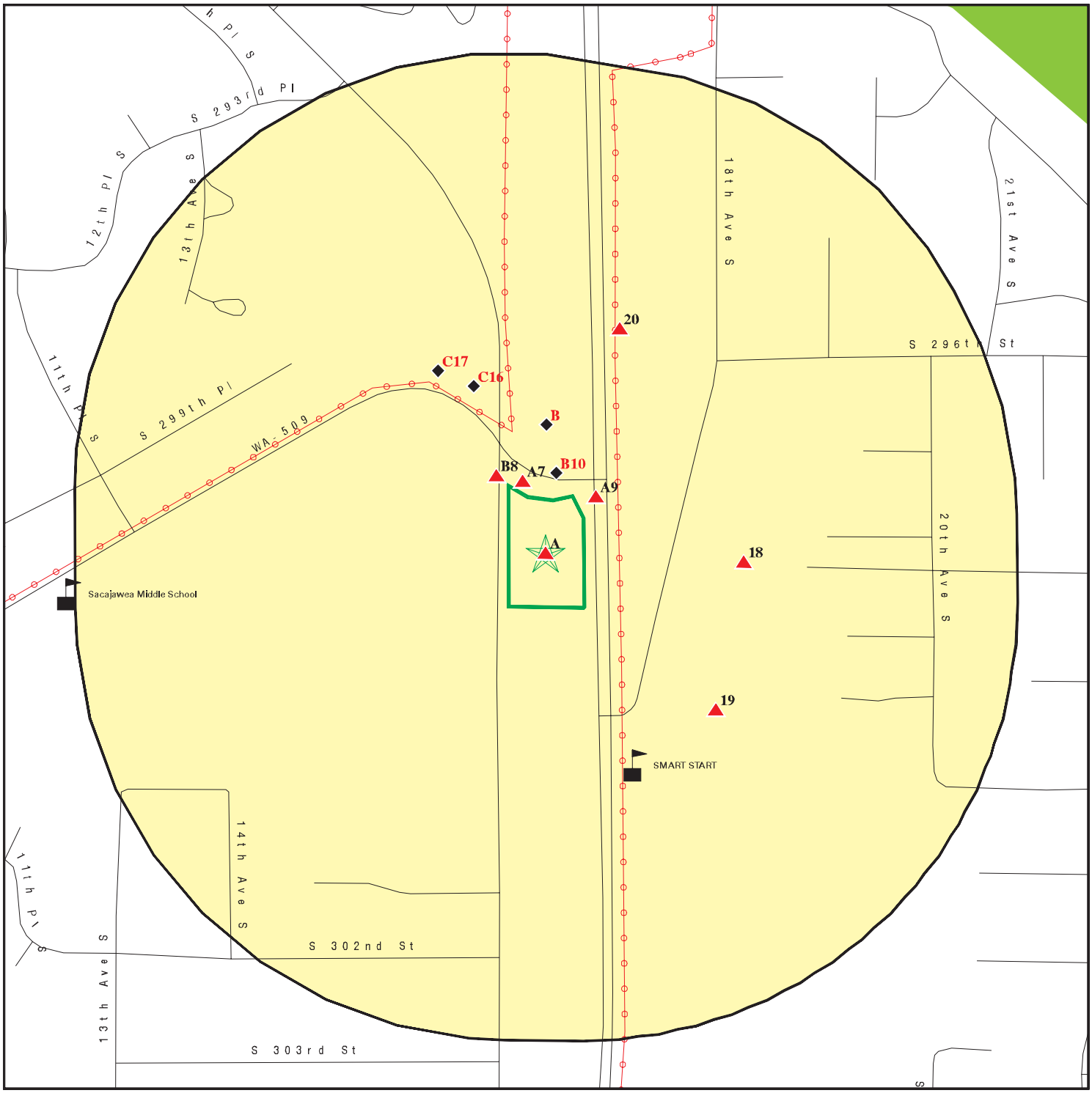
DETAIL MAP - 6082624.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: CF Federal Way LLC	CLIENT: TGE Resources, Inc.
ADDRESS: 29805 Pacific Hwy S FEDERAL WAY WA 98003	CONTACT: Gwen Younts
LAT/LONG: 47.335234 / 122.312776	INQUIRY #: 6082624.2s DATE: June 04, 2020 1:34 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		1	0	0	NR	NR	1
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
HSL	1.000		0	0	0	1	NR	1
State- and tribal - equivalent CERCLIS								
CSCSL	1.000		1	0	2	8	NR	11
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500	1	1	0	2	NR	NR	4

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250	1	1	0	NR	NR	NR	2
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
INST CONTROL	0.500		0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
VCP	0.500	1	1	0	0	NR	NR	2
INDIAN VCP	0.500		0	0	0	NR	NR	0
ICR	0.500	1	1	0	1	NR	NR	3
PTAP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
SWRCY	0.500		0	0	0	NR	NR	0
SWTIRE	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
ALLSITES	0.500	1	6	0	7	NR	NR	14
CDL	TP		NR	NR	NR	NR	NR	0
HIST CDL	TP		NR	NR	NR	NR	NR	0
CSCSL NFA	0.500	1	1	0	0	NR	NR	2
US CDL	TP		NR	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
AQUEOUS FOAM	0.500		0	0	0	NR	NR	0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SPILLS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP	1	NR	NR	NR	NR	NR	1
ECHO	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
ASBESTOS	TP	1	NR	NR	NR	NR	NR	1
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
Inactive Drycleaners	0.250		0	0	NR	NR	NR	0
MANIFEST	0.250		0	0	NR	NR	NR	0
NPDES	TP	1	NR	NR	NR	NR	NR	1
UIC	TP		NR	NR	NR	NR	NR	0
MINES MRDS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		3	NR	NR	NR	NR	3
EDR Hist Cleaner	0.125		1	NR	NR	NR	NR	1
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA HWS	TP		NR	NR	NR	NR	NR	0
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP	2	NR	NR	NR	NR	NR	2
- Totals --		11	17	0	12	9	0	49

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **RENTAL MARTS** **RGA LUST** **S115441734**
Target Property **29805 PACIFIC HIGHWAY S** **N/A**
FEDERAL WAY, WA

Site 1 of 8 in cluster A

Actual: 426 ft.

RGA LUST:

2006	RENTAL MARTS	29805 PACIFIC HIGHWAY S
2005	RENTAL MARTS	29805 PACIFIC HIGHWAY S
2004	RENTAL MARTS	29805 PACIFIC HIGHWAY S
2003	RENTAL MARTS	29805 PACIFIC HIGHWAY S
2002	RENTAL MARTS	29805 PACIFIC HIGHWAY S
2001	RENTAL MARTS	29805 PACIFIC HIGHWAY S
2000	RENTAL MARTS	29805 PACIFIC HIGHWAY S
1999	RENTAL MARTS	29805 PACIFIC HIGHWAY S
1998	RENTAL MARTS	29805 PACIFIC HIGHWAY S
1997	RENTAL MARTS	29805 PACIFIC HIGHWAY S
1995	RENTAL MARTS	29805 PACIFIC HIGHWAY S

A2 **FEDERAL WAY OFF-CAMPUS EMERGENCY CARE CE** **LUST** **S105612839**
Target Property **29805 PACIFIC HWY S** **ALLSITES** **N/A**
FEDERAL WAY, WA 98003 **CSCSL NFA**
ASBESTOS
NPDES

Site 2 of 8 in cluster A

Actual: 426 ft.

LUST:

Name:	RENTAL MARTS
Address:	29805 PACIFIC HWY S
City,State,Zip:	FEDERAL WAY, WA 98003
Facility ID:	7222592
Lust Status Type:	LUST - NFA
Cleanup Site ID:	5427
Cleanup Unit Type:	Not reported
Process Type:	Not reported
Cleanup Unit Name:	Ruth Evans Trust
Response Section:	Northwest
Release Date:	08/26/1993
Lust Date:	05/17/2001
Region:	Northwest
Lust ID:	2998
UST ID:	6523
Contaminant Name:	Petroleum-Diesel
Ground Water:	Not reported
Surface Water:	Not reported
Soil:	Confirmed Above Cleanup Levels
Sediment:	Not reported
Air:	Not reported
Bedrock:	Not reported
Lat/Long:	47.33495 / -122.31223

Name:	RENTAL MARTS
Address:	29805 PACIFIC HWY S
City,State,Zip:	FEDERAL WAY, WA 98003
Facility ID:	7222592
Lust Status Type:	LUST - NFA
Cleanup Site ID:	5427
Cleanup Unit Type:	Not reported
Process Type:	Not reported
Cleanup Unit Name:	Ruth Evans Trust
Response Section:	Northwest
Release Date:	08/26/1993

FEDERAL WAY OFF-CAMPUS EMERGENCY CARE CE (Continued) **S105612839**

Lust Date:	05/17/2001
Region:	Northwest
Lust ID:	2998
UST ID:	6523
Contaminant Name:	Petroleum-Other
Ground Water:	Not reported
Surface Water:	Not reported
Soil:	Confirmed Above Cleanup Levels
Sediment:	Not reported
Air:	Not reported
Bedrock:	Not reported
Lat/Long:	47.33495 / -122.31223

ALLSITES:

Name:	RENTAL MARTS
Facility Id:	7222592

Interaction:	20344
Interaction 1:	I
Interaction 2:	UST
Ecology Program:	TOXICS
Program Data:	UST
Facility Alt.:	Not reported
Program ID:	6523
Date Interaction:	2000-03-20 00:00:00
Date Interaction 3:	Underground Storage Tank
Latitude:	47.334944394700003
Longitude:	-122.312215173

Interaction:	20343
Interaction 1:	I
Interaction 2:	LUST
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	Not reported
Program ID:	6523
Date Interaction:	1993-08-26 00:00:00
Date Interaction 3:	LUST Facility
Latitude:	47.334944394700003
Longitude:	-122.312215173

Interaction:	20345
Interaction 1:	I
Interaction 2:	VOLCLNST
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	RENTAL MARTS
Program ID:	Not reported
Date Interaction:	2001-03-13 00:00:00
Date Interaction 3:	Voluntary Cleanup Sites
Latitude:	47.334944394700003
Longitude:	-122.312215173

Name:	FEDERAL WAY OFF CAMPUS EMERGENCY CARE CE

FEDERAL WAY OFF-CAMPUS EMERGENCY CARE CE (Continued) **S105612839**

Facility Id: 53270

CSCSL NFA:

Name:	RENTAL MARTS
Address:	29805 PACIFIC HWY S
City,State,Zip:	FEDERAL WAY, WA 98003
Facility/Site Id:	7222592
CS Id:	5427
NFA Date:	05/17/2001
Alternate Site Names:	Ruth Evans Trust
NFA Reason:	NFA-Voluntary Cleanup Program Review
Site Status:	NFA
Region:	Northwest
Contaminant Name:	Petroleum-Diesel
Ground Water:	Not reported
Surface Water:	Not reported
Soil:	Confirmed Above Cleanup Levels
Sediment:	Not reported
Air:	Not reported
Bedrock:	Not reported
Latitude:	47.33495
Longitude:	-122.31223

Name:	RENTAL MARTS
Address:	29805 PACIFIC HWY S
City,State,Zip:	FEDERAL WAY, WA 98003
Facility/Site Id:	7222592
CS Id:	5427
NFA Date:	05/17/2001
Alternate Site Names:	Ruth Evans Trust
NFA Reason:	NFA-Voluntary Cleanup Program Review
Site Status:	NFA
Region:	Northwest
Contaminant Name:	Petroleum-Other
Ground Water:	Not reported
Surface Water:	Not reported
Soil:	Confirmed Above Cleanup Levels
Sediment:	Not reported
Air:	Not reported
Bedrock:	Not reported
Latitude:	47.33495
Longitude:	-122.31223

ASBESTOS:

Name:	Not reported
Address:	29805 PACIFIC HWY S
City,State,Zip:	FEDERAL WAY, WA
Facility Type:	Not reported
Parent ID:	Not reported
Form ID:	154190#1593130402
Notice Date:	01/13/2020
Start Date:	01/27/2020
Completion Date:	05/29/2020
Initial:	Not reported
Amended:	Not reported
On Hold:	Not reported

FEDERAL WAY OFF-CAMPUS EMERGENCY CARE CE (Continued) **S105612839**

Off Hold:	Not reported
Emergency:	Not reported
Site Hours Start:	Not reported
Site Hours End:	Not reported
Sunday:	Not reported
Monday:	Not reported
Tuesday:	Not reported
Wednesday:	Not reported
Thursday:	Not reported
Friday:	Not reported
Saturday:	Not reported
Contractor ID:	Not reported
Phone:	Not reported
Job Site CAS:	Not reported
Project Form Email:	Not reported
Property Owner Name:	Not reported
Property Owner Agent:	Not reported
Property Owner Company:	CONSTRUCTION GROUP INTERNATION (WOODINVILLE) (ABCN00001411)
Property Owner Address:	Not reported
Property Owner City:	Not reported
Property Owner State:	Not reported
Property Owner Zip4:	Not reported
Property Owner Phone:	Not reported
Job Site Room:	Not reported
Facility Age:	Not reported
Facility Size:	Not reported
Facility Remodel:	Not reported
Facility Demo:	Not reported
Facility Repair:	Not reported
Facility Maint:	Not reported
Removed:	Not reported
Encapsulated:	Not reported
Quantity Sq Ft:	Not reported
Fireproofing:	Not reported
Popcorn Ceiling:	Not reported
CAB:	Not reported
Sheet Vinyl:	Not reported
Asbestos Paper:	Not reported
Boiler Insulation:	Not reported
Duct Paper:	Not reported
VAT:	Not reported
Roofing:	Not reported
Sq Ft Other:	Not reported
Sq Ft Other Text:	Not reported
Quantity Lin Ft:	Not reported
Mag Pipe Insulation:	Not reported
Air Cell Pipe Insulation:	Not reported
Ducting Insulation:	Not reported
Cement Asbestos Pipe:	Not reported
Mudded Pipe Insulation:	Not reported
Duct Tape:	Not reported
Lin Ft Other1:	Not reported
Lin Ft Other1 Text:	Not reported
Lin Ft Other2:	Not reported
Lin Ft Other2 Text:	Not reported
Indoors:	Not reported
Outdoors:	Not reported

FEDERAL WAY OFF-CAMPUS EMERGENCY CARE CE (Continued) **S105612839**

Neg Pres Enclosure:	Not reported
Glove Bag:	Not reported
Mini Enclosure:	Not reported
Critical Barriers:	Not reported
Wrap And Cut:	Not reported
Wet Methods:	Not reported
HEPA Vacuum:	Not reported
MANUALMETHODS :	Not reported
Other CM1:	Not reported
Other CM1 Text:	Not reported
Other CM2:	Not reported
Other CM2 Text:	Not reported
Half Mask APR:	Not reported
Full Face APR:	Not reported
PAPR:	Not reported
Type C Continuous:	Not reported
Type C Pressure:	Not reported
Other Resp Pro:	Not reported
Other Resp Pro Text:	Not reported
Comments:	Not reported
Date Time Submitted:	Not reported
Submitter IP Address:	Not reported
Region:	2
UBI:	602516973
Notice type:	Initial
Project Type:	Popcorn Ceiling, Wall Texture
Supervisor:	Ryan Makela (ABAS00003455)
Supervisor Phone:	Not reported
Certificate Status:	ACTIVE
Name:	Not reported
Address:	29805 PACIFIC HWY S
City,State,Zip:	FEDERAL WAY, WA
Facility Type:	Not reported
Parent ID:	Not reported
Form ID:	154190#1593130402
Notice Date:	01/10/2020
Start Date:	01/27/2020
Completion Date:	05/29/2020
Initial:	Not reported
Amended:	Not reported
On Hold:	Not reported
Off Hold:	Not reported
Emergency:	Not reported
Site Hours Start:	Not reported
Site Hours End:	Not reported
Sunday:	Not reported
Monday:	Not reported
Tuesday:	Not reported
Wednesday:	Not reported
Thursday:	Not reported
Friday:	Not reported
Saturday:	Not reported
Contractor ID:	Not reported
Phone:	Not reported
Job Site CAS:	Not reported
Project Form Email:	Not reported

FEDERAL WAY OFF-CAMPUS EMERGENCY CARE CE (Continued) **S105612839**

Property Owner Name:	Not reported
Property Owner Agent:	Not reported
Property Owner Company:	CONSTRUCTION GROUP INTERNATION (WOODINVILLE) (ABCN00001411)
Property Owner Address:	Not reported
Property Owner City:	Not reported
Property Owner State:	Not reported
Property Owner Zip4:	Not reported
Property Owner Phone:	Not reported
Job Site Room:	Not reported
Facility Age:	Not reported
Facility Size:	Not reported
Facility Remodel:	Not reported
Facility Demo:	Not reported
Facility Repair:	Not reported
Facility Maint:	Not reported
Removed:	Not reported
Encapsulated:	Not reported
Quantity Sq Ft:	Not reported
Fireproofing:	Not reported
Popcorn Ceiling:	Not reported
CAB:	Not reported
Sheet Vinyl:	Not reported
Asbestos Paper:	Not reported
Boiler Insulation:	Not reported
Duct Paper:	Not reported
VAT:	Not reported
Roofing:	Not reported
Sq Ft Other:	Not reported
Sq Ft Other Text:	Not reported
Quantity Lin Ft:	Not reported
Mag Pipe Insulation:	Not reported
Air Cell Pipe Insulation:	Not reported
Ducting Insulation:	Not reported
Cement Asbestos Pipe:	Not reported
Mudded Pipe Insulation:	Not reported
Duct Tape:	Not reported
Lin Ft Other1:	Not reported
Lin Ft Other1 Text:	Not reported
Lin Ft Other2:	Not reported
Lin Ft Other2 Text:	Not reported
Indoors:	Not reported
Outdoors:	Not reported
Neg Pres Enclosure:	Not reported
Glove Bag:	Not reported
Mini Enclosure:	Not reported
Critical Barriers:	Not reported
Wrap And Cut:	Not reported
Wet Methods:	Not reported
HEPA Vacuum:	Not reported
MANUALMETHODS :	Not reported
Other CM1:	Not reported
Other CM1 Text:	Not reported
Other CM2:	Not reported
Other CM2 Text:	Not reported
Half Mask APR:	Not reported
Full Face APR:	Not reported
PAPR:	Not reported

FEDERAL WAY OFF-CAMPUS EMERGENCY CARE CE (Continued) **S105612839**

Type C Continuous:	Not reported
Type C Pressure:	Not reported
Other Resp Pro:	Not reported
Other Resp Pro Text:	Not reported
Comments:	Not reported
Date Time Submitted:	Not reported
Submitter IP Address:	Not reported
Region:	2
UBI:	602516973
Notice type:	Initial
Project Type:	Popcorn Ceiling, Wall Texture
Supervisor:	Ryan Makela (ABAS00003455)
Supervisor Phone:	Not reported
Certificate Status:	ACTIVE

NPDES:

Name:	FEDERAL WAY OFF-CAMPUS EMERGENCY CARE CE
Address:	29805 PACIFIC HWY S
City,State,Zip:	FEDERAL WAY, WA 98003
Facility Status:	Not reported
Facility Type:	Construction SW GP
Admin Region:	Headqarters
Date Issued:	11/18/2015
Latitude:	Not reported
Longitude:	Not reported
Permit ID:	WAR307638
Permit Version:	Not reported
Permit Status:	Active
Permit SubStatus:	Not reported
Ecology Contact:	Not reported
WRIA:	Not reported
Permit Expiration Date:	12/31/2020
Effective Date:	03/06/2019
Days to Expiration:	-352

A3 **RENTAL MARTS** **VCP** **S124435678**
Target **29805 PACIFIC HWY S** **N/A**
Property **FEDERAL WAY, WA 98003**

Site 3 of 8 in cluster A

Actual:
426 ft.

VCP:

Name:	RENTAL MARTS
Address:	29805 PACIFIC HWY S
City,State,Zip:	FEDERAL WAY, WA 98003
edr_fstat:	WA
edr_fzip:	98003
edr_fcnty:	KING
edr_zip:	Not reported
Facility ID:	7222592
VCP Status:	Not reported
VCP:	NFA
Ecology Status:	Not reported
NFA Type:	Not reported
Date NFA:	2001-05-17
Rank:	Not reported
Cleanup Siteid:	5427

RENTAL MARTS (Continued) **S124435678**

Contaminant Name: Petroleum-Diesel
Soil: Confirmed Above Cleanup Levels

Name: RENTAL MARTS
Address: 29805 PACIFIC HWY S
City,State,Zip: FEDERAL WAY, WA 98003
edr_fstat: WA
edr_fzip: 98003
edr_fcnty: KING
edr_zip: Not reported
Facility ID: 7222592
VCP Status: Not reported
VCP: NFA
Ecology Status: Not reported
NFA Type: Not reported
Date NFA: 2001-05-17
Rank: Not reported
Cleanup Siteid: 5427
Contaminant Name: Petroleum-Other
Soil: Confirmed Above Cleanup Levels

A4 Target Property **RENTAL MARTS** **RGA LUST** **S115441735**
29805 PACIFIC **N/A**
FEDERAL WAY, WA

Site 4 of 8 in cluster A

Actual: 426 ft.

RGA LUST:

1996	RENTAL MARTS	29805 PACIFIC

A5 Target Property **RENTAL MARTS** **FINDS** **1007077364**
29805 PACIFIC HWY S **N/A**
FEDERAL WAY, WA 98003

Site 5 of 8 in cluster A

Actual: 426 ft.

FINDS:
Registry ID: 110015540388
Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110015540388

Environmental Interest/Information System:
Washington Facility / Site Identification System (WA-FSIS) provides a means to query and display data maintained by the Washington Department of Ecology. This system contains key information for each facility/site that is currently, or has been, of interest to the Air Quality, Dam Safety, Hazardous Waste, Toxics Cleanup, and Water Quality Programs.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A6 **RENTAL MARTS** **UST** **U003027794**
Target **29805 PACIFIC HIGHWAY S** **ICR** **N/A**
Property **FEDERAL WAY, WA 98003**

Site 6 of 8 in cluster A

Actual:
426 ft.

UST:

Name:	RENTAL MARTS
Address:	29805 PACIFIC HIGHWAY S
City:	FEDERAL WAY
Zip:	98003
Facility ID:	7222592
Site Id:	6523
UBI:	Not reported
Phone Number:	Not reported
Decimal Latitude:	47.33495
Decimal Longitude:	-122.31223
Tank Name:	1
Tag Number:	Not reported
Tank Status:	Removed
Tank Status Date:	08/06/1996
Tank Install Date:	12/31/1964
Tank Closure Date:	Not reported
Capacity Range:	111 TO 1,100 Gallons
Tank Permit Expiration Date:	Not reported
Tank Upgrade Date:	Not reported
Tank Spill Prevention:	None
Tank Overfill Prevention:	None
Tank Material:	Not reported
Tank Construction:	Single Wall Tank
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	None
Tank Manifold:	Not reported
Tank Release Detection:	Statistical Inventory Reconciliation
Tank SFC Type:	Not reported
Pipe Material:	Not reported
Pipe Construction:	Single Wall Pipe
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	None
Pipe Pumping System:	Not reported
Responsible Unit:	Northwest
Dispencer/Pump SFC Type:	Not reported
Name:	RENTAL MARTS
Address:	29805 PACIFIC HIGHWAY S
City:	FEDERAL WAY
Zip:	98003
Tank Name:	2
Tag Number:	Not reported
Tank Status:	Removed
Tank Status Date:	08/06/1996
Tank Install Date:	12/31/1964
Tank Closure Date:	Not reported
Capacity Range:	Not reported
Tank Permit Expiration Date:	Not reported
Tank Upgrade Date:	Not reported

RENTAL MARTS (Continued) **U003027794**

Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Not reported
Tank Construction:	Not reported
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Not reported
Tank Manifold:	Not reported
Tank Release Detection:	Not reported
Tank SFC Type:	Not reported
Pipe Material:	Not reported
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Pipe Pumping System:	Not reported
Responsible Unit:	Northwest
Dispencer/Pump SFC Type:	Not reported

Name:	RENTAL MARTS
Address:	29805 PACIFIC HIGHWAY S
City:	FEDERAL WAY
Zip:	98003

Tank Name:	3
Tag Number:	Not reported
Tank Status:	Closed in Place
Tank Status Date:	08/06/1996
Tank Install Date:	12/31/1964
Tank Closure Date:	Not reported
Capacity Range:	111 TO 1,100 Gallons
Tank Permit Expiration Date:	Not reported
Tank Upgrade Date:	Not reported
Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Not reported
Tank Construction:	Not reported
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Not reported
Tank Manifold:	Not reported
Tank Release Detection:	Not reported
Tank SFC Type:	Not reported
Pipe Material:	Not reported
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Pipe Pumping System:	Not reported
Responsible Unit:	Northwest
Dispencer/Pump SFC Type:	Not reported

Name:	RENTAL MARTS
Address:	29805 PACIFIC HIGHWAY S
City:	FEDERAL WAY
Zip:	98003

Tank Name:	4
Tag Number:	Not reported

RENTAL MARTS (Continued) **U003027794**

Tank Status:	Closed in Place
Tank Status Date:	08/06/1996
Tank Install Date:	12/31/1964
Tank Closure Date:	Not reported
Capacity Range:	Not reported
Tank Permit Expiration Date:	Not reported
Tank Upgrade Date:	Not reported
Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Not reported
Tank Construction:	Not reported
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Not reported
Tank Manifold:	Not reported
Tank Release Detection:	Not reported
Tank SFC Type:	Not reported
Pipe Material:	Not reported
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Pipe Pumping System:	Not reported
Responsible Unit:	Northwest
Dispencer/Pump SFC Type:	Not reported

ICR:

Date Ecology Received Report:	08/26/93
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Soil
Waste Management:	Tank
Region:	North Western
Type of Report Ecology Received:	Final cleanup report
Site Register Issue:	93-08
County Code:	17
Contact:	Not reported
Report Title:	Not reported

Date Ecology Received Report:	06/27/94
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Soil
Waste Management:	Tank
Region:	North Western
Type of Report Ecology Received:	Final cleanup report
Site Register Issue:	93-35
County Code:	17
Contact:	Not reported
Report Title:	Not reported

A7 **KING CO REDONDO OIL PIT** **SEMS-ARCHIVE** **1003880554**
NNW **SR 509 & 16TH AVE S** **WAD981771561**
< 1/8 **REDONDO, WA 98054**
0.006 mi.
34 ft. **Site 7 of 8 in cluster A**

Relative:
Higher

Actual:
426 ft.

SEMS Archive:

Site ID:	1001214
EPA ID:	WAD981771561
Name:	KING CO REDONDO OIL PIT
Address:	SR 509 & 16TH AVE S
Address 2:	Not reported
City,State,Zip:	REDONDO, WA 98054
Cong District:	08
FIPS Code:	53033
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region:	10
Site ID:	1001214
EPA ID:	WAD981771561
Site Name:	KING CO REDONDO OIL PIT
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1991-07-08 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	10
Site ID:	1001214
EPA ID:	WAD981771561
Site Name:	KING CO REDONDO OIL PIT
NPL:	N
FF:	N
OU:	00
Action Code:	SI
Action Name:	SI
SEQ:	1
Start Date:	1990-08-22 04:00:00
Finish Date:	1991-07-08 04:00:00
Qual:	N
Current Action Lead:	EPA Perf

Region:	10
Site ID:	1001214
EPA ID:	WAD981771561
Site Name:	KING CO REDONDO OIL PIT
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1

KING CO REDONDO OIL PIT (Continued) **1003880554**

Start Date:	1987-12-02 05:00:00
Finish Date:	1987-12-02 05:00:00
Qual:	Not reported
Current Action Lead:	Other
Region:	10
Site ID:	1001214
EPA ID:	WAD981771561
Site Name:	KING CO REDONDO OIL PIT
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	1988-10-14 04:00:00
Finish Date:	1988-10-14 04:00:00
Qual:	H
Current Action Lead:	St Perf

B8 **REDONDO OIL PIT KING CNTY** **CSCSL** **S100079874**
NNW **16TH AVE S & SW DASH PT RD** **ALLSITES** **N/A**
< 1/8 **REDONDO, WA 98054**
0.009 mi.
49 ft. **Site 1 of 7 in cluster B**

Relative:
Higher

Actual:
428 ft.

CSCSL:

Name:	REDONDO OIL PIT KING COUNTY
Address:	16TH AVE S & SW DASH PT RD
City,State,Zip:	REDONDO, WA 98054
Facility ID:	2200
Region:	Northwest
Lat/Long:	47.33588 / -122.31338
Clean Up Siteid:	1242
Site Status:	Awaiting Cleanup
Contaminant Name:	Petroleum Products-Unspecified
Alternate Site Names:	REDONDO OIL PIT KING CNTY,REDONDO OIL PIT KING COUNTY
Site Rank:	Not reported
Has Institutional Control:	Not reported
Past VCP:	Not reported
Current VCP:	Not reported
Ground Water:	Suspected
Surface Water:	Not reported
Soil:	Suspected
Sediment:	Not reported
Air:	Not reported
Bedrock:	Not reported
Responsible Unit:	Northwest
Name:	REDONDO OIL PIT KING COUNTY
Address:	16TH AVE S & SW DASH PT RD
City,State,Zip:	REDONDO, WA 98054
Facility ID:	2200
Region:	Northwest
Lat/Long:	47.33588 / -122.31338
Clean Up Siteid:	1242
Site Status:	Awaiting Cleanup

REDONDO OIL PIT KING CNTY (Continued) **S100079874**

Contaminant Name: Polycyclic Aromatic Hydrocarbons
Alternate Site Names: REDONDO OIL PIT KING CNTY,REDONDO OIL PIT KING COUNTY
Site Rank: Not reported
Has Institutional Control: Not reported
Past VCP: Not reported
Current VCP: Not reported
Ground Water: Suspected
Surface Water: Not reported
Soil: Suspected
Sediment: Not reported
Air: Not reported
Bedrock: Not reported
Responsible Unit: Northwest

ALLSITES:
Name: REDONDO OIL PIT KING CNTY
Facility Id: 2200

Interaction: 3838
Interaction 1: A
Interaction 2: SCS
Ecology Program: TOXICS
Program Data: ISIS
Facility Alt.: REDONDO OIL PIT KING CNTY
Program ID: Not reported
Date Interaction: 1900-01-01 00:00:00
Date Interaction 3: State Cleanup Site
Latitude: 47.335874394900003
Longitude: -122.313365174

A9 **JUMP S UNION** **EDR Hist Auto** **1009615303**
NE **29625 S PACIFIC HWY** **N/A**
< 1/8 **AUBURN, WA**
0.012 mi.
64 ft. **Site 8 of 8 in cluster A**

Relative: EDR Hist Auto
Higher

Actual: Year: Name: Type:
435 ft. 1977 JUMP S UNION Gasoline Stations

B10 **WESTFAIR EXXON** **EDR Hist Auto** **1020511077**
North **1650 SW DASH POINT RD** **N/A**
< 1/8 **FEDERAL WAY, WA 98003**
0.015 mi.
79 ft. **Site 2 of 7 in cluster B**

Relative: EDR Hist Auto
Lower

Actual: Year: Name: Type:
424 ft. 1979 WESTFAIR EXXON Gasoline Service Stations
1980 WESTFAIR EXXON Gasoline Service Stations
1982 WESTFAIR EXXON Gasoline Service Stations
1983 WESTFAIR EXXON Gasoline Service Stations

B11 **UNOCAL #6227** **ICR** **S103510831**
North **29625 PACIFIC HWY S.** **N/A**
< 1/8 **FEDERAL WAY, WA 98003**
0.041 mi.
218 ft. **Site 3 of 7 in cluster B**

Relative: **Lower**

Actual: **412 ft.**

ICR:

Date Ecology Received Report:	01/22/91
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Soil
Waste Management:	Tank
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	91-21
County Code:	17
Contact:	Not reported
Report Title:	Not reported

Date Ecology Received Report:	04/12/91
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Soil
Waste Management:	Tank
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	91-27
County Code:	17
Contact:	Not reported
Report Title:	Not reported

B12 **FW SHELL & DELI MART** **VCP** **S124436036**
North **29625 PACIFIC HWY S** **N/A**
< 1/8 **FEDERAL WAY, WA 98003**
0.041 mi.
218 ft. **Site 4 of 7 in cluster B**

Relative: **Lower**

Actual: **412 ft.**

VCP:

Name:	FW SHELL & DELI MART
Address:	29625 PACIFIC HWY S
City,State,Zip:	FEDERAL WAY, WA 98003
edr_fstat:	WA
edr_fzip:	98003
edr_fcnty:	KING
edr_zip:	Not reported
Facility ID:	79813564
VCP Status:	Not reported
VCP:	NFA
Ecology Status:	Not reported
NFA Type:	Not reported
Date NFA:	2006-01-27
Rank:	Not reported
Cleanup Siteid:	6688
Contaminant Name:	Lead
Soil:	Confirmed Above Cleanup Levels

Name:	FW SHELL & DELI MART
Address:	29625 PACIFIC HWY S
City,State,Zip:	FEDERAL WAY, WA 98003
edr_fstat:	WA
edr_fzip:	98003
edr_fcnty:	KING

FW SHELL & DELI MART (Continued) **S124436036**

edr_zip: Not reported
Facility ID: 79813564
VCP Status: Not reported
VCP: NFA
Ecology Status: Not reported
NFA Type: Not reported
Date NFA: 2006-01-27
Rank: Not reported
Cleanup Siteid: 6688
Contaminant Name: Petroleum Products-Unspecified
Soil: Not reported

Name: FW SHELL & DELI MART
Address: 29625 PACIFIC HWY S
City,State,Zip: FEDERAL WAY, WA 98003
edr_fstat: WA
edr_fzip: 98003
edr_fcnty: KING
edr_zip: Not reported
Facility ID: 79813564
VCP Status: Not reported
VCP: NFA
Ecology Status: Not reported
NFA Type: Not reported
Date NFA: 2006-01-27
Rank: Not reported
Cleanup Siteid: 6688
Contaminant Name: Petroleum-Gasoline
Soil: Confirmed Above Cleanup Levels

Name: FW SHELL & DELI MART
Address: 29625 PACIFIC HWY S
City,State,Zip: FEDERAL WAY, WA 98003
edr_fstat: WA
edr_fzip: 98003
edr_fcnty: KING
edr_zip: Not reported
Facility ID: 79813564
VCP Status: Not reported
VCP: NFA
Ecology Status: Not reported
NFA Type: Not reported
Date NFA: 2006-01-27
Rank: Not reported
Cleanup Siteid: 6688
Contaminant Name: Petroleum-Other
Soil: Confirmed Above Cleanup Levels

B13 **SHELL MINI MART** **UST** **U001125485**
North **29625 PACIFIC HWY S** **N/A**
< 1/8 **FEDERAL WAY, WA 98003**
0.041 mi.
218 ft. **Site 5 of 7 in cluster B**

Relative: UST:
Lower

Actual:
412 ft.

Name:	SHELL MINI MART
Address:	29625 PACIFIC HWY S
City:	FEDERAL WAY
Zip:	98003
Facility ID:	79813564
Site Id:	8504
UBI:	Not reported
Phone Number:	Not reported
Decimal Latitude:	47.3364
Decimal Longitude:	-122.31259
Tank Name:	1
Tag Number:	A3797
Tank Status:	Removed
Tank Status Date:	12/10/1999
Tank Install Date:	01/01/1900
Tank Closure Date:	Not reported
Capacity Range:	Not reported
Tank Permit Expiration Date:	Not reported
Tank Upgrade Date:	Not reported
Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Not reported
Tank Construction:	Not reported
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Not reported
Tank Manifold:	Not reported
Tank Release Detection:	Not reported
Tank SFC Type:	Not reported
Pipe Material:	Not reported
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Pipe Pumping System:	Not reported
Responsible Unit:	Northwest
Dispencer/Pump SFC Type:	Not reported
Name:	SHELL MINI MART
Address:	29625 PACIFIC HWY S
City:	FEDERAL WAY
Zip:	98003
Tank Name:	2
Tag Number:	A3797
Tank Status:	Removed
Tank Status Date:	12/10/1999
Tank Install Date:	01/01/1900
Tank Closure Date:	Not reported
Capacity Range:	Not reported
Tank Permit Expiration Date:	Not reported
Tank Upgrade Date:	Not reported

SHELL MINI MART (Continued) **U001125485**

Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Not reported
Tank Construction:	Not reported
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Not reported
Tank Manifold:	Not reported
Tank Release Detection:	Not reported
Tank SFC Type:	Not reported
Pipe Material:	Not reported
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Pipe Pumping System:	Not reported
Responsible Unit:	Northwest
Dispencer/Pump SFC Type:	Not reported

Name:	SHELL MINI MART
Address:	29625 PACIFIC HWY S
City:	FEDERAL WAY
Zip:	98003

Tank Name:	4
Tag Number:	A3797
Tank Status:	Removed
Tank Status Date:	08/06/1996
Tank Install Date:	01/01/1969
Tank Closure Date:	Not reported
Capacity Range:	111 TO 1,100 Gallons
Tank Permit Expiration Date:	Not reported
Tank Upgrade Date:	Not reported
Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Steel
Tank Construction:	Single Wall Tank
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Not reported
Tank Manifold:	Not reported
Tank Release Detection:	Not reported
Tank SFC Type:	Not reported
Pipe Material:	Steel
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Pipe Pumping System:	Not reported
Responsible Unit:	Northwest
Dispencer/Pump SFC Type:	Not reported

Name:	SHELL MINI MART
Address:	29625 PACIFIC HWY S
City:	FEDERAL WAY
Zip:	98003

Tank Name:	5
Tag Number:	A3797

SHELL MINI MART (Continued) **U001125485**

Tank Status:	Operational
Tank Status Date:	08/06/1996
Tank Install Date:	07/01/1995
Tank Closure Date:	Not reported
Capacity Range:	10,000 to 19,999 Gallons
Tank Permit Expiration Date:	08/31/2020
Tank Upgrade Date:	07/01/1995
Tank Spill Prevention:	Spill Bucket/Spill Box
Tank Overfill Prevention:	Ball Float Valve (vent line)
Tank Material:	Steel Clad with Corrosion Resistant Composite
Tank Construction:	Double Wall Tank
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Corrosion Resistant
Tank Manifold:	Not reported
Tank Release Detection:	Automatic Tank Gauging
Tank SFC Type:	Sump
Pipe Material:	Fiberglass
Pipe Construction:	Double Wall Pipe
Pipe Primary Release Detection:	Automatic Line Leak Detector (ALLD)
Pipe Second Release Detection:	Interstitial Monitoring (or Sump Sensor)
Pipe Corrosion Protection:	Corrosion Resistant
Pipe Pumping System:	Pressurized System
Responsible Unit:	Northwest
Dispencer/Pump SFC Type:	Sump

Name:	SHELL MINI MART
Address:	29625 PACIFIC HWY S
City:	FEDERAL WAY
Zip:	98003

Tank Name:	6
Tag Number:	A3797
Tank Status:	Operational
Tank Status Date:	08/06/1996
Tank Install Date:	07/01/1995
Tank Closure Date:	Not reported
Capacity Range:	10,000 to 19,999 Gallons
Tank Permit Expiration Date:	08/31/2020
Tank Upgrade Date:	07/01/1995
Tank Spill Prevention:	Spill Bucket/Spill Box
Tank Overfill Prevention:	Ball Float Valve (vent line)
Tank Material:	Steel Clad with Corrosion Resistant Composite
Tank Construction:	Double Wall Tank
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Corrosion Resistant
Tank Manifold:	Not reported
Tank Release Detection:	Automatic Tank Gauging
Tank SFC Type:	Sump
Pipe Material:	Fiberglass
Pipe Construction:	Double Wall Pipe
Pipe Primary Release Detection:	Automatic Line Leak Detector (ALLD)
Pipe Second Release Detection:	Interstitial Monitoring (or Sump Sensor)
Pipe Corrosion Protection:	Corrosion Resistant
Pipe Pumping System:	Pressurized System
Responsible Unit:	Northwest
Dispencer/Pump SFC Type:	Sump

SHELL MINI MART (Continued) **U001125485**

Name: SHELL MINI MART
Address: 29625 PACIFIC HWY S
City: FEDERAL WAY
Zip: 98003

Tank Name: 7
Tag Number: A3797
Tank Status: Operational
Tank Status Date: 12/10/1999
Tank Install Date: 07/01/1995
Tank Closure Date: Not reported
Capacity Range: 10,000 to 19,999 Gallons
Tank Permit Expiration Date: 08/31/2020
Tank Upgrade Date: 07/01/1995
Tank Spill Prevention: Spill Bucket/Spill Box
Tank Overfill Prevention: Ball Float Valve (vent line)
Tank Material: Steel Clad with Corrosion Resistant Composite
Tank Construction: Double Wall Tank
Tank Tightness Test: Not reported
Tank Corrosion Protection: Corrosion Resistant
Tank Manifold: Not reported
Tank Release Detection: Automatic Tank Gauging
Tank SFC Type: Sump
Pipe Material: Fiberglass
Pipe Construction: Double Wall Pipe
Pipe Primary Release Detection: Automatic Line Leak Detector (ALLD)
Pipe Second Release Detection: Interstitial Monitoring (or Sump Sensor)
Pipe Corrosion Protection: Corrosion Resistant
Pipe Pumping System: Pressurized System
Responsible Unit: Northwest
Dispencer/Pump SFC Type: Sump

Name: SHELL MINI MART
Address: 29625 PACIFIC HWY S
City: FEDERAL WAY
Zip: 98003

Tank Name: 7
Tag Number: A3797
Tank Status: Operational
Tank Status Date: 12/10/1999
Tank Install Date: 07/01/1995
Tank Closure Date: Not reported
Capacity Range: 10,000 to 19,999 Gallons
Tank Permit Expiration Date: 08/31/2020
Tank Upgrade Date: 07/01/1995
Tank Spill Prevention: Spill Bucket/Spill Box
Tank Overfill Prevention: Ball Float Valve (vent line)
Tank Material: Steel Clad with Corrosion Resistant Composite
Tank Construction: Double Wall Tank
Tank Tightness Test: Not reported
Tank Corrosion Protection: Corrosion Resistant
Tank Manifold: Not reported
Tank Release Detection: Automatic Tank Gauging
Tank SFC Type: Sump
Pipe Material: Fiberglass
Pipe Construction: Double Wall Pipe

SHELL MINI MART (Continued) **U001125485**

Pipe Primary Release Detection: Automatic Line Leak Detector (ALLD)
Pipe Second Release Detection: Interstitial Monitoring (or Sump Sensor)
Pipe Corrosion Protection: Corrosion Resistant
Pipe Pumping System: Pressurized System
Responsible Unit: Northwest
Dispencer/Pump SFC Type: Sump

B14 **JUMP S UNION** **EDR Hist Auto** **1009615302**
North **29625 S PACIFIC HWY** **N/A**
< 1/8 **FEDERAL WAY, WA**
0.041 mi.
218 ft. **Site 6 of 7 in cluster B**

Relative: EDR Hist Auto
Lower

Actual: **412 ft.**

Year:	Name:	Type:
1971	KRUSELL MELVIN D	Gasoline Service Stations
1980	JUMP S UNION	Gasoline Stations
1985	JUMP S UNION	Gasoline Stations
1987	JUMPS UNION	Gasoline Service Stations
1988	JUMPS UNION	Gasoline Service Stations
1989	JUMPS UNION	Gasoline Service Stations
1990	JUMPS UNION	Gasoline Service Stations
1991	JUMP S UNION DEL JUMP	Gasoline Stations
1996	509 DELI & TOWN PUMP BP	Gasoline Service Stations
1997	509 DELI & TOWN PUMP BP	Gasoline Service Stations
1998	509 DELI & TOWN PUMP BP	Gasoline Service Stations
1999	509 DELI & TOWN PUMP BP	Gasoline Service Stations
2000	509 DELI & TOWN PUMP B P	Gasoline Service Stations
2001	NISSI MOBILE AUTO REPAIR	General Automotive Repair Shops
2001	509 DELI & TOWN PUMP B P	Gasoline Service Stations
2002	NISSI MOBILE AUTO REPAIR	General Automotive Repair Shops
2002	509 DELI & TOWN PUMP B P	Gasoline Service Stations
2003	509 DELI & TOWN PUMP B P	Gasoline Service Stations
2003	NISSI MOBILE AUTO REPAIR	General Automotive Repair Shops
2004	NISSI MOBILE AUTO REPAIR	General Automotive Repair Shops
2004	509 DELI & TOWN PUMP B P	Gasoline Service Stations
2005	509 DELI & TOWN PUMP B P	Gasoline Service Stations, NEC
2006	509 DELI & TOWN PUMP B P	Gasoline Service Stations, NEC
2010	SHELL MINIMART	Gasoline Service Stations, NEC
2011	SHELL MINIMART	Gasoline Service Stations, NEC
2012	SHELL MINIMART	Gasoline Service Stations, NEC
2013	SHELL MINIMART	Gasoline Service Stations, NEC
2014	SHELL MINIMART	Gasoline Service Stations, NEC

B15 **FW SHELL & DELI MART** **LUST** **1007064946**
North **29625 PACIFIC HWY S** **ALLSITES** **N/A**
< 1/8 **FEDERAL WAY, WA 98003** **CSCSL NFA**
0.041 mi. **ICIS**
218 ft. **Site 7 of 7 in cluster B** **FINDS**
ECHO

Relative:
Lower

LUST:

Actual: **412 ft.**

Name: FW SHELL & DELI MART
Address: 29625 PACIFIC HWY S
City,State,Zip: FEDERAL WAY, WA 98003

FW SHELL & DELI MART (Continued) **1007064946**

Facility ID:	79813564
Lust Status Type:	LUST - NFA
Cleanup Site ID:	6688
Cleanup Unit Type:	Not reported
Process Type:	Not reported
Cleanup Unit Name:	509 DELI & TOWN PUMP,SHELL MINI MART,UNOCAL 6227
Response Section:	Northwest
Release Date:	11/22/1989
Lust Date:	01/28/2006
Region:	Northwest
Lust ID:	424
UST ID:	8504
Contaminant Name:	Petroleum-Gasoline
Ground Water:	Not reported
Surface Water:	Not reported
Soil:	Confirmed Above Cleanup Levels
Sediment:	Not reported
Air:	Not reported
Bedrock:	Not reported
Lat/Long:	47.3364 / -122.31259

Name:	FW SHELL & DELI MART
Address:	29625 PACIFIC HWY S
City,State,Zip:	FEDERAL WAY, WA 98003
Facility ID:	79813564
Lust Status Type:	LUST - NFA
Cleanup Site ID:	6688
Cleanup Unit Type:	Not reported
Process Type:	Not reported
Cleanup Unit Name:	509 DELI & TOWN PUMP,SHELL MINI MART,UNOCAL 6227
Response Section:	Northwest
Release Date:	11/22/1989
Lust Date:	01/28/2006
Region:	Northwest
Lust ID:	424
UST ID:	8504
Contaminant Name:	Petroleum-Other
Ground Water:	Not reported
Surface Water:	Not reported
Soil:	Confirmed Above Cleanup Levels
Sediment:	Not reported
Air:	Not reported
Bedrock:	Not reported
Lat/Long:	47.3364 / -122.31259

Name:	FW SHELL & DELI MART
Address:	29625 PACIFIC HWY S
City,State,Zip:	FEDERAL WAY, WA 98003
Facility ID:	79813564
Lust Status Type:	LUST - NFA
Cleanup Site ID:	6688
Cleanup Unit Type:	Not reported
Process Type:	Not reported
Cleanup Unit Name:	509 DELI & TOWN PUMP,SHELL MINI MART,UNOCAL 6227
Response Section:	Northwest
Release Date:	11/22/1989
Lust Date:	01/28/2006

FW SHELL & DELI MART (Continued) **1007064946**

Region: Northwest
Lust ID: 424
UST ID: 8504
Contaminant Name: Lead
Ground Water: Not reported
Surface Water: Not reported
Soil: Confirmed Above Cleanup Levels
Sediment: Not reported
Air: Not reported
Bedrock: Not reported
Lat/Long: 47.3364 / -122.31259

Name: FW SHELL & DELI MART
Address: 29625 PACIFIC HWY S
City,State,Zip: FEDERAL WAY, WA 98003
Facility ID: 79813564
Lust Status Type: LUST - NFA
Cleanup Site ID: 6688
Cleanup Unit Type: Not reported
Process Type: Not reported
Cleanup Unit Name: 509 DELI & TOWN PUMP,SHELL MINI MART,UNOCAL 6227
Response Section: Northwest
Release Date: 11/22/1989
Lust Date: 01/28/2006
Region: Northwest
Lust ID: 424
UST ID: 8504
Contaminant Name: Petroleum Products-Unspecified
Ground Water: Below Cleanup Levels
Surface Water: Not reported
Soil: Not reported
Sediment: Not reported
Air: Not reported
Bedrock: Not reported
Lat/Long: 47.3364 / -122.31259

ALLSITES:
Name: FW SHELL & DELI MART
Facility Id: 79813564

Interaction: 65399
Interaction 1: A
Interaction 2: UST
Ecology Program: TOXICS
Program Data: UST
Facility Alt.: SHELL MINI MART
Program ID: 8504
Date Interaction: 1969-01-01 00:00:00
Date Interaction 3: Underground Storage Tank
Latitude: 47.336394394999999
Longitude: -122.312575173

Interaction: 65401
Interaction 1: I
Interaction 2: LUST
Ecology Program: TOXICS

FW SHELL & DELI MART (Continued) **1007064946**

Program Data:	ISIS
Facility Alt.:	Not reported
Program ID:	8504
Date Interaction:	1989-11-22 00:00:00
Date Interaction 3:	LUST Facility
Latitude:	47.336394394999999
Longitude:	-122.312575173

Interaction:	65400
Interaction 1:	I
Interaction 2:	TIER2
Ecology Program:	HAZWASTE
Program Data:	EPCRA
Facility Alt.:	Not reported
Program ID:	CRK000016870
Date Interaction:	1988-01-01 00:00:00
Date Interaction 3:	Emergency/Haz Chem Rpt TI
Latitude:	47.336394394999999
Longitude:	-122.312575173

Interaction:	65402
Interaction 1:	I
Interaction 2:	VOLCLNST
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	FW SHELL & DELI MART
Program ID:	NW1534
Date Interaction:	2005-12-07 00:00:00
Date Interaction 3:	Voluntary Cleanup Sites
Latitude:	47.336394394999999
Longitude:	-122.312575173

CSCSL NFA:

Name:	FW SHELL & DELI MART
Address:	29625 PACIFIC HWY S
City,State,Zip:	FEDERAL WAY, WA 98003
Facility/Site Id:	79813564
CS Id:	6688
NFA Date:	01/27/2006
Alternate Site Names:	509 DELI & TOWN PUMP,SHELL MINI MART,UNOCAL 6227
NFA Reason:	NFA-Voluntary Cleanup Program Review
Site Status:	NFA
Region:	Northwest
Contaminant Name:	Lead
Ground Water:	Not reported
Surface Water:	Not reported
Soil:	Confirmed Above Cleanup Levels
Sediment:	Not reported
Air:	Not reported
Bedrock:	Not reported
Latitude:	47.3364
Longitude:	-122.31259

Name:	FW SHELL & DELI MART

FW SHELL & DELI MART (Continued) **1007064946**

Address:	29625 PACIFIC HWY S
City,State,Zip:	FEDERAL WAY, WA 98003
Facility/Site Id:	79813564
CS Id:	6688
NFA Date:	01/27/2006
Alternate Site Names:	509 DELI & TOWN PUMP,SHELL MINI MART,UNOCAL 6227
NFA Reason:	NFA-Voluntary Cleanup Program Review
Site Status:	NFA
Region:	Northwest
Contaminant Name:	Petroleum Products-Unspecified
Ground Water:	Below Cleanup Levels
Surface Water:	Not reported
Soil:	Not reported
Sediment:	Not reported
Air:	Not reported
Bedrock:	Not reported
Latitude:	47.3364
Longitude:	-122.31259

Name:	FW SHELL & DELI MART
Address:	29625 PACIFIC HWY S
City,State,Zip:	FEDERAL WAY, WA 98003
Facility/Site Id:	79813564
CS Id:	6688
NFA Date:	01/27/2006
Alternate Site Names:	509 DELI & TOWN PUMP,SHELL MINI MART,UNOCAL 6227
NFA Reason:	NFA-Voluntary Cleanup Program Review
Site Status:	NFA
Region:	Northwest
Contaminant Name:	Petroleum-Gasoline
Ground Water:	Not reported
Surface Water:	Not reported
Soil:	Confirmed Above Cleanup Levels
Sediment:	Not reported
Air:	Not reported
Bedrock:	Not reported
Latitude:	47.3364
Longitude:	-122.31259

Name:	FW SHELL & DELI MART
Address:	29625 PACIFIC HWY S
City,State,Zip:	FEDERAL WAY, WA 98003
Facility/Site Id:	79813564
CS Id:	6688
NFA Date:	01/27/2006
Alternate Site Names:	509 DELI & TOWN PUMP,SHELL MINI MART,UNOCAL 6227
NFA Reason:	NFA-Voluntary Cleanup Program Review
Site Status:	NFA
Region:	Northwest
Contaminant Name:	Petroleum-Other
Ground Water:	Not reported
Surface Water:	Not reported
Soil:	Confirmed Above Cleanup Levels
Sediment:	Not reported
Air:	Not reported
Bedrock:	Not reported
Latitude:	47.3364

FW SHELL & DELI MART (Continued) **1007064946**

Longitude: -122.31259

ICIS:
Enforcement Action ID: 10-2009-0068
FRS ID: 110015415139
Action Name: SHELL MINI MART
Facility Name: FW SHELL & DELI MART
Facility Address: 29625 PACIFIC HWY S
FEDERAL WAY, WA 98003
Enforcement Action Type: RCRA 9006 AO For Comp And/Or Pen (UST) - UST Expedited Settlement Program
Facility County: KING
Program System Acronym: ICIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 9006E
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 47.3364
Longitude in Decimal Degrees: -122.313
Permit Type Desc: Not reported
Program System Acronym: 1400008579
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Facility Name: FW SHELL & DELI MART
Address: 29625 PACIFIC HWY S
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: FW SHELL & DELI MART
Address: 29625 PACIFIC HWY S
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

FINDS:
Registry ID: 110015415139
Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110015415139

Environmental Interest/Information System:
Washington Facility / Site Identification System (WA-FSIS) provides a means to query and display data maintained by the Washington Department of Ecology. This system contains key information for each facility/site that is currently, or has been, of interest to the Air Quality, Dam Safety, Hazardous Waste, Toxics Cleanup, and Water Quality Programs.
ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This

FW SHELL & DELI MART (Continued) **1007064946**

information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1007064946
Registry ID:	110015415139
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110015415139
Name:	FW SHELL & DELI MART
Address:	29625 PACIFIC HWY S
City,State,Zip:	FEDERAL WAY, WA 98003

C16 **SACAJAWEA HEALTHCARE FOR PETS** **ALLSITES** **S110123975**
NNW **1530 S DASH POINT RD** **N/A**
< 1/8 **FEDERAL WAY, WA 98003**
0.061 mi.
322 ft. **Site 1 of 2 in cluster C**

Relative: **Lower**

Actual: **402 ft.**

ALLSITES:

Name:	SACAJAWEA HEALTHCARE FOR PETS
Facility Id:	18602
Interaction:	88938
Interaction 1:	I
Interaction 2:	LSC
Ecology Program:	HAZWASTE
Program Data:	LSC
Facility Alt.:	Sacajawea Healthcare for Pets
Program ID:	Not reported
Date Interaction:	2009-05-03 00:00:00
Date Interaction 3:	Local Source Cntrl 7/09-3
Latitude:	47.336655394399997
Longitude:	-122.313621173

C17 **MARINE HILL CLEANERS** **EDR Hist Cleaner** **1020034971**
NNW **1520 S DASH POINT RD** **N/A**
< 1/8 **FEDERAL WAY, WA 98003**
0.078 mi.
411 ft. **Site 2 of 2 in cluster C**

Relative: **Lower**

Actual: **425 ft.**

EDR Hist Cleaner

Year:	Name:	Type:
2001	MARINE HILL CLEANERS	Drycleaning Plants, Except Rugs, NEC
2002	MARINE HILL CLEANERS	Drycleaning Plants, Except Rugs, NEC
2003	MARINE HILL CLEANERS	Drycleaning Plants, Except Rugs, NEC
2004	MARINE HILL CLEANERS	Drycleaning Plants, Except Rugs, NEC
2005	MARINE HILL CLEANERS	Drycleaning Plants, Except Rugs, NEC
2006	MARINE HILL CLEANERS	Drycleaning Plants, Except Rugs, NEC

MARINE HILL CLEANERS (Continued) **1020034971**

2007	MARINE HILL CLEANERS	Drycleaning Plants, Except Rugs, NEC
2008	MARINE HILL CLEANERS	Drycleaning Plants, Except Rugs, NEC
2009	MARINE HILL CLEANERS	Drycleaning Plants, Except Rugs, NEC
2010	MARINE HILL CLEANERS	Drycleaning Plants, Except Rugs, NEC
2011	MARINE HILL CLEANERS	Drycleaning Plants, Except Rugs, NEC
2012	MARINE HILL CLEANERS	Drycleaning Plants, Except Rugs, NEC
2013	MARINE HILL CLEANERS	Drycleaning Plants, Except Rugs, NEC
2014	MARINE HILL CLEANERS	Drycleaning Plants, Except Rugs, NEC

18
East
< 1/8
0.092 mi.
487 ft.

KUMAR ESTATES **ALLSITES S125196787**
29808 18TH AVE S **NPDES N/A**
FEDERAL WAY, WA 98003

Relative:
Higher

Actual:
461 ft.

ALLSITES:

Name:	KUMAR ESTATES
Facility Id:	45809

NPDES:

Name:	KUMAR ESTATES
Address:	29808 18TH AVE S
City,State,Zip:	FEDERAL WAY, WA 98003
Facility Status:	Not reported
Facility Type:	Construction SW GP
Admin Region:	Headqarters
Date Issued:	11/18/2015
Latitude:	Not reported
Longitude:	Not reported
Permit ID:	WAR308168
Permit Version:	Not reported
Permit Status:	Active
Permit SubStatus:	Not reported
Ecology Contact:	Not reported
WRIA:	Not reported
Permit Expiration Date:	12/31/2020
Effective Date:	07/15/2019
Days to Expiration:	-352

19
SE
< 1/8
0.096 mi.
507 ft.

LAMBS GATE PRESBYTERIAN CHURCH **ALLSITES S110993467**
29850 18TH AVE S **N/A**
FEDERAL WAY, WA 98003

Relative:
Higher

Actual:
456 ft.

ALLSITES:

Name:	LAMBS GATE PRESBYTERIAN CHURCH
Facility Id:	21327

Interaction:	96597
Interaction 1:	A
Interaction 2:	CONSTSWGP
Ecology Program:	WATQUAL
Program Data:	PARIS
Facility Alt.:	Lamb’s Gate Presbyterian Church
Program ID:	WAR124911

LAMBS GATE PRESBYTERIAN CHURCH (Continued) **S110993467**

Date Interaction:	2011-03-15 00:00:00
Date Interaction 3:	Construction SW GP
Latitude:	47.333942096400001
Longitude:	-122.31065311899999

20
NNE
< 1/8
0.101 mi.
531 ft.

STORQUEST SELF STORAGE
29600 PACIFIC HWY SOUTH
FEDERAL WAY, WA 98003

ALLSITES **S120845924**
NPDES **N/A**

Relative:
Higher

Actual:
441 ft.

ALLSITES:

Name:	STORQUEST SELF STORAGE
Facility Id:	21872
Interaction:	122381
Interaction 1:	A
Interaction 2:	CONSTSWGP
Ecology Program:	WATQUAL
Program Data:	PARIS
Facility Alt.:	StorQuest Self Storage
Program ID:	WAR305480
Date Interaction:	2017-04-18 00:00:00
Date Interaction 3:	Construction SW GP
Latitude:	47.334247597000001
Longitude:	-122.312632913

NPDES:

Name:	STORQUEST SELF STORAGE
Address:	29600 PACIFIC HWY SOUTH
City,State,Zip:	FEDERAL WAY, WA 98003
Facility Status:	Not reported
Facility Type:	Construction SW GP
Admin Region:	Headqarters
Date Issued:	11/18/2015
Latitude:	Not reported
Longitude:	Not reported
Permit ID:	WAR305480
Permit Version:	Not reported
Permit Status:	Active
Permit SubStatus:	Not reported
Ecology Contact:	Not reported
WRIA:	Not reported
Permit Expiration Date:	12/31/2020
Effective Date:	06/08/2017
Days to Expiration:	-352

21
South
1/4-1/2
0.367 mi.
1938 ft.

AL HOLZ AUTO SERVICE
30402 PACIFIC HWY SO
FEDERAL WAY, WA 98003

UST
ALLSITES

U001125343
N/A

Relative:
Higher

Actual:
480 ft.

UST:

Name:	AL HOLZ AUTO SERVICE
Address:	30402 PACIFIC HWY SO
City:	FEDERAL WAY
Zip:	98003
Facility ID:	5123364
Site Id:	8192
UBI:	Not reported
Phone Number:	Not reported
Decimal Latitude:	47.329102
Decimal Longitude:	-122.313383
Tank Name:	1
Tag Number:	Not reported
Tank Status:	Exempt - Removed
Tank Status Date:	08/06/1996
Tank Install Date:	12/31/1964
Tank Closure Date:	Not reported
Capacity Range:	111 TO 1,100 Gallons
Tank Permit Expiration Date:	Not reported
Tank Upgrade Date:	Not reported
Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Steel
Tank Construction:	Not reported
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Not reported
Tank Manifold:	Not reported
Tank Release Detection:	Not reported
Tank SFC Type:	Not reported
Pipe Material:	Not reported
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Pipe Pumping System:	Not reported
Responsible Unit:	Northwest
Dispencer/Pump SFC Type:	Not reported
Name:	AL HOLZ AUTO SERVICE
Address:	30402 PACIFIC HWY SO
City:	FEDERAL WAY
Zip:	98003
Tank Name:	2
Tag Number:	Not reported
Tank Status:	Closed in Place
Tank Status Date:	08/06/1996
Tank Install Date:	12/31/1964
Tank Closure Date:	Not reported
Capacity Range:	Not reported
Tank Permit Expiration Date:	Not reported
Tank Upgrade Date:	Not reported

AL HOLZ AUTO SERVICE (Continued) **U001125343**

Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Steel
Tank Construction:	Not reported
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Not reported
Tank Manifold:	Not reported
Tank Release Detection:	Not reported
Tank SFC Type:	Not reported
Pipe Material:	Not reported
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Pipe Pumping System:	Not reported
Responsible Unit:	Northwest
Dispencer/Pump SFC Type:	Not reported

Name:	AL HOLZ AUTO SERVICE
Address:	30402 PACIFIC HWY SO
City:	FEDERAL WAY
Zip:	98003

Tank Name:	3
Tag Number:	Not reported
Tank Status:	Closed in Place
Tank Status Date:	08/06/1996
Tank Install Date:	12/31/1964
Tank Closure Date:	Not reported
Capacity Range:	Not reported
Tank Permit Expiration Date:	Not reported
Tank Upgrade Date:	Not reported
Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Steel
Tank Construction:	Not reported
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Not reported
Tank Manifold:	Not reported
Tank Release Detection:	Not reported
Tank SFC Type:	Not reported
Pipe Material:	Not reported
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Pipe Pumping System:	Not reported
Responsible Unit:	Northwest
Dispencer/Pump SFC Type:	Not reported

ALLSITES:

Name:	AL HOLZ AUTO SERVICE
Facility Id:	5123364

Interaction:	16094
Interaction 1:	I
Interaction 2:	UST

AL HOLZ AUTO SERVICE (Continued) **U001125343**

Ecology Program:	TOXICS
Program Data:	UST
Facility Alt.:	Not reported
Program ID:	8192
Date Interaction:	2000-02-29 00:00:00
Date Interaction 3:	Underground Storage Tank
Latitude:	47.329096395400001
Longitude:	-122.31336817499999

22
SW
1/4-1/2
0.374 mi.
1974 ft.

13TH AVE S DRUG LAB
30320 13TH AVE S
FEDERAL WAY, WA 98003

ALLSITES **1000199736**
RCRA NonGen / NLR **WAD988469904**
FINDS
ECHO

Relative:
Higher

Actual:
460 ft.

ALLSITES:

Name:	13TH AVE S DRUG LAB
Facility Id:	83794384
Interaction:	67387
Interaction 1:	I
Interaction 2:	HWG
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD988469904
Date Interaction:	1990-02-08 00:00:00
Date Interaction 3:	Hazardous Waste Generator
Latitude:	47.330154395699999
Longitude:	-122.317555175

RCRA NonGen / NLR:

Date form received by agency:	1990-02-08 00:00:00.0
Facility name:	13TH AVE S DRUG LAB
Facility address:	30320 13TH AVE S FEDERAL WAY, WA 98003
EPA ID:	WAD988469904
Mailing address:	4350 150TH AVE NE REDMOND, WA 98052-5301
Contact:	WA ECY WA ECY
Contact address:	4350 150TH AVE NE REDMOND, WA 98052-5301
Contact country:	US
Contact telephone:	000-000-0000
Contact email:	Not reported
EPA Region:	10
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	WA ECY W
Owner/operator address:	30320 13TH AVE S FEDERAL WAY, WA 98003
Owner/operator country:	US
Owner/operator telephone:	000-000-0000

13TH AVE S DRUG LAB (Continued) **1000199736**

Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 1996-05-02 00:00:00.
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 1990-02-08 00:00:00.0
Site name: 13TH AVE S DRUG LAB
Classification: Not a generator, verified

Violation Status: No violations found

FINDS:
Registry ID: 110005351074
Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110005351074

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000199736
Registry ID: 110005351074
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110005351074
Name: 13TH AVE S DRUG LAB
Address: 30320 13TH AVE S
City,State,Zip: FEDERAL WAY, WA 98003

D23 **SUDS N CLEAN** **UST** **U000797076**
South **30405 PACIFIC HWY S** **ALLSITES** **N/A**
1/4-1/2 **FEDERAL WAY, WA 98003**
0.375 mi.
1980 ft. **Site 1 of 2 in cluster D**

Relative:
Higher

Actual:
490 ft.

UST:

Name:	SUDS N CLEAN
Address:	30405 PACIFIC HWY S
City:	FEDERAL WAY
Zip:	98003
Facility ID:	38472884
Site Id:	396
UBI:	Not reported
Phone Number:	Not reported
Decimal Latitude:	47.329062
Decimal Longitude:	-122.313393
Tank Name:	1
Tag Number:	A8525
Tank Status:	Operational
Tank Status Date:	08/06/1996
Tank Install Date:	06/01/1973
Tank Closure Date:	Not reported
Capacity Range:	10,000 to 19,999 Gallons
Tank Permit Expiration Date:	07/31/2020
Tank Upgrade Date:	12/18/1995
Tank Spill Prevention:	Spill Bucket/Spill Box
Tank Overfill Prevention:	Overfill Alarm
Tank Material:	Dielectric Coated Steel
Tank Construction:	Single Wall Tank
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Impressed Current and Interior Lining
Tank Manifold:	Not reported
Tank Release Detection:	Automatic Tank Gauging
Tank SFC Type:	Sump
Pipe Material:	Fiberglass
Pipe Construction:	Double Wall Pipe
Pipe Primary Release Detection:	Automatic Line Leak Detector (ALLD)
Pipe Second Release Detection:	Annual Line Tightness Test (LTT)
Pipe Corrosion Protection:	Corrosion Resistant
Pipe Pumping System:	Pressurized System
Responsible Unit:	Northwest
Dispencer/Pump SFC Type:	Sump
Name:	SUDS N CLEAN
Address:	30405 PACIFIC HWY S
City:	FEDERAL WAY
Zip:	98003
Tank Name:	2
Tag Number:	A8525
Tank Status:	Operational
Tank Status Date:	08/06/1996
Tank Install Date:	06/01/1973
Tank Closure Date:	Not reported
Capacity Range:	10,000 to 19,999 Gallons
Tank Permit Expiration Date:	07/31/2020
Tank Upgrade Date:	12/18/1995

SUDS N CLEAN (Continued) **U000797076**

Tank Spill Prevention:	Spill Bucket/Spill Box
Tank Overfill Prevention:	Overfill Alarm
Tank Material:	Dielectric Coated Steel
Tank Construction:	Single Wall Tank
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Impressed Current and Interior Lining
Tank Manifold:	Not reported
Tank Release Detection:	Automatic Tank Gauging
Tank SFC Type:	Sump
Pipe Material:	Fiberglass
Pipe Construction:	Double Wall Pipe
Pipe Primary Release Detection:	Automatic Line Leak Detector (ALLD)
Pipe Second Release Detection:	Annual Line Tightness Test (LTT)
Pipe Corrosion Protection:	Corrosion Resistant
Pipe Pumping System:	Pressurized System
Responsible Unit:	Northwest
Dispencer/Pump SFC Type:	Sump

Name:	SUDS N CLEAN
Address:	30405 PACIFIC HWY S
City:	FEDERAL WAY
Zip:	98003

Tank Name:	3
Tag Number:	A8525
Tank Status:	Operational
Tank Status Date:	08/06/1996
Tank Install Date:	06/01/1973
Tank Closure Date:	Not reported
Capacity Range:	10,000 to 19,999 Gallons
Tank Permit Expiration Date:	07/31/2020
Tank Upgrade Date:	12/18/1995
Tank Spill Prevention:	Spill Bucket/Spill Box
Tank Overfill Prevention:	Overfill Alarm
Tank Material:	Dielectric Coated Steel
Tank Construction:	Single Wall Tank
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Impressed Current and Interior Lining
Tank Manifold:	Not reported
Tank Release Detection:	Automatic Tank Gauging
Tank SFC Type:	Sump
Pipe Material:	Fiberglass
Pipe Construction:	Double Wall Pipe
Pipe Primary Release Detection:	Automatic Line Leak Detector (ALLD)
Pipe Second Release Detection:	Annual Line Tightness Test (LTT)
Pipe Corrosion Protection:	Corrosion Resistant
Pipe Pumping System:	Pressurized System
Responsible Unit:	Northwest
Dispencer/Pump SFC Type:	Sump

ALLSITES:

Name:	SUDS & CLEAN INC
Facility Id:	38472884

Interaction:	41905
Interaction 1:	I
Interaction 2:	TIER2

SUDS N CLEAN (Continued) **U000797076**

Ecology Program:	HAZWASTE
Program Data:	EPCRA
Facility Alt.:	Not reported
Program ID:	CRK000038380
Date Interaction:	1994-01-01 00:00:00
Date Interaction 3:	Emergency/Haz Chem Rpt TI
Latitude:	47.329056394799998
Longitude:	-122.313378175

Interaction:	41904
Interaction 1:	A
Interaction 2:	UST
Ecology Program:	TOXICS
Program Data:	UST
Facility Alt.:	SUDS N CLEAN
Program ID:	396
Date Interaction:	1973-06-01 00:00:00
Date Interaction 3:	Underground Storage Tank
Latitude:	47.329056394799998
Longitude:	-122.313378175

D24 **KING CNTY PARKS FEDERAL WAY POOL** **ALLSITES** **S108673548**
South **30421 16TH AVE S** **SPILLS** **N/A**
1/4-1/2 **FEDERAL WAY, WA 98003**
0.384 mi.
2028 ft. **Site 2 of 2 in cluster D**

Relative:
Higher

Actual:
488 ft.

ALLSITES:

Name:	KING CNTY PARKS FEDERAL WAY POOL
Facility Id:	76798431

Interaction:	63710
Interaction 1:	A
Interaction 2:	TIER2
Ecology Program:	HAZWASTE
Program Data:	EPCRA
Facility Alt.:	Not reported
Program ID:	CRK000034860
Date Interaction:	1992-01-01 00:00:00
Date Interaction 3:	Emergency/Haz Chem Rpt TI
Latitude:	47.329208307599998
Longitude:	-122.313793602

SPILLS:

Name:	Not reported
Address:	30421 16TH AVE S
City,State,Zip:	FEDERAL WAY, WA
Facility ID:	542707
Medium:	Not reported
Material Desc:	CHEMICAL
Material Qty:	Not reported
Material Units:	Not reported
Date Received:	08/09/2004
Contact Name:	Not reported

KING CNTY PARKS FEDERAL WAY POOL (Continued) **S108673548**

Incident Date:	Not reported
Incident Category Type:	Not reported
Incident Category:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Source Type:	Not reported
Source:	Not reported
Vessel Facility Name2:	Not reported
Recovered Quantity:	Not reported
Resp Party Contact:	Not reported
Cause:	Not reported
Cause Type:	Not reported
Resp Party Name:	Not reported

25
North
1/4-1/2
0.419 mi.
2212 ft.

SOUND VIEW AUTOBODY
28872 PACIFIC HWY S
FEDERAL WAY, WA 98003

ALLSITES
RCRA NonGen / NLR
FINDS
ECHO

1000310053
WAD988472502

Relative:
Higher

Actual:
445 ft.

ALLSITES:

Name:	SOUND VIEW AUTOBODY
Facility Id:	34342987
Interaction:	39189
Interaction 1:	I
Interaction 2:	HWG
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD988472502
Date Interaction:	1990-05-31 00:00:00
Date Interaction 3:	Hazardous Waste Generator
Latitude:	47.341702397299997
Longitude:	-122.31167466799999

RCRA NonGen / NLR:

Date form received by agency:	2005-03-30 00:00:00.0
Facility name:	SOUND VIEW AUTOBODY
Facility address:	28872 PACIFIC HWY S FEDERAL WAY, WA 98003
EPA ID:	WAD988472502
Contact:	SOUND VIEW AUTO SOUND VIEW AUTO
Contact address:	28872 PACIFIC HWY S FEDERAL WAY, WA 98003-3802
Contact country:	US
Contact telephone:	000-000-0000
Contact email:	Not reported
EPA Region:	10
Land type:	Private
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	VERZANI, ROBERT J
Owner/operator address:	30640 PACIFIC HWY S

SOUND VIEW AUTOBODY (Continued) **1000310053**

FEDERAL WAY, WA 98003
Owner/operator country: US
Owner/operator telephone: 000-000-0000
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: SOUND VIEW AUTOBODY
Owner/operator address: 28872 PACIFIC HWY S
FEDERAL WAY, WA 98003
Owner/operator country: US
Owner/operator telephone: 000-000-0000
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 1996-05-02 00:00:00.
Owner/Op end date: Not reported

Owner/operator name: ANASTASIA E
Owner/operator address: 28872 PACIFIC HWY S
FEDERAL WAY, WA 98003
Owner/operator country: US
Owner/operator telephone: 253-839-3279
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 1998-10-01 00:00:00.
Owner/Op end date: Not reported

Owner/operator name: DAVID E
Owner/operator address: 28872 PACIFIC HWY S
FEDERAL WAY, WA 98032
Owner/operator country: US
Owner/operator telephone: 000-000-0000
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 1900-01-01 00:00:00.
Owner/Op end date: Not reported

Owner/operator name: SOUND VIEW AUTOBODY
Owner/operator address: 28872 PACIFIC HWY S
FEDERAL WAY, WA 98003
Owner/operator country: US
Owner/operator telephone: 000-000-0000
Owner/operator email: Not reported
Owner/operator fax: Not reported

SOUND VIEW AUTOBODY (Continued) **1000310053**

Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 2005-03-30 00:00:00.0
Site name: SOUND VIEW AUTOBODY
Classification: Not a generator, verified

Date form received by agency: 1999-12-08 00:00:00.0
Site name: SOUND VIEW AUTOBODY
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 1999-08-18 00:00:00.0
Site name: SOUND VIEW AUTOBODY
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 1997-01-01 00:00:00.0
Site name: SOUND VIEW AUTOBODY
Classification: Not a generator, verified

Date form received by agency: 1997-01-01 00:00:00.0
Site name: SOUND VIEW AUTOBODY
Classification: Not a generator, verified

Date form received by agency: 1993-12-31 00:00:00.0
Site name: SOUND VIEW AUTOBODY
Classification: Small Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 1997-10-27 00:00:00.0
Evaluation: COMPLIANCE ASSISTANCE VISIT
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

SOUND VIEW AUTOBODY (Continued) **1000310053**

FINDS:
Registry ID: 110005352509
Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110005352509

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000310053
Registry ID: 110005352509
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110005352509
Name: SOUND VIEW AUTOBODY
Address: 28872 PACIFIC HWY S
City,State,Zip: FEDERAL WAY, WA 98003

E26 **SUSAN HARRANG** **CSCSL** **U003026220**
South **30509 PACIFIC HWY S** **LUST** **N/A**
1/4-1/2 **FEDERAL WAY, WA 98023** **UST**
0.433 mi. **ALLSITES**
2287 ft. **Site 1 of 3 in cluster E**

Relative: Higher
Actual: 485 ft.

CSCSL:
Name: OIL EXPRESS
Address: 30509 PACIFIC HWY S
City,State,Zip: FEDERAL WAY, WA 98023
Facility ID: 11893824
Region: Northwest
Lat/Long: 47.328593160969 / -122.3130059489
Clean Up Siteid: 7916
Site Status: Cleanup Started
Contaminant Name: Petroleum-Other
Alternate Site Names: Jiffy Lube,SUSAN HARRANG
Site Rank: Not reported
Has Institutional Control: Not reported
Past VCP: Not reported
Current VCP: Not reported
Ground Water: Not reported
Surface Water: Not reported
Soil: Confirmed Above Cleanup Levels
Sediment: Not reported
Air: Not reported
Bedrock: Not reported
Responsible Unit: Northwest

LUST:
Name: OIL EXPRESS
Address: 30509 PACIFIC HWY S
City,State,Zip: FEDERAL WAY, WA 98023
Facility ID: 11893824

SUSAN HARRANG (Continued) **U003026220**

Lust Status Type:	LUST - Cleanup Started
Cleanup Site ID:	7916
Cleanup Unit Type:	Upland
Process Type:	Independent Action
Cleanup Unit Name:	Jiffy Lube,SUSAN HARRANG
Response Section:	Northwest
Release Date:	07/27/1999
Lust Date:	06/23/1999
Region:	Northwest
Lust ID:	5389
UST ID:	2061
Contaminant Name:	Petroleum-Other
Ground Water:	Not reported
Surface Water:	Not reported
Soil:	Confirmed Above Cleanup Levels
Sediment:	Not reported
Air:	Not reported
Bedrock:	Not reported
Lat/Long:	47.3285931 / -122.31300

UST:

Name:	SUSAN HARRANG
Address:	30509 PACIFIC HWY S
City:	FEDERAL WAY
Zip:	98023
Facility ID:	11893824
Site Id:	2061
UBI:	Not reported
Phone Number:	Not reported
Decimal Latitude:	47.3285931609696
Decimal Longitude:	-122.313005948944

Tank Name:	1
Tag Number:	Not reported
Tank Status:	Closed in Place
Tank Status Date:	08/06/1996
Tank Install Date:	01/01/1980
Tank Closure Date:	Not reported
Capacity Range:	1,101 to 2,000 Gallons
Tank Permit Expiration Date:	Not reported
Tank Upgrade Date:	Not reported
Tank Spill Prevention:	Spill Bucket/Spill Box
Tank Overfill Prevention:	None
Tank Material:	Not reported
Tank Construction:	Single Wall Tank
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	None
Tank Manifold:	Not reported
Tank Release Detection:	Statistical Inventory Reconciliation
Tank SFC Type:	Not reported
Pipe Material:	No Piping Attached to Tank
Pipe Construction:	Single Wall Pipe
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Other
Pipe Pumping System:	Other
Responsible Unit:	Northwest

SUSAN HARRANG (Continued) **U003026220**

Dispencer/Pump SFC Type: Not reported

Name: SUSAN HARRANG
Address: 30509 PACIFIC HWY S
City: FEDERAL WAY
Zip: 98023

Tank Name: 2 ABOVE GR.
Tag Number: Not reported
Tank Status: Exempt
Tank Status Date: 08/06/1996
Tank Install Date: 12/31/1964
Tank Closure Date: Not reported
Capacity Range: 111 TO 1,100 Gallons
Tank Permit Expiration Date: Not reported
Tank Upgrade Date: Not reported
Tank Spill Prevention: Not reported
Tank Overfill Prevention: Not reported
Tank Material: Steel
Tank Construction: Not reported
Tank Tightness Test: Not reported
Tank Corrosion Protection: Not reported
Tank Manifold: Not reported
Tank Release Detection: Not reported
Tank SFC Type: Not reported
Pipe Material: Not reported
Pipe Construction: Above Ground Piping
Pipe Primary Release Detection: Not reported
Pipe Second Release Detection: Not reported
Pipe Corrosion Protection: Not reported
Pipe Pumping System: Not reported
Responsible Unit: Northwest
Dispencer/Pump SFC Type: Not reported

Name: SUSAN HARRANG
Address: 30509 PACIFIC HWY S
City: FEDERAL WAY
Zip: 98023

Tank Name: 3 ABOVE GR.
Tag Number: Not reported
Tank Status: Exempt
Tank Status Date: 08/06/1996
Tank Install Date: 12/31/1964
Tank Closure Date: Not reported
Capacity Range: 111 TO 1,100 Gallons
Tank Permit Expiration Date: Not reported
Tank Upgrade Date: Not reported
Tank Spill Prevention: Not reported
Tank Overfill Prevention: Not reported
Tank Material: Steel
Tank Construction: Not reported
Tank Tightness Test: Not reported
Tank Corrosion Protection: Not reported
Tank Manifold: Not reported
Tank Release Detection: Not reported
Tank SFC Type: Not reported

SUSAN HARRANG (Continued) **U003026220**

Pipe Material:	Not reported
Pipe Construction:	Above Ground Piping
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Pipe Pumping System:	Not reported
Responsible Unit:	Northwest
Dispencer/Pump SFC Type:	Not reported

Name:	SUSAN HARRANG
Address:	30509 PACIFIC HWY S
City:	FEDERAL WAY
Zip:	98023

Tank Name:	4 ABOVE GR.
Tag Number:	Not reported
Tank Status:	Exempt
Tank Status Date:	08/06/1996
Tank Install Date:	12/31/1964
Tank Closure Date:	Not reported
Capacity Range:	111 TO 1,100 Gallons
Tank Permit Expiration Date:	Not reported
Tank Upgrade Date:	Not reported
Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Steel
Tank Construction:	Not reported
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Not reported
Tank Manifold:	Not reported
Tank Release Detection:	Not reported
Tank SFC Type:	Not reported
Pipe Material:	Not reported
Pipe Construction:	Above Ground Piping
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Pipe Pumping System:	Not reported
Responsible Unit:	Northwest
Dispencer/Pump SFC Type:	Not reported

ALLSITES:

Name:	SUSAN HARRANG
Facility Id:	11893824

Interaction:	26492
Interaction 1:	A
Interaction 2:	LUST
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	Oil Express
Program ID:	2061
Date Interaction:	1999-07-27 00:00:00
Date Interaction 3:	LUST Facility
Latitude:	47.328587555699997
Longitude:	-122.31299112400001

SUSAN HARRANG (Continued) **U003026220**

Interaction:	26493
Interaction 1:	I
Interaction 2:	UST
Ecology Program:	TOXICS
Program Data:	UST
Facility Alt.:	Not reported
Program ID:	2061
Date Interaction:	2000-03-20 00:00:00
Date Interaction 3:	Underground Storage Tank
Latitude:	47.328587555699997
Longitude:	-122.31299112400001

E27 **OIL EXPRESS** **ICR** **S104223604**
South **30509 PACIFIC HWY S.** **N/A**
1/4-1/2 **FEDERAL WAY, WA 98023**
0.433 mi.
2287 ft. **Site 2 of 3 in cluster E**

Relative: **Higher**
Actual: **485 ft.**

ICR:

Date Ecology Received Report:	08/06/99
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Soil
Waste Management:	Tank
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	98-18
County Code:	17
Contact:	Not reported
Report Title:	Not reported

E28 **FEDERAL WAY HIGH SCHOOL** **CSCSL** **S117624156**
South **30611 16TH AVE S** **LUST** **N/A**
1/4-1/2 **FEDERAL WAY, WA 98003** **ALLSITES**
0.439 mi. **SPILLS**
2317 ft. **Site 3 of 3 in cluster E** **ASBESTOS**

Relative: **Higher**
Actual: **484 ft.**

CSCSL:

Name:	FEDERAL WAY HIGH SCHOOL
Address:	30611 16TH AVE S
City,State,Zip:	FEDERAL WAY, WA 98003
Facility ID:	61228121
Region:	Northwest
Lat/Long:	47.328045409673 / -122.3139488325
Clean Up Siteid:	12869
Site Status:	Awaiting Cleanup
Contaminant Name:	Petroleum-Diesel
Alternate Site Names:	Not reported
Site Rank:	Not reported
Has Institutional Control:	Not reported
Past VCP:	Not reported
Current VCP:	Not reported
Ground Water:	Not reported
Surface Water:	Not reported
Soil:	Confirmed Above Cleanup Levels
Sediment:	Not reported

FEDERAL WAY HIGH SCHOOL (Continued) **S117624156**

Air: Not reported
Bedrock: Not reported
Responsible Unit: Northwest

Name: FEDERAL WAY HIGH SCHOOL
Address: 30611 16TH AVE S
City,State,Zip: FEDERAL WAY, WA 98003
Facility ID: 61228121
Region: Northwest
Lat/Long: 47.328045409673 / -122.3139488325
Clean Up Siteid: 12869
Site Status: Awaiting Cleanup
Contaminant Name: Petroleum-Gasoline
Alternate Site Names: Not reported
Site Rank: Not reported
Has Institutional Control: Not reported
Past VCP: Not reported
Current VCP: Not reported
Ground Water: Not reported
Surface Water: Not reported
Soil: Confirmed Above Cleanup Levels
Sediment: Not reported
Air: Not reported
Bedrock: Not reported
Responsible Unit: Northwest

LUST:
Name: FEDERAL WAY HIGH SCHOOL
Address: 30611 16TH AVE S
City,State,Zip: FEDERAL WAY, WA 98003
Facility ID: 61228121
Lust Status Type: LUST - Awaiting Cleanup
Cleanup Site ID: 12869
Cleanup Unit Type: Upland
Process Type: No Process
Cleanup Unit Name: Not reported
Response Section: Northwest
Release Date: 02/17/2015
Lust Date: 02/17/2015
Region: Northwest
Lust ID: 6931
UST ID: 272
Contaminant Name: Petroleum-Gasoline
Ground Water: Not reported
Surface Water: Not reported
Soil: Confirmed Above Cleanup Levels
Sediment: Not reported
Air: Not reported
Bedrock: Not reported
Lat/Long: 47.3280454 / -122.31394

Name: FEDERAL WAY HIGH SCHOOL
Address: 30611 16TH AVE S
City,State,Zip: FEDERAL WAY, WA 98003
Facility ID: 61228121
Lust Status Type: LUST - Awaiting Cleanup
Cleanup Site ID: 12869

FEDERAL WAY HIGH SCHOOL (Continued) **S117624156**

Cleanup Unit Type:	Upland
Process Type:	No Process
Cleanup Unit Name:	Not reported
Response Section:	Northwest
Release Date:	02/17/2015
Lust Date:	02/17/2015
Region:	Northwest
Lust ID:	6931
UST ID:	272
Contaminant Name:	Petroleum-Diesel
Ground Water:	Not reported
Surface Water:	Not reported
Soil:	Confirmed Above Cleanup Levels
Sediment:	Not reported
Air:	Not reported
Bedrock:	Not reported
Lat/Long:	47.3280454 / -122.31394

ALLSITES:

Name:	FEDERAL WAY HIGH SCHOOL
Facility Id:	61228121

Interaction:	54235
Interaction 1:	I
Interaction 2:	HWG
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD988512356
Date Interaction:	1992-10-05 00:00:00
Date Interaction 3:	Hazardous Waste Generator
Latitude:	47.328040924600003
Longitude:	-122.313915447

Interaction:	113533
Interaction 1:	I
Interaction 2:	CONSTSWGP
Ecology Program:	WATQUAL
Program Data:	PARIS
Facility Alt.:	Federal Way High School - B
Program ID:	WAR303131
Date Interaction:	2015-06-08 00:00:00
Date Interaction 3:	Construction SW GP
Latitude:	47.328040924600003
Longitude:	-122.313915447

Interaction:	121418
Interaction 1:	A
Interaction 2:	HWG
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Federal Way SD Federal Way HS
Program ID:	WAD988512356
Date Interaction:	2017-02-24 00:00:00
Date Interaction 3:	Hazardous Waste Generator

FEDERAL WAY HIGH SCHOOL (Continued) **S117624156**

Latitude:	47.328040924600003
Longitude:	-122.313915447
Interaction:	109044
Interaction 1:	A
Interaction 2:	CONSTSWGP
Ecology Program:	WATQUAL
Program Data:	PARIS
Facility Alt.:	Federal Way High School
Program ID:	WAR302065
Date Interaction:	2014-06-02 00:00:00
Date Interaction 3:	Construction SW GP
Latitude:	47.328040924600003
Longitude:	-122.313915447
Interaction:	110429
Interaction 1:	A
Interaction 2:	CONSTSWGP
Ecology Program:	WATQUAL
Program Data:	PARIS
Facility Alt.:	Federal Way High School - A
Program ID:	WAR302499
Date Interaction:	2014-11-18 00:00:00
Date Interaction 3:	Construction SW GP
Latitude:	47.328040924600003
Longitude:	-122.313915447
Interaction:	114902
Interaction 1:	A
Interaction 2:	LUST
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	Federal Way High School
Program ID:	272
Date Interaction:	2015-08-12 00:00:00
Date Interaction 3:	LUST Facility
Latitude:	47.328040924600003
Longitude:	-122.313915447
Interaction:	54236
Interaction 1:	I
Interaction 2:	UST
Ecology Program:	TOXICS
Program Data:	UST
Facility Alt.:	Not reported
Program ID:	272
Date Interaction:	2000-02-29 00:00:00
Date Interaction 3:	Underground Storage Tank
Latitude:	47.328040924600003
Longitude:	-122.313915447

FEDERAL WAY HIGH SCHOOL (Continued) **S117624156**

SPILLS:

Name:	FEDERAL WAY SCHOOL DISTRICT
Address:	30611 16TH AVE S
City,State,Zip:	FEDERAL WAY, WA
Facility ID:	654888
Medium:	SOIL
Material Desc:	PETROLEUM - UNKNOWN
Material Qty:	Not reported
Material Units:	Not reported
Date Received:	02/19/2015
Contact Name:	Not reported
Incident Date:	Not reported
Incident Category Type:	Not reported
Incident Category:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Source Type:	Not reported
Source:	Not reported
Vessel Facility Name2:	Not reported
Recovered Quantity:	Not reported
Resp Party Contact:	Not reported
Cause:	Not reported
Cause Type:	Not reported
Resp Party Name:	Not reported

ASBESTOS:

Name:	Not reported
Address:	30611 16TH AVENUE SOUTH
City,State,Zip:	FEDERAL WAY, WA 98003
Facility Type:	School
Parent ID:	0
Form ID:	105808##1008WMDic185054
Notice Date:	09/15/2015
Start Date:	09/15/2015
Completion Date:	09/15/2015
Initial:	1
Amended:	Not reported
On Hold:	Not reported
Off Hold:	Not reported
Emergency:	Not reported
Site Hours Start:	7:00 a.m.
Site Hours End:	3:30 p.m.
Sunday:	Not reported
Monday:	Not reported
Tuesday:	1
Wednesday:	Not reported
Thursday:	Not reported
Friday:	Not reported
Saturday:	Not reported
Contractor ID:	Not reported
Phone:	253-472-4489
Job Site CAS:	Tyson Moran
Project Form Email:	david@wmdickson.net
Property Owner Name:	Not reported
Property Owner Agent:	Not reported
Property Owner Company:	Dickson Company (ABCN00001008)

FEDERAL WAY HIGH SCHOOL (Continued) **S117624156**

Property Owner Address:	33330 8th Ave S
Property Owner City:	Federal Way
Property Owner State:	WA
Property Owner Zip4:	98003
Property Owner Phone:	253-941-4937
Job Site Room:	Not reported
Facility Age:	1950s
Facility Size:	Not reported
Facility Remodel:	Not reported
Facility Demo:	1
Facility Repair:	Not reported
Facility Maint:	Not reported
Removed:	1
Encapsulated:	Not reported
Quantity Sq Ft:	Not reported
Fireproofing:	Not reported
Popcorn Ceiling:	Not reported
CAB:	Not reported
Sheet Vinyl:	Not reported
Asbestos Paper:	Not reported
Boiler Insulation:	Not reported
Duct Paper:	Not reported
VAT:	Not reported
Roofing:	Not reported
Sq Ft Other:	Not reported
Sq Ft Other Text:	Not reported
Quantity Lin Ft:	60
Mag Pipe Insulation:	Not reported
Air Cell Pipe Insulation:	Not reported
Ducting Insulation:	Not reported
Cement Asbestos Pipe:	1
Mudded Pipe Insulation:	Not reported
Duct Tape:	Not reported
Lin Ft Other1:	Not reported
Lin Ft Other1 Text:	Not reported
Lin Ft Other2:	Not reported
Lin Ft Other2 Text:	Not reported
Indoors:	Not reported
Outdoors:	1
Neg Pres Enclosure:	Not reported
Glove Bag:	Not reported
Mini Enclosure:	Not reported
Critical Barriers:	1
Wrap And Cut:	Not reported
Wet Methods:	1
HEPA Vacuum:	Not reported
MANUALMETHODS :	1
Other CM1:	Not reported
Other CM1 Text:	Not reported
Other CM2:	Not reported
Other CM2 Text:	Not reported
Half Mask APR:	1
Full Face APR:	Not reported
PAPR:	Not reported
Type C Continuous:	Not reported
Type C Pressure:	Not reported
Other Resp Pro:	Not reported

FEDERAL WAY HIGH SCHOOL (Continued) **S117624156**

Other Resp Pro Text:	Not reported
Comments:	Waiver to the waiting period to be requested, due to surprise discovery of AC pipe at the former FWHS demolition site.
Date Time Submitted:	2015-09-15 07:49:10
Submitter IP Address:	73.181.254.179
Region:	2
UBI:	278045472
Notice type:	Initial
Project Type:	Cement Asbestos Pipe
Supervisor:	Tyson Moran ()
Supervisor Phone:	Not reported
Certificate Status:	ACTIVE
Name:	Not reported
Address:	30611 16TH AVENUE SOUTH
City,State,Zip:	FEDERAL WAY, WA 98003
Facility Type:	School
Parent ID:	117601
Form ID:	134030##1008Dicks035932
Notice Date:	10/25/2016
Start Date:	10/26/2016
Completion Date:	03/31/2017
Initial:	Not reported
Amended:	Not reported
On Hold:	Not reported
Off Hold:	1
Emergency:	Not reported
Site Hours Start:	7:00 a.m.
Site Hours End:	3:30 p.m.
Sunday:	Not reported
Monday:	1
Tuesday:	1
Wednesday:	1
Thursday:	1
Friday:	1
Saturday:	Not reported
Contractor ID:	Not reported
Phone:	2534724489
Job Site CAS:	Ivan Yoder
Project Form Email:	david@dickson.net
Property Owner Name:	Not reported
Property Owner Agent:	Not reported
Property Owner Company:	Dickson Company (ABCN00001008)
Property Owner Address:	33330 8th Avenue South
Property Owner City:	Federal Way
Property Owner State:	WA
Property Owner Zip4:	98003
Property Owner Phone:	253-941-4937
Job Site Room:	Not reported
Facility Age:	1950s
Facility Size:	100,000 SF
Facility Remodel:	Not reported
Facility Demo:	1
Facility Repair:	Not reported
Facility Maint:	Not reported
Removed:	1
Encapsulated:	Not reported

FEDERAL WAY HIGH SCHOOL (Continued) **S117624156**

Quantity Sq Ft:	48795
Fireproofing:	Not reported
Popcorn Ceiling:	Not reported
CAB:	Not reported
Sheet Vinyl:	1
Asbestos Paper:	1
Boiler Insulation:	1
Duct Paper:	1
VAT:	1
Roofing:	1
Sq Ft Other:	1
Sq Ft Other Text:	Fire Doors, Mastics, Etc
Quantity Lin Ft:	2,311
Mag Pipe Insulation:	1
Air Cell Pipe Insulation:	1
Ducting Insulation:	Not reported
Cement Asbestos Pipe:	Not reported
Mudded Pipe Insulation:	1
Duct Tape:	Not reported
Lin Ft Other1:	1
Lin Ft Other1 Text:	Window Putty, Sealants
Lin Ft Other2:	Not reported
Lin Ft Other2 Text:	Not reported
Indoors:	1
Outdoors:	1
Neg Pres Enclosure:	1
Glove Bag:	1
Mini Enclosure:	1
Critical Barriers:	1
Wrap And Cut:	1
Wet Methods:	1
HEPA Vacuum:	1
MANUALMETHODS :	1
Other CM1:	1
Other CM1 Text:	Regulated Areas
Other CM2:	Not reported
Other CM2 Text:	Not reported
Half Mask APR:	1
Full Face APR:	Not reported
PAPR:	Not reported
Type C Continuous:	Not reported
Type C Pressure:	1
Other Resp Pro:	Not reported
Other Resp Pro Text:	Not reported
Comments:	Not reported
Date Time Submitted:	2016-10-25 07:26:08
Submitter IP Address:	73.181.254.179
Region:	2
UBI:	278045472
Notice type:	Initial
Project Type:	Air cell Pipe Insulation, Asbestos Paper, Boiler Insulation, Mag/mudded pipe Insulation, Other linear footage, Other Square Footage, Roofing, Sheet Vinyl, Vinyl Asbestos Tile
Supervisor:	Ivan Yoder ()
Supervisor Phone:	Not reported
Certificate Status:	ACTIVE

FEDERAL WAY HIGH SCHOOL (Continued) **S117624156**

Name:	Not reported
Address:	30611 16TH AVENUE SOUTH
City,State,Zip:	FEDERAL WAY, WA 98003
Facility Type:	High School
Parent ID:	0
Form ID:	93761##1008WMDic582424
Notice Date:	12/02/2014
Start Date:	12/12/2014
Completion Date:	02/28/2015
Initial:	1
Amended:	Not reported
On Hold:	Not reported
Off Hold:	Not reported
Emergency:	Not reported
Site Hours Start:	7:30 a.m.
Site Hours End:	4:30 p.m.
Sunday:	Not reported
Monday:	1
Tuesday:	1
Wednesday:	1
Thursday:	1
Friday:	1
Saturday:	Not reported
Contractor ID:	Not reported
Phone:	253-472-4489
Job Site CAS:	Ivan Yoder
Project Form Email:	demian@wmdickson.net
Property Owner Name:	Not reported
Property Owner Agent:	Greene Gasaway
Property Owner Company:	Dickson Company (ABCN00001008)
Property Owner Address:	33330 8th Avenue South
Property Owner City:	Federal Way
Property Owner State:	WA
Property Owner Zip4:	98003
Property Owner Phone:	253-941-4937
Job Site Room:	Not reported
Facility Age:	1950
Facility Size:	100,000 SF
Facility Remodel:	Not reported
Facility Demo:	1
Facility Repair:	Not reported
Facility Maint:	Not reported
Removed:	1
Encapsulated:	Not reported
Quantity Sq Ft:	116,500
Fireproofing:	Not reported
Popcorn Ceiling:	Not reported
CAB:	Not reported
Sheet Vinyl:	1
Asbestos Paper:	1
Boiler Insulation:	1
Duct Paper:	1
VAT:	1
Roofing:	1
Sq Ft Other:	Not reported
Sq Ft Other Text:	Not reported
Quantity Lin Ft:	16,190

FEDERAL WAY HIGH SCHOOL (Continued) **S117624156**

Mag Pipe Insulation:	Not reported
Air Cell Pipe Insulation:	1
Ducting Insulation:	1
Cement Asbestos Pipe:	1
Mudded Pipe Insulation:	Not reported
Duct Tape:	Not reported
Lin Ft Other1:	Not reported
Lin Ft Other1 Text:	Not reported
Lin Ft Other2:	Not reported
Lin Ft Other2 Text:	Not reported
Indoors:	1
Outdoors:	1
Neg Pres Enclosure:	1
Glove Bag:	1
Mini Enclosure:	Not reported
Critical Barriers:	1
Wrap And Cut:	1
Wet Methods:	1
HEPA Vacuum:	1
MANUALMETHODS :	1
Other CM1:	Not reported
Other CM1 Text:	Not reported
Other CM2:	Not reported
Other CM2 Text:	Not reported
Half Mask APR:	1
Full Face APR:	1
PAPR:	Not reported
Type C Continuous:	Not reported
Type C Pressure:	Not reported
Other Resp Pro:	Not reported
Other Resp Pro Text:	Not reported
Comments:	Not reported
Date Time Submitted:	2014-12-02 14:09:10
Submitter IP Address:	73.181.254.179
Region:	2
UBI:	278045472
Notice type:	Initial
Project Type:	Air cell Pipe Insulation, Asbestos Paper, Boiler Insulation, Cement Asbestos Pipe, Ducting/Duct Insulation, Roofing, Sheet Vinyl, Vinyl Asbestos Tile
Supervisor:	Ivan Yoder ()
Supervisor Phone:	Not reported
Certificate Status:	ACTIVE
Name:	Not reported
Address:	30611 16TH AVENUE SOUTH
City,State,Zip:	FEDERAL WAY, WA 98003
Facility Type:	High School
Parent ID:	93761
Form ID:	94419##1008WMDic460394
Notice Date:	12/19/2014
Start Date:	12/29/2014
Completion Date:	02/28/2015
Initial:	Not reported
Amended:	1
On Hold:	Not reported
Off Hold:	Not reported

FEDERAL WAY HIGH SCHOOL (Continued) **S117624156**

Emergency:	Not reported
Site Hours Start:	7:30 a.m.
Site Hours End:	4:30 p.m.
Sunday:	Not reported
Monday:	1
Tuesday:	1
Wednesday:	1
Thursday:	1
Friday:	1
Saturday:	Not reported
Contractor ID:	Not reported
Phone:	253-472-4489
Job Site CAS:	Ivan Yoder
Project Form Email:	demian@wmdickson.net
Property Owner Name:	Not reported
Property Owner Agent:	Greene Gasaway
Property Owner Company:	Dickson Company (ABCN00001008)
Property Owner Address:	33330 8th Avenue South
Property Owner City:	Federal Way
Property Owner State:	WA
Property Owner Zip4:	98003
Property Owner Phone:	253-941-4937
Job Site Room:	Not reported
Facility Age:	1950
Facility Size:	100,000 SF
Facility Remodel:	Not reported
Facility Demo:	1
Facility Repair:	Not reported
Facility Maint:	Not reported
Removed:	1
Encapsulated:	Not reported
Quantity Sq Ft:	116,500
Fireproofing:	Not reported
Popcorn Ceiling:	Not reported
CAB:	Not reported
Sheet Vinyl:	1
Asbestos Paper:	1
Boiler Insulation:	1
Duct Paper:	1
VAT:	1
Roofing:	1
Sq Ft Other:	Not reported
Sq Ft Other Text:	Not reported
Quantity Lin Ft:	16,190
Mag Pipe Insulation:	Not reported
Air Cell Pipe Insulation:	1
Ducting Insulation:	1
Cement Asbestos Pipe:	1
Mudded Pipe Insulation:	Not reported
Duct Tape:	Not reported
Lin Ft Other1:	Not reported
Lin Ft Other1 Text:	Not reported
Lin Ft Other2:	Not reported
Lin Ft Other2 Text:	Not reported
Indoors:	1
Outdoors:	1
Neg Pres Enclosure:	1

FEDERAL WAY HIGH SCHOOL (Continued) **S117624156**

Glove Bag:	1
Mini Enclosure:	Not reported
Critical Barriers:	1
Wrap And Cut:	1
Wet Methods:	1
HEPA Vacuum:	1
MANUALMETHODS :	1
Other CM1:	Not reported
Other CM1 Text:	Not reported
Other CM2:	Not reported
Other CM2 Text:	Not reported
Half Mask APR:	1
Full Face APR:	1
PAPR:	Not reported
Type C Continuous:	Not reported
Type C Pressure:	Not reported
Other Resp Pro:	Not reported
Other Resp Pro Text:	Not reported
Comments:	Not reported
Date Time Submitted:	2014-12-19 12:28:51
Submitter IP Address:	73.181.254.179
Region:	2
UBI:	278045472
Notice type:	Initial
Project Type:	Air cell Pipe Insulation, Asbestos Paper, Boiler Insulation, Cement Asbestos Pipe, Ducting/Duct Insulation, Roofing, Sheet Vinyl, Vinyl Asbestos Tile
Supervisor:	Ivan Yoder ()
Supervisor Phone:	Not reported
Certificate Status:	ACTIVE
Name:	Not reported
Address:	30611 16TH AVENUE SOUTH
City,State,Zip:	FEDERAL WAY, WA 98003
Facility Type:	High School
Parent ID:	93761
Form ID:	94670##1008WMDic437115
Notice Date:	12/29/2014
Start Date:	12/29/2014
Completion Date:	02/28/2015
Initial:	Not reported
Amended:	1
On Hold:	Not reported
Off Hold:	Not reported
Emergency:	Not reported
Site Hours Start:	7:30 a.m.
Site Hours End:	4:30 p.m.
Sunday:	Not reported
Monday:	1
Tuesday:	1
Wednesday:	1
Thursday:	1
Friday:	1
Saturday:	Not reported
Contractor ID:	Not reported
Phone:	253-472-4489
Job Site CAS:	Corey Watson

FEDERAL WAY HIGH SCHOOL (Continued) **S117624156**

Project Form Email:	demian@wmdickson.net
Property Owner Name:	Not reported
Property Owner Agent:	Greene Gasaway
Property Owner Company:	Dickson Company (ABCN00001008)
Property Owner Address:	33330 8th Avenue South
Property Owner City:	Federal Way
Property Owner State:	WA
Property Owner Zip4:	98003
Property Owner Phone:	253-941-4937
Job Site Room:	Not reported
Facility Age:	1950
Facility Size:	100,000 SF
Facility Remodel:	Not reported
Facility Demo:	1
Facility Repair:	Not reported
Facility Maint:	Not reported
Removed:	1
Encapsulated:	Not reported
Quantity Sq Ft:	116,500
Fireproofing:	Not reported
Popcorn Ceiling:	Not reported
CAB:	Not reported
Sheet Vinyl:	1
Asbestos Paper:	1
Boiler Insulation:	1
Duct Paper:	1
VAT:	1
Roofing:	1
Sq Ft Other:	Not reported
Sq Ft Other Text:	Not reported
Quantity Lin Ft:	16,190
Mag Pipe Insulation:	Not reported
Air Cell Pipe Insulation:	1
Ducting Insulation:	1
Cement Asbestos Pipe:	1
Mudded Pipe Insulation:	Not reported
Duct Tape:	Not reported
Lin Ft Other1:	Not reported
Lin Ft Other1 Text:	Not reported
Lin Ft Other2:	Not reported
Lin Ft Other2 Text:	Not reported
Indoors:	1
Outdoors:	1
Neg Pres Enclosure:	1
Glove Bag:	1
Mini Enclosure:	Not reported
Critical Barriers:	1
Wrap And Cut:	1
Wet Methods:	1
HEPA Vacuum:	1
MANUALMETHODS :	1
Other CM1:	Not reported
Other CM1 Text:	Not reported
Other CM2:	Not reported
Other CM2 Text:	Not reported
Half Mask APR:	1
Full Face APR:	1

FEDERAL WAY HIGH SCHOOL (Continued) **S117624156**

PAPR:	Not reported
Type C Continuous:	Not reported
Type C Pressure:	Not reported
Other Resp Pro:	Not reported
Other Resp Pro Text:	Not reported
Comments:	Not reported
Date Time Submitted:	2014-12-29 06:39:46
Submitter IP Address:	73.181.254.179
Region:	2
UBI:	278045472
Notice type:	Initial
Project Type:	Air cell Pipe Insulation, Asbestos Paper, Boiler Insulation, Cement Asbestos Pipe, Ducting/Duct Insulation, Roofing, Sheet Vinyl, Vinyl Asbestos Tile
Supervisor:	Corey Watson ()
Supervisor Phone:	Not reported
Certificate Status:	ACTIVE
Name:	Not reported
Address:	30611 16TH AVE S CLASSROOM # 506
City,State,Zip:	FEDERAL WAY, WA 98003
Facility Type:	High School
Parent ID:	0
Form ID:	80665##1210Therm853179
Notice Date:	01/15/2014
Start Date:	01/15/2014
Completion Date:	01/15/2014
Initial:	1
Amended:	Not reported
On Hold:	Not reported
Off Hold:	Not reported
Emergency:	1
Site Hours Start:	3:45 PM
Site Hours End:	10:00 PM
Sunday:	Not reported
Monday:	Not reported
Tuesday:	Not reported
Wednesday:	1
Thursday:	Not reported
Friday:	Not reported
Saturday:	Not reported
Contractor ID:	Not reported
Phone:	253-984-1818
Job Site CAS:	Mike Guiley
Project Form Email:	debif@ttnw-inc.com
Property Owner Name:	Federal Way Public Schools
Property Owner Agent:	Shirley Wike
Property Owner Company:	Thermatech Northwest Inc (ABCN00001210)
Property Owner Address:	33330 8th Ave S
Property Owner City:	Federal Way
Property Owner State:	WA
Property Owner Zip4:	98003
Property Owner Phone:	253-945-5932
Job Site Room:	Classroom # 506
Facility Age:	1953
Facility Size:	195,227 sq.ft.
Facility Remodel:	Not reported

FEDERAL WAY HIGH SCHOOL (Continued) **S117624156**

Facility Demo:	Not reported
Facility Repair:	1
Facility Maint:	Not reported
Removed:	Not reported
Encapsulated:	1
Quantity Sq Ft:	700
Fireproofing:	Not reported
Popcorn Ceiling:	Not reported
CAB:	Not reported
Sheet Vinyl:	Not reported
Asbestos Paper:	Not reported
Boiler Insulation:	Not reported
Duct Paper:	Not reported
VAT:	Not reported
Roofing:	Not reported
Sq Ft Other:	1
Sq Ft Other Text:	Floor mastic
Quantity Lin Ft:	Not reported
Mag Pipe Insulation:	Not reported
Air Cell Pipe Insulation:	Not reported
Ducting Insulation:	Not reported
Cement Asbestos Pipe:	Not reported
Mudded Pipe Insulation:	Not reported
Duct Tape:	Not reported
Lin Ft Other1:	Not reported
Lin Ft Other1 Text:	Not reported
Lin Ft Other2:	Not reported
Lin Ft Other2 Text:	Not reported
Indoors:	1
Outdoors:	Not reported
Neg Pres Enclosure:	Not reported
Glove Bag:	Not reported
Mini Enclosure:	Not reported
Critical Barriers:	1
Wrap And Cut:	Not reported
Wet Methods:	1
HEPA Vacuum:	1
MANUALMETHODS :	1
Other CM1:	Not reported
Other CM1 Text:	Not reported
Other CM2:	Not reported
Other CM2 Text:	Not reported
Half Mask APR:	1
Full Face APR:	Not reported
PAPR:	Not reported
Type C Continuous:	Not reported
Type C Pressure:	Not reported
Other Resp Pro:	Not reported
Other Resp Pro Text:	Not reported
Comments:	10-day waiver approval granted by Mac Davis, Region 2, due to water damage from failed roof drain. Mastic will be encapsulated only.
Date Time Submitted:	2014-01-15 13:06:31
Submitter IP Address:	75.151.101.37
Region:	2
UBI:	601725020
Notice type:	Initial
Project Type:	Other Square Footage

FEDERAL WAY HIGH SCHOOL (Continued) **S117624156**

Supervisor:	Mike Guiley ()
Supervisor Phone:	Not reported
Certificate Status:	ACTIVE
Name:	Not reported
Address:	30611 16TH AVE S CLASSROOM # 506
City,State,Zip:	FEDERAL WAY, WA 98003
Facility Type:	High School
Parent ID:	80665
Form ID:	80674##1210Therm869168
Notice Date:	01/15/2014
Start Date:	01/15/2014
Completion Date:	01/15/2014
Initial:	Not reported
Amended:	1
On Hold:	Not reported
Off Hold:	Not reported
Emergency:	1
Site Hours Start:	3:45 PM
Site Hours End:	10:00 PM
Sunday:	Not reported
Monday:	Not reported
Tuesday:	Not reported
Wednesday:	1
Thursday:	Not reported
Friday:	Not reported
Saturday:	Not reported
Contractor ID:	Not reported
Phone:	253-984-1818
Job Site CAS:	Mike Guiley
Project Form Email:	debif@ttnw-inc.com
Property Owner Name:	Federal Way Public Schools
Property Owner Agent:	Shirley Wike
Property Owner Company:	Thermatech Northwest Inc (ABCN00001210)
Property Owner Address:	33330 8th Ave S
Property Owner City:	Federal Way
Property Owner State:	WA
Property Owner Zip4:	98003
Property Owner Phone:	253-945-5932
Job Site Room:	Classroom # 506
Facility Age:	1953
Facility Size:	195,227 sq.ft.
Facility Remodel:	Not reported
Facility Demo:	Not reported
Facility Repair:	1
Facility Maint:	Not reported
Removed:	1
Encapsulated:	Not reported
Quantity Sq Ft:	700
Fireproofing:	Not reported
Popcorn Ceiling:	Not reported
CAB:	Not reported
Sheet Vinyl:	Not reported
Asbestos Paper:	Not reported
Boiler Insulation:	Not reported
Duct Paper:	Not reported
VAT:	Not reported

FEDERAL WAY HIGH SCHOOL (Continued) **S117624156**

Roofing:	Not reported
Sq Ft Other:	1
Sq Ft Other Text:	Floor mastic
Quantity Lin Ft:	Not reported
Mag Pipe Insulation:	Not reported
Air Cell Pipe Insulation:	Not reported
Ducting Insulation:	Not reported
Cement Asbestos Pipe:	Not reported
Mudded Pipe Insulation:	Not reported
Duct Tape:	Not reported
Lin Ft Other1:	Not reported
Lin Ft Other1 Text:	Not reported
Lin Ft Other2:	Not reported
Lin Ft Other2 Text:	Not reported
Indoors:	1
Outdoors:	Not reported
Neg Pres Enclosure:	Not reported
Glove Bag:	Not reported
Mini Enclosure:	Not reported
Critical Barriers:	1
Wrap And Cut:	Not reported
Wet Methods:	1
HEPA Vacuum:	1
MANUALMETHODS :	1
Other CM1:	Not reported
Other CM1 Text:	Not reported
Other CM2:	Not reported
Other CM2 Text:	Not reported
Half Mask APR:	1
Full Face APR:	Not reported
PAPR:	Not reported
Type C Continuous:	Not reported
Type C Pressure:	Not reported
Other Resp Pro:	Not reported
Other Resp Pro Text:	Not reported
Comments:	Amendment #1: underlayment needs to be removed because it is wet, therefore the mastic will be removed instead of encapsulated
Date Time Submitted:	2014-01-15 16:04:04
Submitter IP Address:	75.151.101.37
Region:	2
UBI:	601725020
Notice type:	Emergency
Project Type:	Other Square Footage
Supervisor:	Mike Guiley ()
Supervisor Phone:	Not reported
Certificate Status:	ACTIVE
Name:	Not reported
Address:	30611 16TH AVE S CLASSROOM # 506
City,State,Zip:	FEDERAL WAY, WA 98003
Facility Type:	High School
Parent ID:	80665
Form ID:	80694##1210Therm800298
Notice Date:	01/16/2014
Start Date:	01/15/2014
Completion Date:	01/15/2014
Initial:	Not reported

FEDERAL WAY HIGH SCHOOL (Continued) **S117624156**

Amended:	1
On Hold:	Not reported
Off Hold:	Not reported
Emergency:	Not reported
Site Hours Start:	3:45 PM
Site Hours End:	10:00 PM
Sunday:	Not reported
Monday:	Not reported
Tuesday:	Not reported
Wednesday:	1
Thursday:	Not reported
Friday:	Not reported
Saturday:	Not reported
Contractor ID:	Not reported
Phone:	253-984-1818
Job Site CAS:	Mike Guiley
Project Form Email:	debif@ttnw-inc.com
Property Owner Name:	Federal Way Public Schools
Property Owner Agent:	Shirley Wike
Property Owner Company:	Thermatech Northwest Inc (ABCN00001210)
Property Owner Address:	33330 8th Ave S
Property Owner City:	Federal Way
Property Owner State:	WA
Property Owner Zip4:	98003
Property Owner Phone:	253-945-5932
Job Site Room:	Classroom # 506
Facility Age:	1953
Facility Size:	195,227 sq.ft.
Facility Remodel:	Not reported
Facility Demo:	Not reported
Facility Repair:	1
Facility Maint:	Not reported
Removed:	1
Encapsulated:	Not reported
Quantity Sq Ft:	700
Fireproofing:	Not reported
Popcorn Ceiling:	Not reported
CAB:	Not reported
Sheet Vinyl:	Not reported
Asbestos Paper:	Not reported
Boiler Insulation:	Not reported
Duct Paper:	Not reported
VAT:	Not reported
Roofing:	Not reported
Sq Ft Other:	1
Sq Ft Other Text:	Floor mastic
Quantity Lin Ft:	Not reported
Mag Pipe Insulation:	Not reported
Air Cell Pipe Insulation:	Not reported
Ducting Insulation:	Not reported
Cement Asbestos Pipe:	Not reported
Mudded Pipe Insulation:	Not reported
Duct Tape:	Not reported
Lin Ft Other1:	Not reported
Lin Ft Other1 Text:	Not reported
Lin Ft Other2:	Not reported
Lin Ft Other2 Text:	Not reported

FEDERAL WAY HIGH SCHOOL (Continued) **S117624156**

Indoors:	1
Outdoors:	Not reported
Neg Pres Enclosure:	Not reported
Glove Bag:	Not reported
Mini Enclosure:	Not reported
Critical Barriers:	1
Wrap And Cut:	Not reported
Wet Methods:	1
HEPA Vacuum:	1
MANUALMETHODS :	1
Other CM1:	Not reported
Other CM1 Text:	Not reported
Other CM2:	Not reported
Other CM2 Text:	Not reported
Half Mask APR:	1
Full Face APR:	Not reported
PAPR:	Not reported
Type C Continuous:	Not reported
Type C Pressure:	Not reported
Other Resp Pro:	Not reported
Other Resp Pro Text:	Not reported
Comments:	completed 1-15-14
Date Time Submitted:	2014-01-16 11:13:12
Submitter IP Address:	75.151.101.37
Region:	2
UBI:	601725020
Notice type:	Initial
Project Type:	Other Square Footage
Supervisor:	Mike Guiley ()
Supervisor Phone:	Not reported
Certificate Status:	ACTIVE
Name:	Not reported
Address:	30611 16TH AVENUE SOUTH
City,State,Zip:	FEDERAL WAY, WA 98003
Facility Type:	High School
Parent ID:	93761
Form ID:	95457##1008WMDic113660
Notice Date:	01/19/2015
Start Date:	12/29/2014
Completion Date:	04/30/2015
Initial:	Not reported
Amended:	1
On Hold:	Not reported
Off Hold:	Not reported
Emergency:	Not reported
Site Hours Start:	7:00 a.m.
Site Hours End:	3:30 p.m.
Sunday:	Not reported
Monday:	1
Tuesday:	1
Wednesday:	1
Thursday:	1
Friday:	1
Saturday:	Not reported
Contractor ID:	Not reported
Phone:	253-472-4489

FEDERAL WAY HIGH SCHOOL (Continued) **S117624156**

Job Site CAS:	Jackie Denatalie
Project Form Email:	david@wmdickson.net
Property Owner Name:	Not reported
Property Owner Agent:	Greene Gasaway
Property Owner Company:	Dickson Company (ABCN00001008)
Property Owner Address:	33330 8th Avenue South
Property Owner City:	Federal Way
Property Owner State:	WA
Property Owner Zip4:	98003
Property Owner Phone:	253-941-4937
Job Site Room:	Not reported
Facility Age:	1950
Facility Size:	100,000 SF
Facility Remodel:	Not reported
Facility Demo:	1
Facility Repair:	Not reported
Facility Maint:	Not reported
Removed:	1
Encapsulated:	Not reported
Quantity Sq Ft:	179,063
Fireproofing:	Not reported
Popcorn Ceiling:	Not reported
CAB:	1
Sheet Vinyl:	1
Asbestos Paper:	1
Boiler Insulation:	1
Duct Paper:	1
VAT:	1
Roofing:	1
Sq Ft Other:	1
Sq Ft Other Text:	Boiler Internals, Mastics
Quantity Lin Ft:	22,974
Mag Pipe Insulation:	1
Air Cell Pipe Insulation:	1
Ducting Insulation:	1
Cement Asbestos Pipe:	1
Mudded Pipe Insulation:	1
Duct Tape:	1
Lin Ft Other1:	1
Lin Ft Other1 Text:	Sealants, Caulking
Lin Ft Other2:	1
Lin Ft Other2 Text:	Boiler Internals, Wall cover backing
Indoors:	1
Outdoors:	1
Neg Pres Enclosure:	1
Glove Bag:	1
Mini Enclosure:	1
Critical Barriers:	1
Wrap And Cut:	1
Wet Methods:	1
HEPA Vacuum:	1
MANUALMETHODS :	1
Other CM1:	1
Other CM1 Text:	Regulated Area
Other CM2:	Not reported
Other CM2 Text:	Not reported
Half Mask APR:	1

FEDERAL WAY HIGH SCHOOL (Continued) **S117624156**

Full Face APR:	1
PAPR:	Not reported
Type C Continuous:	Not reported
Type C Pressure:	1
Other Resp Pro:	Not reported
Other Resp Pro Text:	Not reported
Comments:	Not reported
Date Time Submitted:	2015-01-19 14:29:28
Submitter IP Address:	73.181.254.179
Region:	2
UBI:	278045472
Notice type:	Initial
Project Type:	Air cell Pipe Insulation, Asbestos Paper, Boiler Insulation, Cement Asbestos Board (CAB), Cement Asbestos Pipe, Duct Tape, Ducting/Duct Insulation, Mag/mudded pipe Insulation, Other linear footage, Other Square Footage, Roofing, Sheet Vinyl, Vinyl Asbesto
Supervisor:	Jackie Denatalie ()
Supervisor Phone:	Not reported
Certificate Status:	ACTIVE
Name:	Not reported
Address:	30611 16TH AVENUE SOUTH
City,State,Zip:	FEDERAL WAY, WA 98003
Facility Type:	School
Parent ID:	117601
Form ID:	117937##1008Dicks647842
Notice Date:	06/16/2016
Start Date:	06/16/2016
Completion Date:	08/31/2016
Initial:	Not reported
Amended:	1
On Hold:	Not reported
Off Hold:	Not reported
Emergency:	Not reported
Site Hours Start:	7:00 a.m.
Site Hours End:	3:30 p.m.
Sunday:	Not reported
Monday:	1
Tuesday:	1
Wednesday:	1
Thursday:	1
Friday:	1
Saturday:	Not reported
Contractor ID:	Not reported
Phone:	2534724489
Job Site CAS:	Corey Watson
Project Form Email:	david@dickson.net
Property Owner Name:	Not reported
Property Owner Agent:	Not reported
Property Owner Company:	Dickson Company (ABCN00001008)
Property Owner Address:	33330 8th Avenue South
Property Owner City:	Federal Way
Property Owner State:	WA
Property Owner Zip4:	98003
Property Owner Phone:	253-941-4937
Job Site Room:	Not reported
Facility Age:	1950s

FEDERAL WAY HIGH SCHOOL (Continued) **S117624156**

Facility Size:	100,000 SF
Facility Remodel:	Not reported
Facility Demo:	1
Facility Repair:	Not reported
Facility Maint:	Not reported
Removed:	1
Encapsulated:	Not reported
Quantity Sq Ft:	9886
Fireproofing:	Not reported
Popcorn Ceiling:	Not reported
CAB:	Not reported
Sheet Vinyl:	1
Asbestos Paper:	1
Boiler Insulation:	1
Duct Paper:	Not reported
VAT:	1
Roofing:	1
Sq Ft Other:	1
Sq Ft Other Text:	Fire Doors, Mastics
Quantity Lin Ft:	2,311
Mag Pipe Insulation:	1
Air Cell Pipe Insulation:	1
Ducting Insulation:	Not reported
Cement Asbestos Pipe:	1
Mudded Pipe Insulation:	1
Duct Tape:	Not reported
Lin Ft Other1:	1
Lin Ft Other1 Text:	Window Putty, Sealants
Lin Ft Other2:	Not reported
Lin Ft Other2 Text:	Not reported
Indoors:	Not reported
Outdoors:	Not reported
Neg Pres Enclosure:	1
Glove Bag:	1
Mini Enclosure:	1
Critical Barriers:	1
Wrap And Cut:	1
Wet Methods:	1
HEPA Vacuum:	1
MANUALMETHODS :	1
Other CM1:	1
Other CM1 Text:	Not reported
Other CM2:	Not reported
Other CM2 Text:	Not reported
Half Mask APR:	1
Full Face APR:	Not reported
PAPR:	Not reported
Type C Continuous:	Not reported
Type C Pressure:	1
Other Resp Pro:	Not reported
Other Resp Pro Text:	Not reported
Comments:	Some floor mastic, mirror mastic, and sealant will be removed today and tomorrow, prior to the 10 day waiting period, which ends on June 20th.
Date Time Submitted:	2016-06-16 14:18:49
Submitter IP Address:	73.181.254.179
Region:	2

FEDERAL WAY HIGH SCHOOL (Continued) **S117624156**

UBI:	278045472
Notice type:	Initial
Project Type:	Air cell Pipe Insulation, Asbestos Paper, Boiler Insulation, Cement Asbestos Pipe, Mag/mudded pipe Insulation, Other linear footage, Other Square Footage, Roofing, Sheet Vinyl, Vinyl Asbestos Tile
Supervisor:	Corey Watson ()
Supervisor Phone:	Not reported
Certificate Status:	ACTIVE
Name:	Not reported
Address:	30611 16TH AVENUE SOUTH
City,State,Zip:	FEDERAL WAY, WA 98003
Facility Type:	School
Parent ID:	0
Form ID:	117601##1008Dicks631939
Notice Date:	06/10/2016
Start Date:	06/20/2016
Completion Date:	08/31/2016
Initial:	1
Amended:	Not reported
On Hold:	Not reported
Off Hold:	Not reported
Emergency:	Not reported
Site Hours Start:	7:00 a.m.
Site Hours End:	3:30 p.m.
Sunday:	Not reported
Monday:	1
Tuesday:	1
Wednesday:	1
Thursday:	1
Friday:	1
Saturday:	Not reported
Contractor ID:	Not reported
Phone:	2534724489
Job Site CAS:	Corey Watson
Project Form Email:	david@dickson.net
Property Owner Name:	Not reported
Property Owner Agent:	Not reported
Property Owner Company:	Dickson Company (ABCN00001008)
Property Owner Address:	33330 8th Avenue South
Property Owner City:	Federal Way
Property Owner State:	WA
Property Owner Zip4:	98003
Property Owner Phone:	253-941-4937
Job Site Room:	Not reported
Facility Age:	1950s
Facility Size:	100,000 SF
Facility Remodel:	Not reported
Facility Demo:	1
Facility Repair:	Not reported
Facility Maint:	Not reported
Removed:	1
Encapsulated:	Not reported
Quantity Sq Ft:	9886
Fireproofing:	Not reported
Popcorn Ceiling:	Not reported
CAB:	Not reported

FEDERAL WAY HIGH SCHOOL (Continued) **S117624156**

Sheet Vinyl:	1
Asbestos Paper:	1
Boiler Insulation:	1
Duct Paper:	Not reported
VAT:	1
Roofing:	1
Sq Ft Other:	1
Sq Ft Other Text:	Fire Doors, Mastics
Quantity Lin Ft:	2,311
Mag Pipe Insulation:	1
Air Cell Pipe Insulation:	1
Ducting Insulation:	Not reported
Cement Asbestos Pipe:	1
Mudded Pipe Insulation:	1
Duct Tape:	Not reported
Lin Ft Other1:	1
Lin Ft Other1 Text:	Window Putty, Sealants
Lin Ft Other2:	Not reported
Lin Ft Other2 Text:	Not reported
Indoors:	Not reported
Outdoors:	Not reported
Neg Pres Enclosure:	1
Glove Bag:	1
Mini Enclosure:	1
Critical Barriers:	1
Wrap And Cut:	1
Wet Methods:	1
HEPA Vacuum:	1
MANUALMETHODS :	1
Other CM1:	1
Other CM1 Text:	Regulated Areas
Other CM2:	Not reported
Other CM2 Text:	Not reported
Half Mask APR:	1
Full Face APR:	Not reported
PAPR:	Not reported
Type C Continuous:	Not reported
Type C Pressure:	1
Other Resp Pro:	Not reported
Other Resp Pro Text:	Not reported
Comments:	Not reported
Date Time Submitted:	2016-06-10 14:28:45
Submitter IP Address:	73.181.254.179
Region:	2
UBI:	278045472
Notice type:	Initial
Project Type:	Air cell Pipe Insulation, Asbestos Paper, Boiler Insulation, Cement Asbestos Pipe, Mag/mudded pipe Insulation, Other linear footage, Other Square Footage, Roofing, Sheet Vinyl, Vinyl Asbestos Tile
Supervisor:	Corey Watson ()
Supervisor Phone:	Not reported
Certificate Status:	ACTIVE

29
North
1/2-1
0.505 mi.
2665 ft.

Relative:
Higher

Actual:
444 ft.

TEXACO 63-232-1486
28806 PACIFIC HWY S
FEDERAL WAY, WA 98003

CSCSL **U003027013**
LUST **N/A**
UST
ALLSITES
SPILLS
MANIFEST

CSCSL:

Name:	SHELL 121050
Address:	28806 PACIFIC HWY S
City,State,Zip:	FEDERAL WAY, WA 98003
Facility ID:	27316879
Region:	Northwest
Lat/Long:	47.343098227145 / -122.3118959324
Clean Up Siteid:	8538
Site Status:	Cleanup Started
Contaminant Name:	Petroleum-Diesel
Alternate Site Names:	Shell Oil Products US SAP 121050,TEXACO 63-232-1486,TEXACO 632321486,TEXACO STATION 28806 PACIFIC HWY S,TEXACO STATION 632321486
Site Rank:	Not reported
Has Institutional Control:	Not reported
Past VCP:	Not reported
Current VCP:	Not reported
Ground Water:	Not reported
Surface Water:	Not reported
Soil:	Confirmed Above Cleanup Levels
Sediment:	Not reported
Air:	Not reported
Bedrock:	Not reported
Responsible Unit:	Northwest

Name:	SHELL 121050
Address:	28806 PACIFIC HWY S
City,State,Zip:	FEDERAL WAY, WA 98003
Facility ID:	27316879
Region:	Northwest
Lat/Long:	47.343098227145 / -122.3118959324
Clean Up Siteid:	8538
Site Status:	Cleanup Started
Contaminant Name:	Petroleum-Gasoline
Alternate Site Names:	Shell Oil Products US SAP 121050,TEXACO 63-232-1486,TEXACO 632321486,TEXACO STATION 28806 PACIFIC HWY S,TEXACO STATION 632321486
Site Rank:	Not reported
Has Institutional Control:	Not reported
Past VCP:	Not reported
Current VCP:	Not reported
Ground Water:	Not reported
Surface Water:	Not reported
Soil:	Confirmed Above Cleanup Levels
Sediment:	Not reported
Air:	Not reported
Bedrock:	Not reported
Responsible Unit:	Northwest

LUST:

Name:	SHELL 121050
Address:	28806 PACIFIC HWY S
City,State,Zip:	FEDERAL WAY, WA 98003
Facility ID:	27316879

TEXACO 63-232-1486 (Continued) **U003027013**

Lust Status Type:	LUST - Cleanup Started
Cleanup Site ID:	8538
Cleanup Unit Type:	Upland
Process Type:	Independent Action
Cleanup Unit Name:	Shell Oil Products US SAP 121050,TEXACO 63-232-1486,TEXACO 632321486,TEXACO STATION 28806 PACIFIC HWY S,TEXACO STATION 632321486
Response Section:	Northwest
Release Date:	12/04/1992
Lust Date:	12/04/1992
Region:	Northwest
Lust ID:	2479
UST ID:	4479
Contaminant Name:	Petroleum-Gasoline
Ground Water:	Not reported
Surface Water:	Not reported
Soil:	Confirmed Above Cleanup Levels
Sediment:	Not reported
Air:	Not reported
Bedrock:	Not reported
Lat/Long:	47.3430982 / -122.31189

Name:	SHELL 121050
Address:	28806 PACIFIC HWY S
City,State,Zip:	FEDERAL WAY, WA 98003
Facility ID:	27316879
Lust Status Type:	LUST - Cleanup Started
Cleanup Site ID:	8538
Cleanup Unit Type:	Upland
Process Type:	Independent Action
Cleanup Unit Name:	Shell Oil Products US SAP 121050,TEXACO 63-232-1486,TEXACO 632321486,TEXACO STATION 28806 PACIFIC HWY S,TEXACO STATION 632321486
Response Section:	Northwest
Release Date:	12/04/1992
Lust Date:	12/04/1992
Region:	Northwest
Lust ID:	2479
UST ID:	4479
Contaminant Name:	Petroleum-Diesel
Ground Water:	Not reported
Surface Water:	Not reported
Soil:	Confirmed Above Cleanup Levels
Sediment:	Not reported
Air:	Not reported
Bedrock:	Not reported
Lat/Long:	47.3430982 / -122.31189

UST:

Name:	TEXACO 63-232-1486
Address:	28806 PACIFIC HWY S
City:	FEDERAL WAY
Zip:	98003
Facility ID:	27316879
Site Id:	4479
UBI:	Not reported
Phone Number:	Not reported
Decimal Latitude:	47.3430982271451
Decimal Longitude:	-122.311895932459

TEXACO 63-232-1486 (Continued) **U003027013**

Tank Name:	1
Tag Number:	A0477
Tank Status:	Removed
Tank Status Date:	10/12/2007
Tank Install Date:	01/01/1985
Tank Closure Date:	Not reported
Capacity Range:	10,000 to 19,999 Gallons
Tank Permit Expiration Date:	Not reported
Tank Upgrade Date:	02/11/1998
Tank Spill Prevention:	Spill Bucket/Spill Box
Tank Overfill Prevention:	Ball Float Valve (vent line)
Tank Material:	Fiberglass Reinforced Plastic
Tank Construction:	Single Wall Tank
Tank Tightness Test:	Annual
Tank Corrosion Protection:	Corrosion Resistant
Tank Manifold:	Not reported
Tank Release Detection:	Manual Inventory Control (daily)
Tank SFC Type:	Not reported
Pipe Material:	Fiberglass
Pipe Construction:	Single Wall Pipe
Pipe Primary Release Detection:	Automatic Line Leak Detector (ALLD)
Pipe Second Release Detection:	Interstitial Monitoring (or Sump Sensor)
Pipe Corrosion Protection:	Corrosion Resistant
Pipe Pumping System:	Pressurized System
Responsible Unit:	Northwest
Dispencer/Pump SFC Type:	Not reported

Name:	TEXACO 63-232-1486
Address:	28806 PACIFIC HWY S
City:	FEDERAL WAY
Zip:	98003

Tank Name:	2
Tag Number:	A0477
Tank Status:	Removed
Tank Status Date:	10/12/2007
Tank Install Date:	01/01/1985
Tank Closure Date:	Not reported
Capacity Range:	10,000 to 19,999 Gallons
Tank Permit Expiration Date:	Not reported
Tank Upgrade Date:	02/11/1998
Tank Spill Prevention:	Spill Bucket/Spill Box
Tank Overfill Prevention:	Ball Float Valve (vent line)
Tank Material:	Fiberglass Reinforced Plastic
Tank Construction:	Single Wall Tank
Tank Tightness Test:	Annual
Tank Corrosion Protection:	Corrosion Resistant
Tank Manifold:	Not reported
Tank Release Detection:	Manual Inventory Control (daily)
Tank SFC Type:	Not reported
Pipe Material:	Fiberglass
Pipe Construction:	Single Wall Pipe
Pipe Primary Release Detection:	Automatic Line Leak Detector (ALLD)
Pipe Second Release Detection:	Interstitial Monitoring (or Sump Sensor)
Pipe Corrosion Protection:	Corrosion Resistant
Pipe Pumping System:	Pressurized System
Responsible Unit:	Northwest

TEXACO 63-232-1486 (Continued) **U003027013**

Dispencer/Pump SFC Type: Not reported

Name: TEXACO 63-232-1486
Address: 28806 PACIFIC HWY S
City: FEDERAL WAY
Zip: 98003

Tank Name: 3
Tag Number: A0477
Tank Status: Removed
Tank Status Date: 10/12/2007
Tank Install Date: 01/01/1985
Tank Closure Date: Not reported
Capacity Range: 10,000 to 19,999 Gallons
Tank Permit Expiration Date: Not reported
Tank Upgrade Date: 02/11/1998
Tank Spill Prevention: Spill Bucket/Spill Box
Tank Overfill Prevention: Ball Float Valve (vent line)
Tank Material: Fiberglass Reinforced Plastic
Tank Construction: Single Wall Tank
Tank Tightness Test: Annual
Tank Corrosion Protection: Corrosion Resistant
Tank Manifold: Not reported
Tank Release Detection: Manual Inventory Control (daily)
Tank SFC Type: Not reported
Pipe Material: Fiberglass
Pipe Construction: Single Wall Pipe
Pipe Primary Release Detection: Automatic Line Leak Detector (ALLD)
Pipe Second Release Detection: Interstitial Monitoring (or Sump Sensor)
Pipe Corrosion Protection: Corrosion Resistant
Pipe Pumping System: Pressurized System
Responsible Unit: Northwest
Dispencer/Pump SFC Type: Not reported

Name: TEXACO 63-232-1486
Address: 28806 PACIFIC HWY S
City: FEDERAL WAY
Zip: 98003

Tank Name: 4
Tag Number: A0477
Tank Status: Removed
Tank Status Date: 10/12/2007
Tank Install Date: 01/01/1985
Tank Closure Date: Not reported
Capacity Range: 5,000 to 9,999 Gallons
Tank Permit Expiration Date: Not reported
Tank Upgrade Date: 02/11/1998
Tank Spill Prevention: Spill Bucket/Spill Box
Tank Overfill Prevention: Ball Float Valve (vent line)
Tank Material: Fiberglass Reinforced Plastic
Tank Construction: Single Wall Tank
Tank Tightness Test: Annual
Tank Corrosion Protection: Corrosion Resistant
Tank Manifold: Not reported
Tank Release Detection: Automatic Tank Gauging
Tank SFC Type: Not reported

TEXACO 63-232-1486 (Continued) **U003027013**

Pipe Material:	Fiberglass
Pipe Construction:	Single Wall Pipe
Pipe Primary Release Detection:	Automatic Line Leak Detector (ALLD)
Pipe Second Release Detection:	Interstitial Monitoring (or Sump Sensor)
Pipe Corrosion Protection:	Corrosion Resistant
Pipe Pumping System:	Pressurized System
Responsible Unit:	Northwest
Dispencer/Pump SFC Type:	Not reported

Name:	TEXACO 63-232-1486
Address:	28806 PACIFIC HWY S
City:	FEDERAL WAY
Zip:	98003

Tank Name:	5
Tag Number:	A0477
Tank Status:	Removed
Tank Status Date:	08/06/1996
Tank Install Date:	01/01/1985
Tank Closure Date:	Not reported
Capacity Range:	111 TO 1,100 Gallons
Tank Permit Expiration Date:	Not reported
Tank Upgrade Date:	Not reported
Tank Spill Prevention:	Spill Bucket/Spill Box
Tank Overfill Prevention:	None
Tank Material:	Fiberglass Reinforced Plastic
Tank Construction:	Single Wall Tank
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Corrosion Resistant
Tank Manifold:	Not reported
Tank Release Detection:	Manual Inventory Control (daily)
Tank SFC Type:	Not reported
Pipe Material:	Fiberglass
Pipe Construction:	Single Wall Pipe
Pipe Primary Release Detection:	Automatic Line Leak Detector (ALLD)
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Corrosion Resistant
Pipe Pumping System:	Pressurized System
Responsible Unit:	Northwest
Dispencer/Pump SFC Type:	Not reported

Name:	TEXACO 63-232-1486
Address:	28806 PACIFIC HWY S
City:	FEDERAL WAY
Zip:	98003

Tank Name:	6
Tag Number:	A0477
Tank Status:	Exempt
Tank Status Date:	08/06/1996
Tank Install Date:	12/31/1964
Tank Closure Date:	Not reported
Capacity Range:	Not reported
Tank Permit Expiration Date:	Not reported
Tank Upgrade Date:	Not reported
Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported

TEXACO 63-232-1486 (Continued) **U003027013**

Tank Material:	Fiberglass Reinforced Plastic
Tank Construction:	Not reported
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Not reported
Tank Manifold:	Not reported
Tank Release Detection:	Not reported
Tank SFC Type:	Not reported
Pipe Material:	Fiberglass
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Pipe Pumping System:	Not reported
Responsible Unit:	Northwest
Dispencer/Pump SFC Type:	Not reported

ALLSITES:

Name:	SHELL OIL PRODUCTS US SAP 121050
Facility Id:	27316879

Interaction:	35443
Interaction 1:	I
Interaction 2:	UST
Ecology Program:	TOXICS
Program Data:	UST
Facility Alt.:	Not reported
Program ID:	4479
Date Interaction:	2000-03-20 00:00:00
Date Interaction 3:	Underground Storage Tank
Latitude:	47.3430926212
Longitude:	-122.311881105

Interaction:	98271
Interaction 1:	A
Interaction 2:	INDPNDNT
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	Shell 121050
Program ID:	Not reported
Date Interaction:	2010-12-20 00:00:00
Date Interaction 3:	Independent Cleanup
Latitude:	47.3430926212
Longitude:	-122.311881105

Interaction:	89960
Interaction 1:	I
Interaction 2:	HWOTHER
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Shell Oil Products US SAP 121050
Program ID:	WAD988502845
Date Interaction:	2009-12-31 00:00:00
Date Interaction 3:	Haz Waste Management Acti
Latitude:	47.3430926212
Longitude:	-122.311881105

TEXACO 63-232-1486 (Continued) **U003027013**

Interaction:	35441
Interaction 1:	I
Interaction 2:	HWG
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	SHELL OIL PRODUCTS US SAP 121050
Program ID:	WAD988502845
Date Interaction:	1992-03-09 00:00:00
Date Interaction 3:	Hazardous Waste Generator
Latitude:	47.3430926212
Longitude:	-122.311881105

Interaction:	35444
Interaction 1:	I
Interaction 2:	HWG
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD988502845
Date Interaction:	2008-07-31 00:00:00
Date Interaction 3:	Hazardous Waste Generator
Latitude:	47.3430926212
Longitude:	-122.311881105

Interaction:	35440
Interaction 1:	I
Interaction 2:	TIER2
Ecology Program:	HAZWASTE
Program Data:	EPCRA
Facility Alt.:	Not reported
Program ID:	WAD988502845
Date Interaction:	1991-01-01 00:00:00
Date Interaction 3:	Emergency/Haz Chem Rpt TI
Latitude:	47.3430926212
Longitude:	-122.311881105

Interaction:	35442
Interaction 1:	I
Interaction 2:	LUST
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	Not reported
Program ID:	4479
Date Interaction:	1992-12-04 00:00:00
Date Interaction 3:	LUST Facility
Latitude:	47.3430926212
Longitude:	-122.311881105

SPILLS:

Name:	Not reported
Address:	28806 PACIFIC HWY S
City,State,Zip:	FEDERAL WAY, WA
Facility ID:	609586

TEXACO 63-232-1486 (Continued) **U003027013**

Medium:	Not reported
Material Desc:	PETROLEUM - GASOLINE
Material Qty:	Not reported
Material Units:	Not reported
Date Received:	11/15/2008
Contact Name:	UNKNOWN
Incident Date:	Not reported
Incident Category Type:	Not reported
Incident Category:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Source Type:	Not reported
Source:	Not reported
Vessel Facility Name2:	Not reported
Recovered Quantity:	Not reported
Resp Party Contact:	Not reported
Cause:	Not reported
Cause Type:	Not reported
Resp Party Name:	Not reported

WA MANIFEST:

Name:	SHELL OIL PRODUCTS US SAP 121050
Address:	28806 PACIFIC HWY S
City,State,Zip:	FEDERAL WAY, WA 98003
Facility Address 2:	Not reported
Facility ID:	27316879
EPA ID:	WAD988502845
NAICS:	447110
State Waste Code Desc:	Not reported
Federal Waste Code Desc:	Not reported
Form Comm:	Not reported
Data Year:	2010
Permit by Rule:	False
Mailing Address 2:	Not reported
Treatment by Generator:	False
Mixed Radioactive Waste:	False
Importer of Hazardous Waste:	False
Immediate Recycler:	False
Treatment/Storage/Disposal/Recycling Facility:	False
Generator of Dangerous Fuel Waste:	False
Generator Marketing to Burner:	False
Other Marketers (i.e., blender, distributor, etc.):	False
Utility Boiler Burner:	False
Industry Boiler Burner:	False
Industrial Furnace:	False
Smelter Defferal:	False
Universal Waste:	Not reported
Off-Specification:	Not reported
LN Address 2:	Not reported
Tax Reg #:	409019185
Business Type:	Gasoline Service Station
Mail Name:	Shell Oil Products US
Mailing Address:	P O Box 3127
Mailing City,State,Zip:	Houston, TX 77253
Legal Organization Name:	Equilon Enterprises LLC dba Shell Oil Pr
Legal Organization Type:	Private
Legal Contact:	Not reported

TEXACO 63-232-1486 (Continued) **U003027013**

Legal Address:	PO Box 2099
Legal Address 2:	Not reported
Legal City,State,Zip:	Houston, TX 77252
Legal Phone Number:	713-241-7008
Legal Effective Date:	03/02/2001
Land Organization Name:	Equilon Enterprises LLC dba Shell Oil Pr
Land Organization Type:	Private
Land Contact:	Not reported
Land Address:	PO Box 2099
Land City,State,Zip:	Houston, TX 77252
Land Phone Number:	713-241-7008
Operator Organization Name:	Shell Oil Products US
Operator Organization Type:	Private
Operator:	Not reported
Operator Address:	PO BOX 2099
Operator Address 2:	Not reported
Operator City,State,Zip:	Houston, TX 77252
Operator Phone Number:	713-241-7008
Operator Effective Date:	03/02/2001
Site Contact:	Ray Walding
Site Contact Address:	P O Box 3127
Contact City,State,Zip:	Houston, TX 77253
Site Contact Phone Number:	713-241-7008
Site Contact Email:	ray.walding@shell.com
Gen Status Code:	XQG
Monthly Generation:	False
Batch Generation:	False
One Time Generation:	False
Transport Own Waste:	False
Tranports Other Waste:	False
Recycler Onsite:	False
Transfer Facility:	False
Other Exemption:	Not reported
UW Battery Gen:	False
Used Oil Transporter:	False
Used Oil Transfer Facility:	False
Used Oil Processor:	False
Used Oil Refiner:	False
Used Oil Fuel Marketer Directs Shipments:	False
Used Oil Fuel Marketer Meets Specs:	False
Site Contact Address 2:	Not reported

Name:	SHELL OIL PRODUCTS US SAP 121050
Address:	28806 PACIFIC HWY S
City,State,Zip:	FEDERAL WAY, WA 98003
Facility Address 2:	Not reported
Facility ID:	27316879
EPA ID:	WAD988502845
NAICS:	447110
State Waste Code Desc:	Not reported
Federal Waste Code Desc:	Not reported
Form Comm:	Not reported
Data Year:	2009
Permit by Rule:	False
Mailing Address 2:	Not reported
Treatment by Generator:	False
Mixed Radioactive Waste:	False

TEXACO 63-232-1486 (Continued) **U003027013**

Importer of Hazardous Waste:	False
Immediate Recycler:	False
Treatment/Storage/Disposal/Recycling Facility:	False
Generator of Dangerous Fuel Waste:	False
Generator Marketing to Burner:	False
Other Marketers (i.e., blender, distributor, etc.):	False
Utility Boiler Burner:	False
Industry Boiler Burner:	False
Industrial Furnace:	False
Smelter Defferal:	False
Universal Waste:	Not reported
Off-Specification:	Not reported
LN Address 2:	Not reported
Tax Reg #:	409019185
Business Type:	Gasoline Service Station
Mail Name:	Shell Oil Products US
Mailing Address:	P O Box 3127
Mailing City,State,Zip:	Houston, TX 77253
Legal Organization Name:	Equilon Enterprises LLC dba Shell Oil Pr
Legal Organization Type:	Private
Legal Contact:	Not reported
Legal Address:	PO Box 2099
Legal Address 2:	Not reported
Legal City,State,Zip:	Houston, TX 77252
Legal Phone Number:	713-241-7008
Legal Effective Date:	03/02/2001
Land Organization Name:	Equilon Enterprises LLC dba Shell Oil Pr
Land Organization Type:	Private
Land Contact:	Not reported
Land Address:	PO Box 2099
Land City,State,Zip:	Houston, TX 77252
Land Phone Number:	713-241-7008
Operator Organization Name:	Shell Oil Products US
Operator Organization Type:	Private
Operator:	Not reported
Operator Address:	PO BOX 2099
Operator Address 2:	Not reported
Operator City,State,Zip:	Houston, TX 77252
Operator Phone Number:	713-241-7008
Operator Effective Date:	03/02/2001
Site Contact:	Ray Walding
Site Contact Address:	P O Box 3127
Contact City,State,Zip:	Houston, TX 77253
Site Contact Phone Number:	713-241-7008
Site Contact Email:	ray.walding@shell.com
Gen Status Code:	XQG
Monthly Generation:	False
Batch Generation:	False
One Time Generation:	False
Transport Own Waste:	False
Tranports Other Waste:	False
Recycler Onsite:	False
Transfer Facility:	False
Other Exemption:	Not reported
UW Battery Gen:	False
Used Oil Transporter:	False
Used Oil Transfer Facility:	False

TEXACO 63-232-1486 (Continued) **U003027013**

Used Oil Processor:	False
Used Oil Refiner:	False
Used Oil Fuel Marketer Directs Shipments:	False
Used Oil Fuel Marketer Meets Specs:	False
Site Contact Address 2:	Not reported
Name:	SHELL OIL PRODUCTS US SAP 121050
Address:	28806 PACIFIC HWY S
City,State,Zip:	FEDERAL WAY, WA 98003
Facility Address 2:	Not reported
Facility ID:	27316879
EPA ID:	WAD988502845
NAICS:	44711
State Waste Code Desc:	Not reported
Federal Waste Code Desc:	D001, D018
Form Comm:	Not reported
Data Year:	2008
Permit by Rule:	False
Mailing Address 2:	Not reported
Treatment by Generator:	False
Mixed Radioactive Waste:	False
Importer of Hazardous Waste:	False
Immediate Recycler:	False
Treatment/Storage/Disposal/Recycling Facility:	False
Generator of Dangerous Fuel Waste:	False
Generator Marketing to Burner:	False
Other Marketers (i.e., blender, distributor, etc.):	False
Utility Boiler Burner:	False
Industry Boiler Burner:	False
Industrial Furnace:	False
Smelter Defferal:	False
Universal Waste:	Not reported
Off-Specification:	Not reported
LN Address 2:	Not reported
Tax Reg #:	409019185
Business Type:	Gasoline Service Station
Mail Name:	Shell Oil Products US
Mailing Address:	12700 Northborough Dr NOB 300 F08
Mailing City,State,Zip:	Houston, TX 77067
Legal Organization Name:	Equilon Enterprises LLC dba Shell Oil Pr
Legal Organization Type:	Private
Legal Contact:	Not reported
Legal Address:	PO Box 2099
Legal Address 2:	Not reported
Legal City,State,Zip:	Houston, TX 77252
Legal Phone Number:	(281)874-2247
Legal Effective Date:	03/02/2001
Land Organization Name:	Equilon Enterprises LLC dba Shell Oil Pr
Land Organization Type:	Private
Land Contact:	Not reported
Land Address:	PO Box 2099
Land City,State,Zip:	Houston, TX 77252
Land Phone Number:	(281)874-2247
Operator Organization Name:	Shell Oil Products US
Operator Organization Type:	Private
Operator:	Not reported
Operator Address:	PO BOX 2099

TEXACO 63-232-1486 (Continued) **U003027013**

Operator Address 2:	Not reported
Operator City,State,Zip:	Houston, TX 77252
Operator Phone Number:	(281)874-2247
Operator Effective Date:	03/02/2001
Site Contact:	Ray Walding
Site Contact Address:	12700 Northborough Dr NOB 300 F08
Contact City,State,Zip:	Houston, TX 77067
Site Contact Phone Number:	(281)874-2247
Site Contact Email:	ray.walding@shell.com
Gen Status Code:	LQG
Monthly Generation:	False
Batch Generation:	False
One Time Generation:	False
Transport Own Waste:	False
Tranports Other Waste:	False
Recycler Onsite:	False
Transfer Facility:	False
Other Exemption:	Not reported
UW Battery Gen:	False
Used Oil Transporter:	False
Used Oil Transfer Facility:	False
Used Oil Processor:	False
Used Oil Refiner:	False
Used Oil Fuel Marketer Directs Shipments:	False
Used Oil Fuel Marketer Meets Specs:	False
Site Contact Address 2:	Not reported

Waste Stream Generated:

Waste Managed Off Site:	Y
State Only Waste Code 1:	Not reported
State Only Waste Code 2:	Not reported
Report Managed On Site:	0
KG Managed On Site:	0
Generator Treatment Code:	Not reported
Permit By Rule Code:	Not reported
WCDE Residence Code:	Not reported
WCDH Origin Code:	1
WCDE On Site Code:	Not reported
WCDB Code:	W113
Description:	RINSATE - GASOLINE
CORb Sequence Number:	117811
Sequence Number:	2003469
Mixed Radioactive Flag:	False
Designation Code:	D
Reported Quanity:	2410.3000000000002
Quanity Unit:	LB
Kilograms Quanity:	1093.3120988049682
Density Number:	0
Density Quanity:	Not reported

Shipments Send:

CORB Waste Sequence Number:	117811
Waste Sequence Number:	2003469
Sequence Number:	953998
Shipment Date:	11/12/2008
Mainfest Document ID:	003619340JJK
Reported Quanity:	2410.3

TEXACO 63-232-1486 (Continued) **U003027013**

Unit of Measure: LB
Kilograms Quanity: 1093.31209880497
Receiving EPAID: WAD991281767

Waste Stream Off Site Mgmt:
Waste CORB Sequence Number: 117811
Waste Sequence Number: 2003469
Sequence Number: 487120
Received EPAID: WAD991281767
Managed Quanity: 2410.3000000000002
Kilogram Quanity: 1093.3120988049682
Recycled Percentage: 0
Waste Management System Code: H061

Waste Stream EPA Code:
CORB Waste Sequence Number: 117811
Waste Sequence Number: 2003469
Sequence Number: 4278757
WCDA Code: D001

Waste Sequence Number: 2003469
Sequence Number: 4278758
WCDA Code: D018

Waste Stream Source Code:
CORB Waste Sequence Number: 117811
Waste Sequence Number: 2003469
Sequence Number: 1
WCDD Code: G13

---

30 **BREWER PROPERTY** **CSCSL** **S107747470**
ENE **29260 MILITARY RD S** **ALLSITES** **N/A**
1/2-1 **FEDERAL WAY, WA 98003**
0.641 mi.
3382 ft.

Relative:
Lower

Actual:
419 ft.

CSCSL:
Name: BREWER PROPERTY
Address: 29260 MILITARY RD S
City,State,Zip: FEDERAL WAY, WA 98003
Facility ID: 3641376
Region: Northwest
Lat/Long: 47.338989 / -122.299789
Clean Up Siteid: 245
Site Status: Awaiting Cleanup
Contaminant Name: Halogenated Organics
Alternate Site Names: BREWER APPLIANCE SALES & SERVICE
Site Rank: Not reported
Has Institutional Control: Not reported
Past VCP: Not reported
Current VCP: Not reported
Ground Water: Not reported
Surface Water: Not reported
Soil: Suspected
Sediment: Not reported

BREWER PROPERTY (Continued) **S107747470**

Air: Suspected
Bedrock: Not reported
Responsible Unit: Northwest

ALLSITES:
Name: BREWER PROPERTY
Facility Id: 3641376

Interaction: 13103
Interaction 1: A
Interaction 2: SCS
Ecology Program: TOXICS
Program Data: ISIS
Facility Alt.: Brewer Property
Program ID: Not reported
Date Interaction: 2006-03-29 00:00:00
Date Interaction 3: State Cleanup Site
Latitude: 47.338983392700001
Longitude: -122.299774175

31
South
1/2-1
0.708 mi.
3738 ft.

Relative:
Higher

Actual:
467 ft.

BUCKYS FEDERAL WAY
30924 PACIFIC HWY S
FEDERAL WAY, WA 98003

CSCSL **1000659634**
ALLSITES **WAD988493086**
RCRA NonGen / NLR
FINDS
ECHO
PTAP

CSCSL:
Name: BUCKYS COMPLETE AUTO REPAIR
Address: 30924 PACIFIC HWY S
City,State,Zip: FEDERAL WAY, WA 98003
Facility ID: 48858765
Region: Northwest
Lat/Long: 47.32449 / -122.31287
Clean Up Siteid: 14588
Site Status: Cleanup Started
Contaminant Name: Petroleum-Diesel
Alternate Site Names: Buckys Federal Way
Site Rank: Not reported
Has Institutional Control: Not reported
Past VCP: Not reported
Current VCP: Not reported
Ground Water: Not reported
Surface Water: Not reported
Soil: Confirmed Above Cleanup Levels
Sediment: Not reported
Air: Not reported
Bedrock: Not reported
Responsible Unit: Pollution Liability Ins Agcy

Name: BUCKYS COMPLETE AUTO REPAIR
Address: 30924 PACIFIC HWY S
City,State,Zip: FEDERAL WAY, WA 98003
Facility ID: 48858765
Region: Northwest
Lat/Long: 47.32449 / -122.31287

BUCKYS FEDERAL WAY (Continued) **1000659634**

Clean Up Siteid: 14588
Site Status: Cleanup Started
Contaminant Name: Petroleum-Gasoline
Alternate Site Names: Buckys Federal Way
Site Rank: Not reported
Has Institutional Control: Not reported
Past VCP: Not reported
Current VCP: Not reported
Ground Water: Not reported
Surface Water: Not reported
Soil: Confirmed Above Cleanup Levels
Sediment: Not reported
Air: Not reported
Bedrock: Not reported
Responsible Unit: Pollution Liability Ins Agcy

ALLSITES:
Name: BUCKYS FEDERAL WAY
Facility Id: 48858765

Interaction: 127226
Interaction 1: A
Interaction 2: UST
Ecology Program: TOXICS
Program Data: UST
Facility Alt.: Buckys Federal Way
Program ID: 620394
Date Interaction: 2018-06-21 00:00:00
Date Interaction 3: Underground Storage Tank
Latitude: 47.324484086699997
Longitude: -122.312867508

Interaction: 47736
Interaction 1: I
Interaction 2: HWG
Ecology Program: HAZWASTE
Program Data: TURBOWASTE
Facility Alt.: Not reported
Program ID: WAD988493086
Date Interaction: 1991-09-11 00:00:00
Date Interaction 3: Hazardous Waste Generator
Latitude: 47.324484086699997
Longitude: -122.312867508

Interaction: 127116
Interaction 1: A
Interaction 2: INDPNDNT
Ecology Program: TOXICS
Program Data: ISIS
Facility Alt.: Buckys Complete Auto Repair
Program ID: Not reported
Date Interaction: 2018-06-21 00:00:00
Date Interaction 3: Independent Cleanup
Latitude: 47.324484086699997
Longitude: -122.312867508

BUCKYS FEDERAL WAY (Continued) **1000659634**

RCRA NonGen / NLR:
Date form received by agency: 2005-03-01 00:00:00.0
Facility name: BUCKYS FEDERAL WAY
Facility address: 30924 PACIFIC HWY S
FEDERAL WAY, WA 98003
EPA ID: WAD988493086
Mailing address: 4711 PACIFIC HWY E
FIFE, WA 98424
Contact: KAYLA REITMEIER
Contact address: 4711 PACIFIC HWY E
FIFE, WA 98424
Contact country: US
Contact telephone: 253-922-1945
Contact email: BARBUCKY1@QWEST.NET
EPA Region: 10
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: BUCKYS FEDERAL WAY
Owner/operator address: 4711 PACIFIC HWY E
FIFE, WA 98424
Owner/operator country: US
Owner/operator telephone: 206-884-4747
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 1991-08-29 00:00:00.
Owner/Op end date: Not reported

Owner/operator name: AUSTIN, DENNIS
Owner/operator address: 9606 BEACH WOOD DR NW
GIG HARBOR, WA 98332
Owner/operator country: US
Owner/operator telephone: 206-884-4747
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: MIDWAY MUFFLER RAD INC
Owner/operator address: 4711 PACIFIC HWY
FIFE, WA 98424
Owner/operator country: US
Owner/operator telephone: 253-922-1945
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported

BUCKYS FEDERAL WAY (Continued) **1000659634**

Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 2005-02-28 00:00:00.0
Site name: BUCKYS FEDERAL WAY
Classification: Not a generator, verified

Date form received by agency: 2005-02-28 00:00:00.0
Site name: BUCKYS FEDERAL WAY
Classification: Not a generator, verified

Date form received by agency: 2005-02-28 00:00:00.0
Site name: BUCKYS FEDERAL WAY
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 2004-03-01 00:00:00.0
Site name: BUCKYS FEDERAL WAY
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 2003-12-31 00:00:00.0
Site name: BUCKYS FEDERAL WAY
Classification: Not a generator, verified

Date form received by agency: 2003-02-27 00:00:00.0
Site name: BUCKYS FEDERAL WAY
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 2002-02-25 00:00:00.0
Site name: BUCKYS FEDERAL WAY
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 2001-02-28 00:00:00.0
Site name: BUCKYS FEDERAL WAY
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 2000-03-03 00:00:00.0
Site name: BUCKYS FEDERAL WAY
Classification: Conditionally Exempt Small Quantity Generator

BUCKYS FEDERAL WAY (Continued) **1000659634**

Date form received by agency: 1999-01-05 00:00:00.0
Site name: BUCKYS FEDERAL WAY
Classification: Not a generator, verified

Date form received by agency: 1998-02-11 00:00:00.0
Site name: BUCKYS FEDERAL WAY
Classification: Not a generator, verified

Date form received by agency: 1997-06-05 00:00:00.0
Site name: BUCKYS FEDERAL WAY
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 1996-03-01 00:00:00.0
Site name: BUCKYS FEDERAL WAY
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 1993-12-31 00:00:00.0
Site name: BUCKYS FEDERAL WAY
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:
Registry ID: 110005365782
Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110005365782

Environmental Interest/Information System:
Washington Facility / Site Identification System (WA-FSIS) provides a means to query and display data maintained by the Washington Department of Ecology. This system contains key information for each facility/site that is currently, or has been, of interest to the Air Quality, Dam Safety, Hazardous Waste, Toxics Cleanup, and Water Quality Programs.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
HAZARDOUS WASTE BIENNIAL REPORTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000659634
Registry ID: 110005365782
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110005365782
Name: BUCKYS FEDERAL WAY
Address: 30924 PACIFIC HWY S
City,State,Zip: FEDERAL WAY, WA 98003

PTAP:
Name: BUCKY'S FEDERAL WAY
Address: 30924 PACIFIC HIGHWAY SOUTH
City,State,Zip: FEDERAL WAY, WA 98003
Site ID: PNW073

BUCKYS FEDERAL WAY (Continued) **1000659634**

FSID Number: 48858765
Entry Date: 06/13/2018
Status: In Progress

32
NE
1/2-1
0.715 mi.
3776 ft.

Relative:
Higher

Actual:
455 ft.

CHEVRON USA INC SS 98473 **CSCSL 1000658913**
28806 MILITARY RD S **LUST WAD988485702**
FEDERAL WAY, WA 98003 **UST**
ICR
ALLSITES
RCRA NonGen / NLR
FINDS
ECHO

CSCSL:

Name:	CHEVRON 98473
Address:	28806 MILITARY RD S
City,State,Zip:	FEDERAL WAY, WA 98003
Facility ID:	36449927
Region:	Northwest
Lat/Long:	47.34286 / -122.30073
Clean Up Siteid:	5951
Site Status:	Cleanup Started
Contaminant Name:	Benzene
Alternate Site Names:	BELL UNIVERSAL,Chevron USA Inc SS 98473
Site Rank:	Not reported
Has Institutional Control:	Not reported
Past VCP:	True
Current VCP:	Not reported
Ground Water:	Confirmed Above Cleanup Levels
Surface Water:	Not reported
Soil:	Confirmed Above Cleanup Levels
Sediment:	Not reported
Air:	Not reported
Bedrock:	Not reported
Responsible Unit:	Northwest

Name:	CHEVRON 98473
Address:	28806 MILITARY RD S
City,State,Zip:	FEDERAL WAY, WA 98003
Facility ID:	36449927
Region:	Northwest
Lat/Long:	47.34286 / -122.30073
Clean Up Siteid:	5951
Site Status:	Cleanup Started
Contaminant Name:	Lead
Alternate Site Names:	BELL UNIVERSAL,Chevron USA Inc SS 98473
Site Rank:	Not reported
Has Institutional Control:	Not reported
Past VCP:	True
Current VCP:	Not reported
Ground Water:	Confirmed Above Cleanup Levels
Surface Water:	Not reported
Soil:	Confirmed Above Cleanup Levels
Sediment:	Not reported
Air:	Not reported
Bedrock:	Not reported
Responsible Unit:	Northwest

CHEVRON USA INC SS 98473 (Continued) **1000658913**

Name: CHEVRON 98473
Address: 28806 MILITARY RD S
City,State,Zip: FEDERAL WAY, WA 98003
Facility ID: 36449927
Region: Northwest
Lat/Long: 47.34286 / -122.30073
Clean Up Siteid: 5951
Site Status: Cleanup Started
Contaminant Name: Non-Halogenated Solvents
Alternate Site Names: BELL UNIVERSAL,Chevron USA Inc SS 98473
Site Rank: Not reported
Has Institutional Control: Not reported
Past VCP: True
Current VCP: Not reported
Ground Water: Confirmed Above Cleanup Levels
Surface Water: Not reported
Soil: Confirmed Above Cleanup Levels
Sediment: Not reported
Air: Not reported
Bedrock: Not reported
Responsible Unit: Northwest

Name: CHEVRON 98473
Address: 28806 MILITARY RD S
City,State,Zip: FEDERAL WAY, WA 98003
Facility ID: 36449927
Region: Northwest
Lat/Long: 47.34286 / -122.30073
Clean Up Siteid: 5951
Site Status: Cleanup Started
Contaminant Name: Petroleum-Diesel
Alternate Site Names: BELL UNIVERSAL,Chevron USA Inc SS 98473
Site Rank: Not reported
Has Institutional Control: Not reported
Past VCP: True
Current VCP: Not reported
Ground Water: Confirmed Above Cleanup Levels
Surface Water: Not reported
Soil: Confirmed Above Cleanup Levels
Sediment: Not reported
Air: Not reported
Bedrock: Not reported
Responsible Unit: Northwest

Name: CHEVRON 98473
Address: 28806 MILITARY RD S
City,State,Zip: FEDERAL WAY, WA 98003
Facility ID: 36449927
Region: Northwest
Lat/Long: 47.34286 / -122.30073
Clean Up Siteid: 5951
Site Status: Cleanup Started
Contaminant Name: Petroleum-Gasoline
Alternate Site Names: BELL UNIVERSAL,Chevron USA Inc SS 98473
Site Rank: Not reported
Has Institutional Control: Not reported
Past VCP: True

CHEVRON USA INC SS 98473 (Continued) **1000658913**

Current VCP: Not reported
Ground Water: Confirmed Above Cleanup Levels
Surface Water: Not reported
Soil: Confirmed Above Cleanup Levels
Sediment: Not reported
Air: Not reported
Bedrock: Not reported
Responsible Unit: Northwest

LUST:
Name: CHEVRON 98473
Address: 28806 MILITARY RD S
City,State,Zip: FEDERAL WAY, WA 98003
Facility ID: 36449927
Lust Status Type: LUST - Cleanup Started
Cleanup Site ID: 5951
Cleanup Unit Type: Upland
Process Type: Independent Action
Cleanup Unit Name: BELL UNIVERSAL,Chevron USA Inc SS 98473
Response Section: Northwest
Release Date: 04/07/1994
Lust Date: 06/01/1995
Region: Northwest
Lust ID: 3392
UST ID: 5248
Contaminant Name: Lead
Ground Water: Confirmed Above Cleanup Levels
Surface Water: Not reported
Soil: Confirmed Above Cleanup Levels
Sediment: Not reported
Air: Not reported
Bedrock: Not reported
Lat/Long: 47.34286 / -122.30073

Name: CHEVRON 98473
Address: 28806 MILITARY RD S
City,State,Zip: FEDERAL WAY, WA 98003
Facility ID: 36449927
Lust Status Type: LUST - Cleanup Started
Cleanup Site ID: 5951
Cleanup Unit Type: Upland
Process Type: Independent Action
Cleanup Unit Name: BELL UNIVERSAL,Chevron USA Inc SS 98473
Response Section: Northwest
Release Date: 04/07/1994
Lust Date: 06/01/1995
Region: Northwest
Lust ID: 3392
UST ID: 5248
Contaminant Name: Non-Halogenated Solvents
Ground Water: Confirmed Above Cleanup Levels
Surface Water: Not reported
Soil: Confirmed Above Cleanup Levels
Sediment: Not reported
Air: Not reported
Bedrock: Not reported
Lat/Long: 47.34286 / -122.30073

CHEVRON USA INC SS 98473 (Continued) **1000658913**

Name:	CHEVRON 98473
Address:	28806 MILITARY RD S
City,State,Zip:	FEDERAL WAY, WA 98003
Facility ID:	36449927
Lust Status Type:	LUST - Cleanup Started
Cleanup Site ID:	5951
Cleanup Unit Type:	Upland
Process Type:	Independent Action
Cleanup Unit Name:	BELL UNIVERSAL,Chevron USA Inc SS 98473
Response Section:	Northwest
Release Date:	04/07/1994
Lust Date:	06/01/1995
Region:	Northwest
Lust ID:	3392
UST ID:	5248
Contaminant Name:	Petroleum-Gasoline
Ground Water:	Confirmed Above Cleanup Levels
Surface Water:	Not reported
Soil:	Confirmed Above Cleanup Levels
Sediment:	Not reported
Air:	Not reported
Bedrock:	Not reported
Lat/Long:	47.34286 / -122.30073

Name:	CHEVRON 98473
Address:	28806 MILITARY RD S
City,State,Zip:	FEDERAL WAY, WA 98003
Facility ID:	36449927
Lust Status Type:	LUST - Cleanup Started
Cleanup Site ID:	5951
Cleanup Unit Type:	Upland
Process Type:	Independent Action
Cleanup Unit Name:	BELL UNIVERSAL,Chevron USA Inc SS 98473
Response Section:	Northwest
Release Date:	04/07/1994
Lust Date:	06/01/1995
Region:	Northwest
Lust ID:	3392
UST ID:	5248
Contaminant Name:	Petroleum-Diesel
Ground Water:	Confirmed Above Cleanup Levels
Surface Water:	Not reported
Soil:	Confirmed Above Cleanup Levels
Sediment:	Not reported
Air:	Not reported
Bedrock:	Not reported
Lat/Long:	47.34286 / -122.30073

Name:	CHEVRON 98473
Address:	28806 MILITARY RD S
City,State,Zip:	FEDERAL WAY, WA 98003
Facility ID:	36449927
Lust Status Type:	LUST - Cleanup Started
Cleanup Site ID:	5951
Cleanup Unit Type:	Upland
Process Type:	Independent Action
Cleanup Unit Name:	BELL UNIVERSAL,Chevron USA Inc SS 98473

CHEVRON USA INC SS 98473 (Continued) **1000658913**

Response Section:	Northwest
Release Date:	04/07/1994
Lust Date:	06/01/1995
Region:	Northwest
Lust ID:	3392
UST ID:	5248
Contaminant Name:	Benzene
Ground Water:	Confirmed Above Cleanup Levels
Surface Water:	Not reported
Soil:	Confirmed Above Cleanup Levels
Sediment:	Not reported
Air:	Not reported
Bedrock:	Not reported
Lat/Long:	47.34286 / -122.30073

UST:

Name:	CHEVRON 98473
Address:	28806 MILITARY RD S
City:	FEDERAL WAY
Zip:	98003
Facility ID:	36449927
Site Id:	5248
UBI:	Not reported
Phone Number:	Not reported
Decimal Latitude:	47.34286
Decimal Longitude:	-122.30073

Tank Name:	1
Tag Number:	Not reported
Tank Status:	Removed
Tank Status Date:	10/29/1997
Tank Install Date:	01/01/1982
Tank Closure Date:	10/29/1997
Capacity Range:	5,000 to 9,999 Gallons
Tank Permit Expiration Date:	Not reported
Tank Upgrade Date:	Not reported
Tank Spill Prevention:	None
Tank Overfill Prevention:	Ball Float Valve (vent line)
Tank Material:	Fiberglass Reinforced Plastic
Tank Construction:	Single Wall Tank
Tank Tightness Test:	Annual
Tank Corrosion Protection:	Corrosion Resistant
Tank Manifold:	Not reported
Tank Release Detection:	Manual Inventory Control (daily)
Tank SFC Type:	Not reported
Pipe Material:	Fiberglass
Pipe Construction:	Single Wall Pipe
Pipe Primary Release Detection:	Automatic Line Leak Detector (ALLD)
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Corrosion Resistant
Pipe Pumping System:	Pressurized System
Responsible Unit:	Northwest
Dispencer/Pump SFC Type:	Not reported

Name:	CHEVRON 98473
Address:	28806 MILITARY RD S
City:	FEDERAL WAY

CHEVRON USA INC SS 98473 (Continued) **1000658913**

Zip:	98003
Tank Name:	2
Tag Number:	Not reported
Tank Status:	Removed
Tank Status Date:	10/29/1997
Tank Install Date:	01/01/1982
Tank Closure Date:	10/29/1997
Capacity Range:	5,000 to 9,999 Gallons
Tank Permit Expiration Date:	Not reported
Tank Upgrade Date:	Not reported
Tank Spill Prevention:	None
Tank Overfill Prevention:	Ball Float Valve (vent line)
Tank Material:	Fiberglass Reinforced Plastic
Tank Construction:	Single Wall Tank
Tank Tightness Test:	Annual
Tank Corrosion Protection:	Corrosion Resistant
Tank Manifold:	Not reported
Tank Release Detection:	Manual Inventory Control (daily)
Tank SFC Type:	Not reported
Pipe Material:	Fiberglass
Pipe Construction:	Single Wall Pipe
Pipe Primary Release Detection:	Automatic Line Leak Detector (ALLD)
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Corrosion Resistant
Pipe Pumping System:	Pressurized System
Responsible Unit:	Northwest
Dispencer/Pump SFC Type:	Not reported
Name:	CHEVRON 98473
Address:	28806 MILITARY RD S
City:	FEDERAL WAY
Zip:	98003
Tank Name:	3
Tag Number:	Not reported
Tank Status:	Removed
Tank Status Date:	10/29/1997
Tank Install Date:	01/01/1982
Tank Closure Date:	10/29/1997
Capacity Range:	10,000 to 19,999 Gallons
Tank Permit Expiration Date:	Not reported
Tank Upgrade Date:	Not reported
Tank Spill Prevention:	None
Tank Overfill Prevention:	Ball Float Valve (vent line)
Tank Material:	Fiberglass Reinforced Plastic
Tank Construction:	Single Wall Tank
Tank Tightness Test:	Annual
Tank Corrosion Protection:	Corrosion Resistant
Tank Manifold:	Not reported
Tank Release Detection:	Manual Inventory Control (daily)
Tank SFC Type:	Not reported
Pipe Material:	Fiberglass
Pipe Construction:	Single Wall Pipe
Pipe Primary Release Detection:	Automatic Line Leak Detector (ALLD)
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Corrosion Resistant

CHEVRON USA INC SS 98473 (Continued) **1000658913**

Pipe Pumping System:	Pressurized System
Responsible Unit:	Northwest
Dispencer/Pump SFC Type:	Not reported
Name:	CHEVRON 98473
Address:	28806 MILITARY RD S
City:	FEDERAL WAY
Zip:	98003
Tank Name:	4
Tag Number:	Not reported
Tank Status:	Removed
Tank Status Date:	10/29/1997
Tank Install Date:	01/01/1982
Tank Closure Date:	10/29/1997
Capacity Range:	5,000 to 9,999 Gallons
Tank Permit Expiration Date:	Not reported
Tank Upgrade Date:	Not reported
Tank Spill Prevention:	None
Tank Overfill Prevention:	Ball Float Valve (vent line)
Tank Material:	Fiberglass Reinforced Plastic
Tank Construction:	Single Wall Tank
Tank Tightness Test:	Annual
Tank Corrosion Protection:	Corrosion Resistant
Tank Manifold:	Not reported
Tank Release Detection:	Manual Inventory Control (daily)
Tank SFC Type:	Not reported
Pipe Material:	Fiberglass
Pipe Construction:	Single Wall Pipe
Pipe Primary Release Detection:	Automatic Line Leak Detector (ALLD)
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Corrosion Resistant
Pipe Pumping System:	Pressurized System
Responsible Unit:	Northwest
Dispencer/Pump SFC Type:	Not reported
Name:	CHEVRON 98473
Address:	28806 MILITARY RD S
City:	FEDERAL WAY
Zip:	98003
Tank Name:	5
Tag Number:	Not reported
Tank Status:	Removed
Tank Status Date:	10/29/1997
Tank Install Date:	12/31/1964
Tank Closure Date:	10/29/1997
Capacity Range:	111 TO 1,100 Gallons
Tank Permit Expiration Date:	Not reported
Tank Upgrade Date:	Not reported
Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Fiberglass Reinforced Plastic
Tank Construction:	Single Wall Tank
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Not reported
Tank Manifold:	Not reported

CHEVRON USA INC SS 98473 (Continued) **1000658913**

Tank Release Detection: Not reported
Tank SFC Type: Not reported
Pipe Material: Fiberglass
Pipe Construction: Not reported
Pipe Primary Release Detection: Not reported
Pipe Second Release Detection: Not reported
Pipe Corrosion Protection: Not reported
Pipe Pumping System: Not reported
Responsible Unit: Northwest
Dispencer/Pump SFC Type: Not reported

Name: CHEVRON 98473
Address: 28806 MILITARY RD S
City: FEDERAL WAY
Zip: 98003

Tank Name: 6
Tag Number: Not reported
Tank Status: Removed
Tank Status Date: 10/29/1997
Tank Install Date: 01/10/1982
Tank Closure Date: 10/29/1997
Capacity Range: 111 TO 1,100 Gallons
Tank Permit Expiration Date: Not reported
Tank Upgrade Date: Not reported
Tank Spill Prevention: 25 Gallons or less
Tank Overfill Prevention: 25 Gallons or less
Tank Material: Fiberglass Reinforced Plastic
Tank Construction: Single Wall Tank
Tank Tightness Test: Annual
Tank Corrosion Protection: Corrosion Resistant
Tank Manifold: Not reported
Tank Release Detection: Weekly Manual Gauging
Tank SFC Type: Not reported
Pipe Material: Fiberglass
Pipe Construction: Single Wall Pipe
Pipe Primary Release Detection: Not reported
Pipe Second Release Detection: Not reported
Pipe Corrosion Protection: Corrosion Resistant
Pipe Pumping System: Product Removed by Reclaimer
Responsible Unit: Northwest
Dispencer/Pump SFC Type: Not reported

Name: CHEVRON 98473
Address: 28806 MILITARY RD S
City: FEDERAL WAY
Zip: 98003

Tank Name: 7
Tag Number: Not reported
Tank Status: Closed in Place
Tank Status Date: 08/06/1996
Tank Install Date: 12/31/1964
Tank Closure Date: Not reported
Capacity Range: 111 TO 1,100 Gallons
Tank Permit Expiration Date: Not reported
Tank Upgrade Date: Not reported

CHEVRON USA INC SS 98473 (Continued) **1000658913**

Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Steel
Tank Construction:	Single Wall Tank
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Not reported
Tank Manifold:	Not reported
Tank Release Detection:	Not reported
Tank SFC Type:	Not reported
Pipe Material:	Steel
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Pipe Pumping System:	Not reported
Responsible Unit:	Northwest
Dispencer/Pump SFC Type:	Not reported

ICR:

Date Ecology Received Report:	03/12/98
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Soil
Waste Management:	Tank
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	98-02
County Code:	17
Contact:	Not reported
Report Title:	Not reported

Date Ecology Received Report:	03/12/98
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Soil
Waste Management:	Tank
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	98-01
County Code:	17
Contact:	Not reported
Report Title:	Not reported

Date Ecology Received Report:	03/05/98
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Soil
Waste Management:	Tank
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	98-03
County Code:	17
Contact:	Not reported
Report Title:	Not reported

Date Ecology Received Report:	08/07/98
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Soil
Waste Management:	Tank
Region:	North Western

CHEVRON USA INC SS 98473 (Continued) **1000658913**

Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 98-14
County Code: 17
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 06/05/00
Contaminants Found at Site: Petroleum products
Media Contaminated: Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 98-28
County Code: 17
Contact: Not reported
Report Title: Sampling - March 2000

Date Ecology Received Report: 08/18/94
Contaminants Found at Site: Petroleum products
Media Contaminated: Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 93-35
County Code: 17
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 02/12/01
Contaminants Found at Site: Petroleum products
Media Contaminated: Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 98-42
County Code: 17
Contact: Not reported
Report Title: Ground Water Monitoring - December 2000

Date Ecology Received Report: 01/03/01
Contaminants Found at Site: Petroleum products
Media Contaminated: Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 98-32
County Code: 17
Contact: Not reported
Report Title: Ground Water Monitoring and Sampling Report

Date Ecology Received Report: 05/30/01
Contaminants Found at Site: Petroleum products
Media Contaminated: Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 98-37

CHEVRON USA INC SS 98473 (Continued) **1000658913**

County Code:	17
Contact:	Not reported
Report Title:	Ground Water Monitoring and Sampling - 3/29/01
Date Ecology Received Report:	03/19/01
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Soil
Waste Management:	Tank
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	98-37
County Code:	17
Contact:	Not reported
Report Title:	Monitoring - June 2000
Date Ecology Received Report:	12/13/02
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Soil
Waste Management:	Tank
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	98-55
County Code:	17
Contact:	Not reported
Report Title:	October 2002 Ground Water Monitoring

ALLSITES:

Name:	CHEVRON USA INC SS 98473
Facility Id:	36449927
Interaction:	40661
Interaction 1:	I
Interaction 2:	UST
Ecology Program:	TOXICS
Program Data:	UST
Facility Alt.:	Not reported
Program ID:	5248
Date Interaction:	2000-03-20 00:00:00
Date Interaction 3:	Underground Storage Tank
Latitude:	47.342854393300001
Longitude:	-122.300715174
Interaction:	40658
Interaction 1:	I
Interaction 2:	TIER2
Ecology Program:	HAZWASTE
Program Data:	EPCRA
Facility Alt.:	Not reported
Program ID:	WAD988485702
Date Interaction:	1988-01-01 00:00:00
Date Interaction 3:	Emergency/Haz Chem Rpt TI
Latitude:	47.342854393300001
Longitude:	-122.300715174
Interaction:	40659

CHEVRON USA INC SS 98473 (Continued) **1000658913**

Interaction 1:	I
Interaction 2:	HWG
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD988485702
Date Interaction:	1991-05-08 00:00:00
Date Interaction 3:	Hazardous Waste Generator
Latitude:	47.342854393300001
Longitude:	-122.300715174

Interaction:	40660
Interaction 1:	A
Interaction 2:	LUST
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	Not reported
Program ID:	5248
Date Interaction:	1994-04-07 00:00:00
Date Interaction 3:	LUST Facility
Latitude:	47.342854393300001
Longitude:	-122.300715174

Interaction:	40662
Interaction 1:	I
Interaction 2:	VOLCLNST
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	Chevron USA Inc SS 98473
Program ID:	NW1568
Date Interaction:	2006-02-07 00:00:00
Date Interaction 3:	Voluntary Cleanup Sites
Latitude:	47.342854393300001
Longitude:	-122.300715174

RCRA NonGen / NLR:

Date form received by agency:	1998-10-12 00:00:00.0
Facility name:	CHEVRON USA INC SS 98473
Facility address:	28806 MILITARY RD S FEDERAL WAY, WA 98003
EPA ID:	WAD988485702
Mailing address:	PO BOX 8317 FEDERAL WAY, WA 98003-0317
Contact:	Not reported
Contact address:	28806 MILITARY RD S FEDERAL WAY, WA 98003
Contact country:	Not reported
Contact telephone:	000-000-0000
Contact email:	Not reported
EPA Region:	10
Land type:	Other land type
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

CHEVRON USA INC SS 98473 (Continued) **1000658913**

Owner/Operator Summary:

Owner/operator name:	SEE PAPER COPY
Owner/operator address:	28806 MILITARY RD S FEDERAL WAY, WA 98003
Owner/operator country:	Not reported
Owner/operator telephone:	000-000-0000
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	CHEVRON USA INC SS 98473
Owner/operator address:	28806 MILITARY RD S FEDERAL WAY, WA 98003
Owner/operator country:	US
Owner/operator telephone:	000-000-0000
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	CHEVRON USA INC SS 98473
Owner/operator address:	28806 MILITARY RD S FEDERAL WAY, WA 98003
Owner/operator country:	US
Owner/operator telephone:	000-000-0000
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	CHEVRON INC
Owner/operator address:	28806 MILITARY RD S FEDERAL WAY, WA 98003
Owner/operator country:	US
Owner/operator telephone:	000-000-0000
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No

CHEVRON USA INC SS 98473 (Continued) **1000658913**

Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	1998-10-12 00:00:00.0
Site name:	CHEVRON USA INC SS 98473
Classification:	Not a generator, verified

Date form received by agency:	1993-12-31 00:00:00.0
Site name:	CHEVRON USA INC SS 98473
Classification:	Small Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date:	1991-10-17 00:00:00.0
Evaluation:	COMPLIANCE ASSISTANCE VISIT
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State

FINDS:

Registry ID:	110005360554
Facility URL:	http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110005360554

Environmental Interest/Information System:

Washington Facility / Site Identification System (WA-FSIS) provides a means to query and display data maintained by the Washington Department of Ecology. This system contains key information for each facility/site that is currently, or has been, of interest to the Air Quality, Dam Safety, Hazardous Waste, Toxics Cleanup, and Water Quality Programs.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000658913
Registry ID:	110005360554
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110005360554

CHEVRON USA INC SS 98473 (Continued) **1000658913**

Name: CHEVRON USA INC SS 98473
Address: 28806 MILITARY RD S
City,State,Zip: FEDERAL WAY, WA 98003

33
SW
1/2-1
0.775 mi.
4090 ft.

NIEDERLE PROPERTY
455 S 305TH ST
FEDERAL WAY, WA 98003

HSL **1007080409**
CSCSL **N/A**
ALLSITES
FINDS

Relative:
Lower

Actual:
399 ft.

HSL:

Name:	NIEDERLE PROPERTY
Address:	Not reported
City,State,Zip:	FEDERAL WAY, WA
edr_fstat:	WA
edr_fzip:	Not reported
edr_fcnty:	KING
edr_zip:	Not reported
Facility Type:	**Hazardous Sites List**
Facility Status:	Awaiting Cleanup
FSID Number:	2579
Rank:	5
Region:	NW
EDR Link ID:	2579
Region Decode:	NORTHWEST REGIONAL OFFICE

CSCSL:

Name:	NIEDERLE PROPERTY
Address:	455 S 305TH ST
City,State,Zip:	FEDERAL WAY, WA 98003
Facility ID:	2579
Region:	Northwest
Lat/Long:	47.32859 / -122.32703
Clean Up Siteid:	297
Site Status:	Awaiting Cleanup
Contaminant Name:	Conventional Contaminants, Organic
Alternate Site Names:	Not reported
Site Rank:	5 - Lowest Assessed Risk
Has Institutional Control:	Not reported
Past VCP:	Not reported
Current VCP:	Not reported
Ground Water:	Not reported
Surface Water:	Not reported
Soil:	Suspected
Sediment:	Not reported
Air:	Not reported
Bedrock:	Not reported
Responsible Unit:	Northwest

Name:	NIEDERLE PROPERTY
Address:	455 S 305TH ST
City,State,Zip:	FEDERAL WAY, WA 98003
Facility ID:	2579
Region:	Northwest
Lat/Long:	47.32859 / -122.32703
Clean Up Siteid:	297
Site Status:	Awaiting Cleanup

NIEDERLE PROPERTY (Continued) **1007080409**

Contaminant Name: Metals Priority Pollutants
Alternate Site Names: Not reported
Site Rank: 5 - Lowest Assessed Risk
Has Institutional Control: Not reported
Past VCP: Not reported
Current VCP: Not reported
Ground Water: Not reported
Surface Water: Not reported
Soil: Suspected
Sediment: Not reported
Air: Not reported
Bedrock: Not reported
Responsible Unit: Northwest

Name: NIEDERLE PROPERTY
Address: 455 S 305TH ST
City,State,Zip: FEDERAL WAY, WA 98003
Facility ID: 2579
Region: Northwest
Lat/Long: 47.32859 / -122.32703
Clean Up Siteid: 297
Site Status: Awaiting Cleanup
Contaminant Name: Petroleum Products-Unspecified
Alternate Site Names: Not reported
Site Rank: 5 - Lowest Assessed Risk
Has Institutional Control: Not reported
Past VCP: Not reported
Current VCP: Not reported
Ground Water: Suspected
Surface Water: Not reported
Soil: Confirmed Above Cleanup Levels
Sediment: Not reported
Air: Not reported
Bedrock: Not reported
Responsible Unit: Northwest

ALLSITES:
Name: NIEDERLE PROPERTY
Facility Id: 2579

Interaction: 4876
Interaction 1: A
Interaction 2: SCS
Ecology Program: TOXICS
Program Data: ISIS
Facility Alt.: NIEDERLE PROPERTY
Program ID: Not reported
Date Interaction: 1900-01-01 00:00:00
Date Interaction 3: State Cleanup Site
Latitude: 47.3285843962
Longitude: -122.32701517300001

FINDS:
Registry ID: 110015571282
Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_

NIEDERLE PROPERTY (Continued) **1007080409**

registry_id=110015571282

Environmental Interest/Information System:
Washington Facility / Site Identification System (WA-FSIS) provides a means to query and display data maintained by the Washington Department of Ecology. This system contains key information for each facility/site that is currently, or has been, of interest to the Air Quality, Dam Safety, Hazardous Waste, Toxics Cleanup, and Water Quality Programs.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

34
NE
1/2-1
0.784 mi.
4139 ft.

CONOCOPHILLIPS COMPANY 2611068
28718 MILITARY RD
FEDERAL WAY, WA 98003

CSCSL **U000801899**
LUST **N/A**
UST
ALLSITES

Relative:
Higher

Actual:
463 ft.

CSCSL:

Name:	ARCO 11068
Address:	28718 MILITARY RD
City,State,Zip:	FEDERAL WAY, WA 98003
Facility ID:	64882187
Region:	Northwest
Lat/Long:	47.34373 / -122.30075
Clean Up Siteid:	10028
Site Status:	Cleanup Started
Contaminant Name:	Benzene
Alternate Site Names:	BP Service Station 11068,BP SERVICE STATION MILITARY RD,CONOCOPHILLIPS 30131,CONOCOPHILLIPS COMPANY 2611068,TOSCO 1106830131
Site Rank:	Not reported
Has Institutional Control:	Not reported
Past VCP:	True
Current VCP:	Not reported
Ground Water:	Confirmed Above Cleanup Levels
Surface Water:	Not reported
Soil:	Confirmed Above Cleanup Levels
Sediment:	Not reported
Air:	Not reported
Bedrock:	Not reported
Responsible Unit:	Northwest

Name:	ARCO 11068
Address:	28718 MILITARY RD
City,State,Zip:	FEDERAL WAY, WA 98003
Facility ID:	64882187
Region:	Northwest
Lat/Long:	47.34373 / -122.30075
Clean Up Siteid:	10028
Site Status:	Cleanup Started
Contaminant Name:	Petroleum-Gasoline
Alternate Site Names:	BP Service Station 11068,BP SERVICE STATION MILITARY RD,CONOCOPHILLIPS 30131,CONOCOPHILLIPS COMPANY 2611068,TOSCO 1106830131
Site Rank:	Not reported
Has Institutional Control:	Not reported
Past VCP:	True
Current VCP:	Not reported
Ground Water:	Confirmed Above Cleanup Levels

CONOCOPHILLIPS COMPANY 2611068 (Continued) **U000801899**

Surface Water: Not reported
Soil: Confirmed Above Cleanup Levels
Sediment: Not reported
Air: Not reported
Bedrock: Not reported
Responsible Unit: Northwest

LUST:
Name: ARCO 11068
Address: 28718 MILITARY RD
City,State,Zip: FEDERAL WAY, WA 98003
Facility ID: 64882187
Lust Status Type: LUST - Cleanup Started
Cleanup Site ID: 10028
Cleanup Unit Type: Upland
Process Type: Independent Action
Cleanup Unit Name: BP Service Station 11068,BP SERVICE STATION MILITARY RD,CONOCOPHILLIPS 30131,CONOCOPHILLIPS COMPANY 2611068,TOSCO 1106830131
Response Section: Northwest
Release Date: 05/09/1991
Lust Date: 06/01/1995
Region: Northwest
Lust ID: 978
UST ID: 10173
Contaminant Name: Benzene
Ground Water: Confirmed Above Cleanup Levels
Surface Water: Not reported
Soil: Confirmed Above Cleanup Levels
Sediment: Not reported
Air: Not reported
Bedrock: Not reported
Lat/Long: 47.34373 / -122.30075

Name: ARCO 11068
Address: 28718 MILITARY RD
City,State,Zip: FEDERAL WAY, WA 98003
Facility ID: 64882187
Lust Status Type: LUST - Cleanup Started
Cleanup Site ID: 10028
Cleanup Unit Type: Upland
Process Type: Independent Action
Cleanup Unit Name: BP Service Station 11068,BP SERVICE STATION MILITARY RD,CONOCOPHILLIPS 30131,CONOCOPHILLIPS COMPANY 2611068,TOSCO 1106830131
Response Section: Northwest
Release Date: 05/09/1991
Lust Date: 06/01/1995
Region: Northwest
Lust ID: 978
UST ID: 10173
Contaminant Name: Petroleum-Gasoline
Ground Water: Confirmed Above Cleanup Levels
Surface Water: Not reported
Soil: Confirmed Above Cleanup Levels
Sediment: Not reported
Air: Not reported
Bedrock: Not reported
Lat/Long: 47.34373 / -122.30075

CONOCOPHILLIPS COMPANY 2611068 (Continued) **U000801899**

UST:

Name:	CONOCOPHILLIPS COMPANY 2611068
Address:	28718 MILITARY RD
City:	FEDERAL WAY
Zip:	98003
Facility ID:	64882187
Site Id:	10173
UBI:	Not reported
Phone Number:	Not reported
Decimal Latitude:	47.34373
Decimal Longitude:	-122.30075
Tank Name:	1
Tag Number:	Not reported
Tank Status:	Removed
Tank Status Date:	08/06/1996
Tank Install Date:	01/01/1972
Tank Closure Date:	Not reported
Capacity Range:	Not reported
Tank Permit Expiration Date:	Not reported
Tank Upgrade Date:	Not reported
Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Steel
Tank Construction:	Single Wall Tank
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Not reported
Tank Manifold:	Not reported
Tank Release Detection:	Not reported
Tank SFC Type:	Not reported
Pipe Material:	Steel
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Pipe Pumping System:	Pressurized System
Responsible Unit:	Northwest
Dispencer/Pump SFC Type:	Not reported
Name:	CONOCOPHILLIPS COMPANY 2611068
Address:	28718 MILITARY RD
City:	FEDERAL WAY
Zip:	98003
Tank Name:	2
Tag Number:	Not reported
Tank Status:	Removed
Tank Status Date:	08/06/1996
Tank Install Date:	01/01/1970
Tank Closure Date:	Not reported
Capacity Range:	Not reported
Tank Permit Expiration Date:	Not reported
Tank Upgrade Date:	Not reported
Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Steel
Tank Construction:	Single Wall Tank

CONOCOPHILLIPS COMPANY 2611068 (Continued) **U000801899**

Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Not reported
Tank Manifold:	Not reported
Tank Release Detection:	Manual Inventory Control (daily)
Tank SFC Type:	Not reported
Pipe Material:	Steel
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Pipe Pumping System:	Pressurized System
Responsible Unit:	Northwest
Dispencer/Pump SFC Type:	Not reported

Name:	CONOCOPHILLIPS COMPANY 2611068
Address:	28718 MILITARY RD
City:	FEDERAL WAY
Zip:	98003

Tank Name:	3
Tag Number:	Not reported
Tank Status:	Removed
Tank Status Date:	08/06/1996
Tank Install Date:	01/01/1970
Tank Closure Date:	Not reported
Capacity Range:	Not reported
Tank Permit Expiration Date:	Not reported
Tank Upgrade Date:	Not reported
Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Steel
Tank Construction:	Single Wall Tank
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Not reported
Tank Manifold:	Not reported
Tank Release Detection:	Manual Inventory Control (daily)
Tank SFC Type:	Not reported
Pipe Material:	Steel
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Pipe Pumping System:	Pressurized System
Responsible Unit:	Northwest
Dispencer/Pump SFC Type:	Not reported

Name:	CONOCOPHILLIPS COMPANY 2611068
Address:	28718 MILITARY RD
City:	FEDERAL WAY
Zip:	98003

Tank Name:	4
Tag Number:	Not reported
Tank Status:	Removed
Tank Status Date:	08/06/1996
Tank Install Date:	01/01/1970
Tank Closure Date:	Not reported

CONOCOPHILLIPS COMPANY 2611068 (Continued) **U000801899**

Capacity Range:	111 TO 1,100 Gallons
Tank Permit Expiration Date:	Not reported
Tank Upgrade Date:	Not reported
Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Steel
Tank Construction:	Single Wall Tank
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Not reported
Tank Manifold:	Not reported
Tank Release Detection:	Manual Inventory Control (daily)
Tank SFC Type:	Not reported
Pipe Material:	Steel
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Pipe Pumping System:	Pressurized System
Responsible Unit:	Northwest
Dispencer/Pump SFC Type:	Not reported

Name:	CONOCOPHILLIPS COMPANY 2611068
Address:	28718 MILITARY RD
City:	FEDERAL WAY
Zip:	98003

Tank Name:	REGULAR
Tag Number:	Not reported
Tank Status:	Removed
Tank Status Date:	07/29/2003
Tank Install Date:	08/01/1990
Tank Closure Date:	04/13/2005
Capacity Range:	10,000 to 19,999 Gallons
Tank Permit Expiration Date:	Not reported
Tank Upgrade Date:	01/15/1998
Tank Spill Prevention:	Spill Bucket/Spill Box
Tank Overfill Prevention:	Ball Float Valve (vent line)
Tank Material:	Fiberglass Reinforced Plastic
Tank Construction:	Single Wall Tank
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Corrosion Resistant
Tank Manifold:	Not reported
Tank Release Detection:	Manual Inventory Control (daily)
Tank SFC Type:	Not reported
Pipe Material:	Fiberglass
Pipe Construction:	Single Wall Pipe
Pipe Primary Release Detection:	Automatic Line Leak Detector (ALLD)
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Corrosion Resistant
Pipe Pumping System:	Pressurized System
Responsible Unit:	Northwest
Dispencer/Pump SFC Type:	Not reported

Name:	CONOCOPHILLIPS COMPANY 2611068
Address:	28718 MILITARY RD
City:	FEDERAL WAY
Zip:	98003

CONOCOPHILLIPS COMPANY 2611068 (Continued) **U000801899**

Tank Name:	SUPER
Tag Number:	Not reported
Tank Status:	Removed
Tank Status Date:	07/29/2003
Tank Install Date:	08/01/1990
Tank Closure Date:	04/13/2005
Capacity Range:	10,000 to 19,999 Gallons
Tank Permit Expiration Date:	Not reported
Tank Upgrade Date:	01/15/1998
Tank Spill Prevention:	Spill Bucket/Spill Box
Tank Overfill Prevention:	Ball Float Valve (vent line)
Tank Material:	Fiberglass Reinforced Plastic
Tank Construction:	Single Wall Tank
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Corrosion Resistant
Tank Manifold:	Not reported
Tank Release Detection:	Manual Inventory Control (daily)
Tank SFC Type:	Not reported
Pipe Material:	Fiberglass
Pipe Construction:	Single Wall Pipe
Pipe Primary Release Detection:	Automatic Line Leak Detector (ALLD)
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Corrosion Resistant
Pipe Pumping System:	Pressurized System
Responsible Unit:	Northwest
Dispencer/Pump SFC Type:	Not reported

Name:	CONOCOPHILLIPS COMPANY 2611068
Address:	28718 MILITARY RD
City:	FEDERAL WAY
Zip:	98003

Tank Name:	UNLEADED
Tag Number:	Not reported
Tank Status:	Removed
Tank Status Date:	07/29/2003
Tank Install Date:	08/01/1990
Tank Closure Date:	04/13/2005
Capacity Range:	10,000 to 19,999 Gallons
Tank Permit Expiration Date:	Not reported
Tank Upgrade Date:	01/15/1998
Tank Spill Prevention:	Spill Bucket/Spill Box
Tank Overfill Prevention:	Ball Float Valve (vent line)
Tank Material:	Fiberglass Reinforced Plastic
Tank Construction:	Single Wall Tank
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Corrosion Resistant
Tank Manifold:	Not reported
Tank Release Detection:	Manual Inventory Control (daily)
Tank SFC Type:	Not reported
Pipe Material:	Fiberglass
Pipe Construction:	Single Wall Pipe
Pipe Primary Release Detection:	Automatic Line Leak Detector (ALLD)
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Corrosion Resistant
Pipe Pumping System:	Pressurized System
Responsible Unit:	Northwest

CONOCOPHILLIPS COMPANY 2611068 (Continued) **U000801899**

Dispencer/Pump SFC Type: Not reported

Name: CONOCOPHILLIPS COMPANY 2611068
Address: 28718 MILITARY RD
City: FEDERAL WAY
Zip: 98003

Tank Name: WASTE OIL
Tag Number: Not reported
Tank Status: Removed
Tank Status Date: 08/06/1996
Tank Install Date: 08/01/1990
Tank Closure Date: 04/13/2005
Capacity Range: 111 TO 1,100 Gallons
Tank Permit Expiration Date: Not reported
Tank Upgrade Date: 01/15/1998
Tank Spill Prevention: Spill Bucket/Spill Box
Tank Overfill Prevention: None
Tank Material: Fiberglass Reinforced Plastic
Tank Construction: Double Wall Tank
Tank Tightness Test: Not reported
Tank Corrosion Protection: Corrosion Resistant
Tank Manifold: Not reported
Tank Release Detection: Not reported
Tank SFC Type: Not reported
Pipe Material: Fiberglass
Pipe Construction: Single Wall Pipe
Pipe Primary Release Detection: Not reported
Pipe Second Release Detection: Not reported
Pipe Corrosion Protection: Corrosion Resistant
Pipe Pumping System: Product Removed by Reclaimer
Responsible Unit: Northwest
Dispencer/Pump SFC Type: Not reported

ALLSITES:
Name: BP SERVICE STATION 11068
Facility Id: 64882187

Interaction: 56860
Interaction 1: I
Interaction 2: UST
Ecology Program: TOXICS
Program Data: UST
Facility Alt.: Not reported
Program ID: 10173
Date Interaction: 1970-01-01 00:00:00
Date Interaction 3: Underground Storage Tank
Latitude: 47.343724392600002
Longitude: -122.300735174

Interaction: 56861
Interaction 1: I
Interaction 2: TIER2
Ecology Program: HAZWASTE
Program Data: EPCRA
Facility Alt.: Not reported

CONOCOPHILLIPS COMPANY 2611068 (Continued) **U000801899**

Program ID:	WAD988487260
Date Interaction:	1989-01-01 00:00:00
Date Interaction 3:	Emergency/Haz Chem Rpt TI
Latitude:	47.343724392600002
Longitude:	-122.300735174

Interaction:	56862
Interaction 1:	A
Interaction 2:	LUST
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	Not reported
Program ID:	10173
Date Interaction:	1991-05-09 00:00:00
Date Interaction 3:	LUST Facility
Latitude:	47.343724392600002
Longitude:	-122.300735174

Interaction:	56864
Interaction 1:	I
Interaction 2:	HWOTHER
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD988487260
Date Interaction:	2004-12-31 00:00:00
Date Interaction 3:	Haz Waste Management Acti
Latitude:	47.343724392600002
Longitude:	-122.300735174

Interaction:	97284
Interaction 1:	A
Interaction 2:	VOLCLNST
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	ARCO 11068
Program ID:	NW2465
Date Interaction:	2011-07-14 00:00:00
Date Interaction 3:	Voluntary Cleanup Sites
Latitude:	47.343724392600002
Longitude:	-122.300735174

Interaction:	56863
Interaction 1:	I
Interaction 2:	HWG
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD988487260
Date Interaction:	1991-05-22 00:00:00
Date Interaction 3:	Hazardous Waste Generator
Latitude:	47.343724392600002
Longitude:	-122.300735174

35
South
1/2-1
0.845 mi.
4462 ft.

COOK INVESTMENT BLDG
1400 S 312TH ST
FEDERAL WAY, WA 98003

CSCSL
ALLSITES
DRYCLEANERS

S107747472
N/A

Relative:
Higher

Actual:
451 ft.

CSCSL:

Name:	COOK INVESTMENT BLDG
Address:	1400 S 312TH ST
City,State,Zip:	FEDERAL WAY, WA 98003
Facility ID:	2178787
Region:	Northwest
Lat/Long:	47.3227 / -122.31535
Clean Up Siteid:	4491
Site Status:	Awaiting Cleanup
Contaminant Name:	Halogenated Organics
Alternate Site Names:	SUN DRY CLEANING
Site Rank:	Not reported
Has Institutional Control:	Not reported
Past VCP:	Not reported
Current VCP:	Not reported
Ground Water:	Not reported
Surface Water:	Not reported
Soil:	Confirmed Above Cleanup Levels
Sediment:	Not reported
Air:	Not reported
Bedrock:	Not reported
Responsible Unit:	Northwest

Name:	COOK INVESTMENT BLDG
Address:	1400 S 312TH ST
City,State,Zip:	FEDERAL WAY, WA 98003
Facility ID:	2178787
Region:	Northwest
Lat/Long:	47.3227 / -122.31535
Clean Up Siteid:	4491
Site Status:	Awaiting Cleanup
Contaminant Name:	Non-Halogenated Solvents
Alternate Site Names:	SUN DRY CLEANING
Site Rank:	Not reported
Has Institutional Control:	Not reported
Past VCP:	Not reported
Current VCP:	Not reported
Ground Water:	Not reported
Surface Water:	Not reported
Soil:	Confirmed Above Cleanup Levels
Sediment:	Not reported
Air:	Not reported
Bedrock:	Not reported
Responsible Unit:	Northwest

Name:	COOK INVESTMENT BLDG
Address:	1400 S 312TH ST
City,State,Zip:	FEDERAL WAY, WA 98003
Facility ID:	2178787
Region:	Northwest
Lat/Long:	47.3227 / -122.31535
Clean Up Siteid:	4491
Site Status:	Awaiting Cleanup

COOK INVESTMENT BLDG (Continued) **S107747472**

Contaminant Name:	Petroleum Products-Unspecified
Alternate Site Names:	SUN DRY CLEANING
Site Rank:	Not reported
Has Institutional Control:	Not reported
Past VCP:	Not reported
Current VCP:	Not reported
Ground Water:	Not reported
Surface Water:	Not reported
Soil:	Confirmed Above Cleanup Levels
Sediment:	Not reported
Air:	Not reported
Bedrock:	Not reported
Responsible Unit:	Northwest

ALLSITES:

Name:	COOK INVESTMENT BLDG
Facility Id:	2178787

Interaction:	9992
Interaction 1:	A
Interaction 2:	SCS
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	Cook Investment Bldg
Program ID:	Not reported
Date Interaction:	2006-04-25 00:00:00
Date Interaction 3:	State Cleanup Site
Latitude:	47.322694395699997
Longitude:	-122.31533517699999

DRYCLEANERS:

Name:	COOK INVESTMENT BLDG
Address:	1400 S 312TH ST
City,State,Zip:	FEDERAL WAY, WA 98003
EPA Id:	Not reported
FS Id:	2178787
Tax Reg Nbr:	Not reported
Business Type:	Not reported
Fed Waste Code Desc:	Not reported
State Waste Code Desc:	Not reported
Mail Name:	Not reported
Mail Line1:	Not reported
Mail Line2:	Not reported
Mail City,St,Zip:	Not reported
Mail Country:	Not reported
Legal Org Name:	Not reported
Legal Person First Name:	Not reported
Legal Person Middle Init:	Not reported
Legal Person Last Name:	Not reported
Legal Line1:	Not reported
Legal Line2:	Not reported
Legal City,St,Zip:	Not reported
Legal Country:	Not reported
Legal Phone Nbr:	Not reported
Legal Effective Date:	Not reported

COOK INVESTMENT BLDG (Continued) **S107747472**

Legal Organization Type:	Not reported
Land Org Name:	Not reported
Land Person First Name:	Not reported
Land Person Middle Init:	Not reported
Land Person Last Name:	Not reported
Land Line1:	Not reported
Land Line2:	Not reported
Land City,St,Zip:	Not reported
Land Country:	Not reported
Land Phone Nbr:	Not reported
Land Organization Type:	Not reported
Operator Org Name:	Not reported
Operator Person First Name:	Not reported
Operator Person Middle Init:	Not reported
Operator Person Last Name:	Not reported
Operator Line1:	Not reported
Operator Line2:	Not reported
Operator City,St,Zip:	Not reported
Operator Country:	Not reported
Operator Phone Nbr:	Not reported
Operator Effective Date:	Not reported
Operator Organization Type:	Not reported
Site Contact First Name:	Not reported
Site Contact Middle Init:	Not reported
Site Contact Last Name:	Not reported
Site Contact Line1:	Not reported
Site Contact Line2:	Not reported
Site Contact City,St,Zip:	Not reported
Site Contact Country:	Not reported
Site Contact Phone Nbr:	Not reported
Site Contact Email:	Not reported
Form Contact First Name:	Not reported
Form Contact Middle Init:	Not reported
Form Contact Last Name:	Not reported
Form Contact Line1:	Not reported
Form Contact Line2:	Not reported
Form Contact City,St,Zip:	Not reported
Form Contact Country:	Not reported
Form Contact Phone Nbr:	Not reported
Form Contact Email:	Not reported
Gen Status Cd:	Not reported
Monthly Generation:	Not reported
Batch Generation:	Not reported
One Time Generation:	Not reported
Transports Own Waste:	Not reported
Transports Others Waste:	Not reported
Recycler Onsite:	Not reported
Transfer Facility:	Not reported
Pbr:	Not reported
Tbg:	Not reported
Mixed Radioactive:	Not reported
Importer:	Not reported
Tsdr Facility:	Not reported
Immediate Recycler:	Not reported
Gen Dang Fuel:	Not reported
Gen Market To Burner:	Not reported
Gen Other Marketers:	Not reported

COOK INVESTMENT BLDG (Continued) **S107747472**

Utility Boiler Burner:	Not reported
Industry Boiler Burner:	Not reported
Furnace Burner:	Not reported
Smelter Deferral:	Not reported
Small Qty Exemption:	Not reported
Other Exemption:	Not reported
UW Battery Gen:	Not reported
UW Thermostats Gen:	Not reported
UW Mercury Gen:	Not reported
UW Lamps Gen:	Not reported
UW Battery Accum:	Not reported
UW Thermostats Accum:	Not reported
UW Mercury Accum:	Not reported
UW Lamps Accum:	Not reported
UW Destination Facility:	Not reported
Off Spec Utility Boiler:	Not reported
Off Spec Industry Boiler:	Not reported
Off Spec Furnace:	Not reported
Used Oil Transporter:	Not reported
Used Oil Transfer Facility:	Not reported
Used Oil Processor:	Not reported
Used Oil Rerefiner:	Not reported
Used Oil Fuel Marketer Directs Shipments:	Not reported
Used Oil Fuel Marketer Meets Specs:	Not reported
ECO Int Type Code:	SCS
Status Code:	A
Start Date:	04/25/2006
End Date:	Not reported
NAICS DS:	Drycleaning and Laundry Services (except coin-operated)
Program Name:	Not reported
FS SIC Code:	Not reported
SIC DS:	TOXICS
Latitude:	47.322699999999998
Longitude:	-122.31535
Comments:	Not reported

36
South
1/2-1
0.859 mi.
4533 ft.

Relative:
Higher

Actual:
461 ft.

CHEVRON USA INC SS 98538
31204 PACIFIC HWY S
FEDERAL WAY, WA 98003

CSCSL **1000658943**
LUST **WAD988486049**
UST
ALLSITES
RCRA NonGen / NLR
FINDS
ECHO
Financial Assurance
MANIFEST

CSCSL:

Name:	CHEVRON 98538
Address:	31204 PACIFIC HWY S
City,State,Zip:	FEDERAL WAY, WA 98003
Facility ID:	75488972
Region:	Northwest
Lat/Long:	47.32192 / -122.31311
Clean Up Siteid:	6626
Site Status:	Cleanup Started
Contaminant Name:	Benzene
Alternate Site Names:	312 FEDERAL WAY CHEVRON,Chevron USA Inc SS 98538,FEDERAL WAY CHEVRON 98538,SAJAM FEDERAL WAY 2 INC

CHEVRON USA INC SS 98538 (Continued) **1000658943**

Site Rank: Not reported
Has Institutional Control: Not reported
Past VCP: True
Current VCP: Not reported
Ground Water: Confirmed Above Cleanup Levels
Surface Water: Not reported
Soil: Confirmed Above Cleanup Levels
Sediment: Not reported
Air: Not reported
Bedrock: Not reported
Responsible Unit: Northwest

Name: CHEVRON 98538
Address: 31204 PACIFIC HWY S
City,State,Zip: FEDERAL WAY, WA 98003
Facility ID: 75488972
Region: Northwest
Lat/Long: 47.32192 / -122.31311
Clean Up Siteid: 6626
Site Status: Cleanup Started
Contaminant Name: Lead
Alternate Site Names: 312 FEDERAL WAY CHEVRON,Chevron USA Inc SS 98538,FEDERAL WAY CHEVRON 98538,SAJAM FEDERAL WAY 2 INC
Site Rank: Not reported
Has Institutional Control: Not reported
Past VCP: True
Current VCP: Not reported
Ground Water: Confirmed Above Cleanup Levels
Surface Water: Not reported
Soil: Not reported
Sediment: Not reported
Air: Not reported
Bedrock: Not reported
Responsible Unit: Northwest

Name: CHEVRON 98538
Address: 31204 PACIFIC HWY S
City,State,Zip: FEDERAL WAY, WA 98003
Facility ID: 75488972
Region: Northwest
Lat/Long: 47.32192 / -122.31311
Clean Up Siteid: 6626
Site Status: Cleanup Started
Contaminant Name: Non-Halogenated Solvents
Alternate Site Names: 312 FEDERAL WAY CHEVRON,Chevron USA Inc SS 98538,FEDERAL WAY CHEVRON 98538,SAJAM FEDERAL WAY 2 INC
Site Rank: Not reported
Has Institutional Control: Not reported
Past VCP: True
Current VCP: Not reported
Ground Water: Confirmed Above Cleanup Levels
Surface Water: Not reported
Soil: Confirmed Above Cleanup Levels
Sediment: Not reported
Air: Not reported
Bedrock: Not reported
Responsible Unit: Northwest

CHEVRON USA INC SS 98538 (Continued) **1000658943**

Name: CHEVRON 98538
Address: 31204 PACIFIC HWY S
City,State,Zip: FEDERAL WAY, WA 98003
Facility ID: 75488972
Region: Northwest
Lat/Long: 47.32192 / -122.31311
Clean Up Siteid: 6626
Site Status: Cleanup Started
Contaminant Name: Petroleum-Diesel
Alternate Site Names: 312 FEDERAL WAY CHEVRON,Chevron USA Inc SS 98538,FEDERAL WAY CHEVRON 98538,SAJAM FEDERAL WAY 2 INC
Site Rank: Not reported
Has Institutional Control: Not reported
Past VCP: True
Current VCP: Not reported
Ground Water: Confirmed Above Cleanup Levels
Surface Water: Not reported
Soil: Confirmed Above Cleanup Levels
Sediment: Not reported
Air: Not reported
Bedrock: Not reported
Responsible Unit: Northwest

Name: CHEVRON 98538
Address: 31204 PACIFIC HWY S
City,State,Zip: FEDERAL WAY, WA 98003
Facility ID: 75488972
Region: Northwest
Lat/Long: 47.32192 / -122.31311
Clean Up Siteid: 6626
Site Status: Cleanup Started
Contaminant Name: Petroleum-Gasoline
Alternate Site Names: 312 FEDERAL WAY CHEVRON,Chevron USA Inc SS 98538,FEDERAL WAY CHEVRON 98538,SAJAM FEDERAL WAY 2 INC
Site Rank: Not reported
Has Institutional Control: Not reported
Past VCP: True
Current VCP: Not reported
Ground Water: Confirmed Above Cleanup Levels
Surface Water: Not reported
Soil: Confirmed Above Cleanup Levels
Sediment: Not reported
Air: Not reported
Bedrock: Not reported
Responsible Unit: Northwest

Name: CHEVRON 98538
Address: 31204 PACIFIC HWY S
City,State,Zip: FEDERAL WAY, WA 98003
Facility ID: 75488972
Region: Northwest
Lat/Long: 47.32192 / -122.31311
Clean Up Siteid: 6626
Site Status: Cleanup Started
Contaminant Name: Petroleum-Other
Alternate Site Names: 312 FEDERAL WAY CHEVRON,Chevron USA Inc SS 98538,FEDERAL WAY CHEVRON 98538,SAJAM FEDERAL WAY 2 INC

CHEVRON USA INC SS 98538 (Continued) **1000658943**

Site Rank: Not reported
Has Institutional Control: Not reported
Past VCP: True
Current VCP: Not reported
Ground Water: Confirmed Above Cleanup Levels
Surface Water: Not reported
Soil: Confirmed Above Cleanup Levels
Sediment: Not reported
Air: Not reported
Bedrock: Not reported
Responsible Unit: Northwest

LUST:
Name: CHEVRON 98538
Address: 31204 PACIFIC HWY S
City,State,Zip: FEDERAL WAY, WA 98003
Facility ID: 75488972
Lust Status Type: LUST - Cleanup Started
Cleanup Site ID: 6626
Cleanup Unit Type: Upland
Process Type: Voluntary Cleanup Program
Cleanup Unit Name: 312 FEDERAL WAY CHEVRON,Chevron USA Inc SS 98538,FEDERAL WAY CHEVRON 98538,SAJAM FEDERAL WAY 2 INC
Response Section: Northwest
Release Date: 08/11/1994
Lust Date: 06/01/1995
Region: Northwest
Lust ID: 3600
UST ID: 5250
Contaminant Name: Benzene
Ground Water: Confirmed Above Cleanup Levels
Surface Water: Not reported
Soil: Confirmed Above Cleanup Levels
Sediment: Not reported
Air: Not reported
Bedrock: Not reported
Lat/Long: 47.32192 / -122.31311

Name: CHEVRON 98538
Address: 31204 PACIFIC HWY S
City,State,Zip: FEDERAL WAY, WA 98003
Facility ID: 75488972
Lust Status Type: LUST - Cleanup Started
Cleanup Site ID: 6626
Cleanup Unit Type: Upland
Process Type: Voluntary Cleanup Program
Cleanup Unit Name: 312 FEDERAL WAY CHEVRON,Chevron USA Inc SS 98538,FEDERAL WAY CHEVRON 98538,SAJAM FEDERAL WAY 2 INC
Response Section: Northwest
Release Date: 08/11/1994
Lust Date: 06/01/1995
Region: Northwest
Lust ID: 3600
UST ID: 5250
Contaminant Name: Lead
Ground Water: Confirmed Above Cleanup Levels
Surface Water: Not reported

CHEVRON USA INC SS 98538 (Continued) **1000658943**

Soil:	Not reported
Sediment:	Not reported
Air:	Not reported
Bedrock:	Not reported
Lat/Long:	47.32192 / -122.31311
Name:	CHEVRON 98538
Address:	31204 PACIFIC HWY S
City,State,Zip:	FEDERAL WAY, WA 98003
Facility ID:	75488972
Lust Status Type:	LUST - Cleanup Started
Cleanup Site ID:	6626
Cleanup Unit Type:	Upland
Process Type:	Voluntary Cleanup Program
Cleanup Unit Name:	312 FEDERAL WAY CHEVRON,Chevron USA Inc SS 98538,FEDERAL WAY CHEVRON 98538,SAJAM FEDERAL WAY 2 INC
Response Section:	Northwest
Release Date:	08/11/1994
Lust Date:	06/01/1995
Region:	Northwest
Lust ID:	3600
UST ID:	5250
Contaminant Name:	Petroleum-Gasoline
Ground Water:	Confirmed Above Cleanup Levels
Surface Water:	Not reported
Soil:	Confirmed Above Cleanup Levels
Sediment:	Not reported
Air:	Not reported
Bedrock:	Not reported
Lat/Long:	47.32192 / -122.31311
Name:	CHEVRON 98538
Address:	31204 PACIFIC HWY S
City,State,Zip:	FEDERAL WAY, WA 98003
Facility ID:	75488972
Lust Status Type:	LUST - Cleanup Started
Cleanup Site ID:	6626
Cleanup Unit Type:	Upland
Process Type:	Voluntary Cleanup Program
Cleanup Unit Name:	312 FEDERAL WAY CHEVRON,Chevron USA Inc SS 98538,FEDERAL WAY CHEVRON 98538,SAJAM FEDERAL WAY 2 INC
Response Section:	Northwest
Release Date:	08/11/1994
Lust Date:	06/01/1995
Region:	Northwest
Lust ID:	3600
UST ID:	5250
Contaminant Name:	Non-Halogenated Solvents
Ground Water:	Confirmed Above Cleanup Levels
Surface Water:	Not reported
Soil:	Confirmed Above Cleanup Levels
Sediment:	Not reported
Air:	Not reported
Bedrock:	Not reported
Lat/Long:	47.32192 / -122.31311
Name:	CHEVRON 98538

CHEVRON USA INC SS 98538 (Continued) **1000658943**

Address: 31204 PACIFIC HWY S
City,State,Zip: FEDERAL WAY, WA 98003
Facility ID: 75488972
Lust Status Type: LUST - Cleanup Started
Cleanup Site ID: 6626
Cleanup Unit Type: Upland
Process Type: Voluntary Cleanup Program
Cleanup Unit Name: 312 FEDERAL WAY CHEVRON,Chevron USA Inc SS 98538,FEDERAL WAY CHEVRON 98538,SAJAM FEDERAL WAY 2 INC
Response Section: Northwest
Release Date: 08/11/1994
Lust Date: 06/01/1995
Region: Northwest
Lust ID: 3600
UST ID: 5250
Contaminant Name: Petroleum-Diesel
Ground Water: Confirmed Above Cleanup Levels
Surface Water: Not reported
Soil: Confirmed Above Cleanup Levels
Sediment: Not reported
Air: Not reported
Bedrock: Not reported
Lat/Long: 47.32192 / -122.31311

Name: CHEVRON 98538
Address: 31204 PACIFIC HWY S
City,State,Zip: FEDERAL WAY, WA 98003
Facility ID: 75488972
Lust Status Type: LUST - Cleanup Started
Cleanup Site ID: 6626
Cleanup Unit Type: Upland
Process Type: Voluntary Cleanup Program
Cleanup Unit Name: 312 FEDERAL WAY CHEVRON,Chevron USA Inc SS 98538,FEDERAL WAY CHEVRON 98538,SAJAM FEDERAL WAY 2 INC
Response Section: Northwest
Release Date: 08/11/1994
Lust Date: 06/01/1995
Region: Northwest
Lust ID: 3600
UST ID: 5250
Contaminant Name: Petroleum-Other
Ground Water: Confirmed Above Cleanup Levels
Surface Water: Not reported
Soil: Confirmed Above Cleanup Levels
Sediment: Not reported
Air: Not reported
Bedrock: Not reported
Lat/Long: 47.32192 / -122.31311

UST:
Name: 312 FEDERAL WAY CHEVRON
Address: 31204 PACIFIC HWY S
City: FEDERAL WAY
Zip: 98003
Facility ID: 75488972
Site Id: 5250
UBI: Not reported

CHEVRON USA INC SS 98538 (Continued) **1000658943**

Phone Number:	Not reported
Decimal Latitude:	47.32192
Decimal Longitude:	-122.31311
Tank Name:	1
Tag Number:	A0748
Tank Status:	Removed
Tank Status Date:	08/06/1996
Tank Install Date:	01/01/1984
Tank Closure Date:	Not reported
Capacity Range:	10,000 to 19,999 Gallons
Tank Permit Expiration Date:	Not reported
Tank Upgrade Date:	Not reported
Tank Spill Prevention:	Spill Bucket/Spill Box
Tank Overfill Prevention:	Ball Float Valve (vent line)
Tank Material:	Fiberglass Reinforced Plastic
Tank Construction:	Single Wall Tank
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Corrosion Resistant
Tank Manifold:	Not reported
Tank Release Detection:	Not reported
Tank SFC Type:	Not reported
Pipe Material:	Fiberglass
Pipe Construction:	Single Wall Pipe
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Corrosion Resistant
Pipe Pumping System:	Pressurized System
Responsible Unit:	Northwest
Dispencer/Pump SFC Type:	Not reported
Name:	312 FEDERAL WAY CHEVRON
Address:	31204 PACIFIC HWY S
City:	FEDERAL WAY
Zip:	98003
Tank Name:	2
Tag Number:	A0748
Tank Status:	Removed
Tank Status Date:	08/06/1996
Tank Install Date:	01/10/1984
Tank Closure Date:	Not reported
Capacity Range:	10,000 to 19,999 Gallons
Tank Permit Expiration Date:	Not reported
Tank Upgrade Date:	Not reported
Tank Spill Prevention:	Spill Bucket/Spill Box
Tank Overfill Prevention:	Ball Float Valve (vent line)
Tank Material:	Fiberglass Reinforced Plastic
Tank Construction:	Single Wall Tank
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Corrosion Resistant
Tank Manifold:	Not reported
Tank Release Detection:	Not reported
Tank SFC Type:	Not reported
Pipe Material:	Fiberglass
Pipe Construction:	Single Wall Pipe
Pipe Primary Release Detection:	Not reported

CHEVRON USA INC SS 98538 (Continued) **1000658943**

Pipe Second Release Detection: Not reported
Pipe Corrosion Protection: Corrosion Resistant
Pipe Pumping System: Pressurized System
Responsible Unit: Northwest
Dispencer/Pump SFC Type: Not reported

Name: 312 FEDERAL WAY CHEVRON
Address: 31204 PACIFIC HWY S
City: FEDERAL WAY
Zip: 98003

Tank Name: 3
Tag Number: A0748
Tank Status: Removed
Tank Status Date: 08/06/1996
Tank Install Date: 01/01/1984
Tank Closure Date: Not reported
Capacity Range: 10,000 to 19,999 Gallons
Tank Permit Expiration Date: Not reported
Tank Upgrade Date: Not reported
Tank Spill Prevention: Spill Bucket/Spill Box
Tank Overfill Prevention: Ball Float Valve (vent line)
Tank Material: Fiberglass Reinforced Plastic
Tank Construction: Single Wall Tank
Tank Tightness Test: Not reported
Tank Corrosion Protection: Corrosion Resistant
Tank Manifold: Not reported
Tank Release Detection: Not reported
Tank SFC Type: Not reported
Pipe Material: Fiberglass
Pipe Construction: Single Wall Pipe
Pipe Primary Release Detection: Not reported
Pipe Second Release Detection: Not reported
Pipe Corrosion Protection: Corrosion Resistant
Pipe Pumping System: Pressurized System
Responsible Unit: Northwest
Dispencer/Pump SFC Type: Not reported

Name: 312 FEDERAL WAY CHEVRON
Address: 31204 PACIFIC HWY S
City: FEDERAL WAY
Zip: 98003

Tank Name: 4
Tag Number: A0748
Tank Status: Removed
Tank Status Date: 08/06/1996
Tank Install Date: 12/31/1964
Tank Closure Date: Not reported
Capacity Range: 111 TO 1,100 Gallons
Tank Permit Expiration Date: Not reported
Tank Upgrade Date: Not reported
Tank Spill Prevention: Not reported
Tank Overfill Prevention: Not reported
Tank Material: Fiberglass Reinforced Plastic
Tank Construction: Single Wall Tank
Tank Tightness Test: Not reported

CHEVRON USA INC SS 98538 (Continued) **1000658943**

Tank Corrosion Protection:	Not reported
Tank Manifold:	Not reported
Tank Release Detection:	Not reported
Tank SFC Type:	Not reported
Pipe Material:	Fiberglass
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Pipe Pumping System:	Not reported
Responsible Unit:	Northwest
Dispencer/Pump SFC Type:	Not reported

Name:	312 FEDERAL WAY CHEVRON
Address:	31204 PACIFIC HWY S
City:	FEDERAL WAY
Zip:	98003

Tank Name:	5
Tag Number:	A0748
Tank Status:	Removed
Tank Status Date:	08/06/1996
Tank Install Date:	01/01/1984
Tank Closure Date:	Not reported
Capacity Range:	111 TO 1,100 Gallons
Tank Permit Expiration Date:	Not reported
Tank Upgrade Date:	Not reported
Tank Spill Prevention:	25 Gallons or less
Tank Overfill Prevention:	25 Gallons or less
Tank Material:	Fiberglass Reinforced Plastic
Tank Construction:	Single Wall Tank
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Corrosion Resistant
Tank Manifold:	Not reported
Tank Release Detection:	Not reported
Tank SFC Type:	Not reported
Pipe Material:	Fiberglass
Pipe Construction:	Single Wall Pipe
Pipe Primary Release Detection:	Automatic Line Leak Detector (ALLD)
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Pipe Pumping System:	Product Removed by Reclaimer
Responsible Unit:	Northwest
Dispencer/Pump SFC Type:	Not reported

Name:	312 FEDERAL WAY CHEVRON
Address:	31204 PACIFIC HWY S
City:	FEDERAL WAY
Zip:	98003

Tank Name:	6
Tag Number:	A0748
Tank Status:	Operational
Tank Status Date:	08/06/1996
Tank Install Date:	07/01/1994
Tank Closure Date:	Not reported
Capacity Range:	10,000 to 19,999 Gallons

CHEVRON USA INC SS 98538 (Continued) **1000658943**

Tank Permit Expiration Date:	02/28/2021
Tank Upgrade Date:	02/06/1998
Tank Spill Prevention:	Spill Bucket/Spill Box
Tank Overfill Prevention:	Automatic Shutoff (fill pipe)
Tank Material:	Fiberglass Reinforced Plastic
Tank Construction:	Double Wall Tank
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Corrosion Resistant
Tank Manifold:	Not reported
Tank Release Detection:	Interstitial Monitoring
Tank SFC Type:	Sump
Pipe Material:	Fiberglass
Pipe Construction:	Double Wall Pipe
Pipe Primary Release Detection:	Automatic Line Leak Detector (ALLD)
Pipe Second Release Detection:	Interstitial Monitoring (or Sump Sensor)
Pipe Corrosion Protection:	Corrosion Resistant
Pipe Pumping System:	Pressurized System
Responsible Unit:	Northwest
Dispencer/Pump SFC Type:	Sump

Name:	312 FEDERAL WAY CHEVRON
Address:	31204 PACIFIC HWY S
City:	FEDERAL WAY
Zip:	98003

Tank Name:	7
Tag Number:	A0748
Tank Status:	Operational
Tank Status Date:	08/06/1996
Tank Install Date:	07/01/1994
Tank Closure Date:	Not reported
Capacity Range:	10,000 to 19,999 Gallons
Tank Permit Expiration Date:	02/28/2021
Tank Upgrade Date:	02/06/1998
Tank Spill Prevention:	Spill Bucket/Spill Box
Tank Overfill Prevention:	Automatic Shutoff (fill pipe)
Tank Material:	Fiberglass Reinforced Plastic
Tank Construction:	Double Wall Tank
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Corrosion Resistant
Tank Manifold:	Not reported
Tank Release Detection:	Interstitial Monitoring
Tank SFC Type:	Sump
Pipe Material:	Fiberglass
Pipe Construction:	Double Wall Pipe
Pipe Primary Release Detection:	Automatic Line Leak Detector (ALLD)
Pipe Second Release Detection:	Interstitial Monitoring (or Sump Sensor)
Pipe Corrosion Protection:	Corrosion Resistant
Pipe Pumping System:	Pressurized System
Responsible Unit:	Northwest
Dispencer/Pump SFC Type:	Sump

Name:	312 FEDERAL WAY CHEVRON
Address:	31204 PACIFIC HWY S
City:	FEDERAL WAY
Zip:	98003

CHEVRON USA INC SS 98538 (Continued) **1000658943**

Tank Name:	8
Tag Number:	A0748
Tank Status:	Operational
Tank Status Date:	08/06/1996
Tank Install Date:	07/01/1994
Tank Closure Date:	Not reported
Capacity Range:	10,000 to 19,999 Gallons
Tank Permit Expiration Date:	02/28/2021
Tank Upgrade Date:	02/06/1998
Tank Spill Prevention:	Spill Bucket/Spill Box
Tank Overfill Prevention:	Automatic Shutoff (fill pipe)
Tank Material:	Fiberglass Reinforced Plastic
Tank Construction:	Double Wall Tank
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Corrosion Resistant
Tank Manifold:	Not reported
Tank Release Detection:	Interstitial Monitoring
Tank SFC Type:	Sump
Pipe Material:	Fiberglass
Pipe Construction:	Double Wall Pipe
Pipe Primary Release Detection:	Automatic Line Leak Detector (ALLD)
Pipe Second Release Detection:	Interstitial Monitoring (or Sump Sensor)
Pipe Corrosion Protection:	Corrosion Resistant
Pipe Pumping System:	Pressurized System
Responsible Unit:	Northwest
Dispencer/Pump SFC Type:	Sump

ALLSITES:

Name:	CHEVRON USA INC SS 98538
Facility Id:	75488972

Interaction:	62849
Interaction 1:	I
Interaction 2:	HWOTHER
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD988486049
Date Interaction:	2003-12-31 00:00:00
Date Interaction 3:	Haz Waste Management Acti
Latitude:	47.321914395199997
Longitude:	-122.31309517699999

Interaction:	62847
Interaction 1:	A
Interaction 2:	LUST
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	Not reported
Program ID:	5250
Date Interaction:	1994-08-11 00:00:00
Date Interaction 3:	LUST Facility
Latitude:	47.321914395199997
Longitude:	-122.31309517699999

CHEVRON USA INC SS 98538 (Continued) **1000658943**

Interaction:	95667
Interaction 1:	I
Interaction 2:	HWOTHER
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Chevron USA Inc SS 98538
Program ID:	WAD988486049
Date Interaction:	2011-02-03 00:00:00
Date Interaction 3:	Haz Waste Management Acti
Latitude:	47.321914395199997
Longitude:	-122.31309517699999

Interaction:	62846
Interaction 1:	I
Interaction 2:	TIER2
Ecology Program:	HAZWASTE
Program Data:	EPCRA
Facility Alt.:	Not reported
Program ID:	WAD988486049
Date Interaction:	1992-01-01 00:00:00
Date Interaction 3:	Emergency/Haz Chem Rpt TI
Latitude:	47.321914395199997
Longitude:	-122.31309517699999

Interaction:	62848
Interaction 1:	A
Interaction 2:	UST
Ecology Program:	TOXICS
Program Data:	UST
Facility Alt.:	312 FEDERAL WAY CHEVRON
Program ID:	5250
Date Interaction:	2000-03-20 00:00:00
Date Interaction 3:	Underground Storage Tank
Latitude:	47.321914395199997
Longitude:	-122.31309517699999

Interaction:	62851
Interaction 1:	I
Interaction 2:	VOLCLNST
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	Chevron USA Inc SS 98538
Program ID:	NW1579
Date Interaction:	2006-02-07 00:00:00
Date Interaction 3:	Voluntary Cleanup Sites
Latitude:	47.321914395199997
Longitude:	-122.31309517699999

Interaction:	62850
Interaction 1:	I
Interaction 2:	HWG
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE

CHEVRON USA INC SS 98538 (Continued) **1000658943**

Facility Alt.:	Not reported
Program ID:	WAD988486049
Date Interaction:	2004-12-31 00:00:00
Date Interaction 3:	Hazardous Waste Generator
Latitude:	47.321914395199997
Longitude:	-122.31309517699999

Interaction:	62852
Interaction 1:	I
Interaction 2:	HWOTHER
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD988486049
Date Interaction:	2005-12-31 00:00:00
Date Interaction 3:	Haz Waste Management Acti
Latitude:	47.321914395199997
Longitude:	-122.31309517699999

Interaction:	88593
Interaction 1:	A
Interaction 2:	VOLCLNST
Ecology Program:	TOXICS
Program Data:	ISIS
Facility Alt.:	Chevron USA Inc SS 98538
Program ID:	nw2222
Date Interaction:	2009-11-20 00:00:00
Date Interaction 3:	Voluntary Cleanup Sites
Latitude:	47.321914395199997
Longitude:	-122.31309517699999

Interaction:	62845
Interaction 1:	I
Interaction 2:	HWG
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Not reported
Program ID:	WAD988486049
Date Interaction:	1991-05-08 00:00:00
Date Interaction 3:	Hazardous Waste Generator
Latitude:	47.321914395199997
Longitude:	-122.31309517699999

Interaction:	111429
Interaction 1:	A
Interaction 2:	HWOTHER
Ecology Program:	HAZWASTE
Program Data:	TURBOWASTE
Facility Alt.:	Chevron USA Inc SS 98538
Program ID:	WAD988486049
Date Interaction:	2014-12-31 00:00:00
Date Interaction 3:	Haz Waste Management Acti
Latitude:	47.321914395199997

CHEVRON USA INC SS 98538 (Continued) **1000658943**

Longitude: -122.31309517699999

Interaction: 62853
Interaction 1: I
Interaction 2: HWG
Ecology Program: HAZWASTE
Program Data: TURBOWASTE
Facility Alt.: Not reported
Program ID: WAD988486049
Date Interaction: 2008-12-31 00:00:00
Date Interaction 3: Hazardous Waste Generator
Latitude: 47.321914395199997
Longitude: -122.31309517699999

Interaction: 99917
Interaction 1: I
Interaction 2: HWG
Ecology Program: HAZWASTE
Program Data: TURBOWASTE
Facility Alt.: Chevron USA Inc SS 98538
Program ID: WAD988486049
Date Interaction: 2011-12-31 00:00:00
Date Interaction 3: Hazardous Waste Generator
Latitude: 47.321914395199997
Longitude: -122.31309517699999

Interaction: 101580
Interaction 1: I
Interaction 2: HWP
Ecology Program: HAZWASTE
Program Data: HWPPRT
Facility Alt.: Chevron USA Inc SS 98538
Program ID: WAD988486049
Date Interaction: 2012-05-07 00:00:00
Date Interaction 3: Hazardous Waste Planner
Latitude: 47.321914395199997
Longitude: -122.31309517699999

RCRA NonGen / NLR:
Date form received by agency: 2019-02-06 00:00:00.0
Facility name: CHEVRON USA INC SS 98538
Facility address: 31204 PACIFIC HWY S
FEDERAL WAY, WA 98003
EPA ID: WAD988486049
Mailing address: PO BOX 6004
SAN RAMON, CA 94583
Contact: WASTE DESK
Contact address: PO BOX 6004
SAN RAMON, CA 94583
Contact country: US
Contact telephone: 877-386-6044
Contact email: NAWTDESK@CHEVRON.COM
EPA Region: 10

CHEVRON USA INC SS 98538 (Continued) **1000658943**

Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: CHEVRON USA INC
Owner/operator address: PO BOX 6004
SAN RAMON, CA 94583
Owner/operator country: US
Owner/operator telephone: 877-386-6044
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 2017-12-31 00:00:00.
Owner/Op end date: Not reported

Owner/operator name: CHEVRON PRODUCTS CO
Owner/operator address: 31204 PACIFIC HWY S
FEDERAL WAY, WA 98003
Owner/operator country: US
Owner/operator telephone: 253-946-0683
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: CHEVRON USA INC SS 98538
Owner/operator address: PO BOX 6004
SAN RAMON, CA 94583
Owner/operator country: US
Owner/operator telephone: 877-386-6044
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 1996-05-02 00:00:00.
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No

CHEVRON USA INC SS 98538 (Continued) **1000658943**

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 2018-01-30 00:00:00.0
Site name: CHEVRON USA INC SS 98538
Classification: Not a generator, verified

Date form received by agency: 2017-02-06 00:00:00.0
Site name: CHEVRON USA INC SS 98538
Classification: Not a generator, verified

Date form received by agency: 2016-02-03 00:00:00.0
Site name: CHEVRON USA INC SS 98538
Classification: Not a generator, verified

Date form received by agency: 2015-01-28 00:00:00.0
Site name: CHEVRON USA INC SS 98538
Classification: Not a generator, verified

Date form received by agency: 2014-02-10 00:00:00.0
Site name: CHEVRON USA INC SS 98538
Classification: Small Quantity Generator

Date form received by agency: 2013-02-06 00:00:00.0
Site name: CHEVRON USA INC SS 98538
Classification: Small Quantity Generator

Date form received by agency: 2012-02-21 00:00:00.0
Site name: CHEVRON USA INC SS 98538
Classification: Small Quantity Generator

Date form received by agency: 2012-02-21 00:00:00.0
Site name: CHEVRON USA INC SS 98538
Classification: Small Quantity Generator

Date form received by agency: 2011-02-07 00:00:00.0
Site name: CHEVRON USA INC SS 98538
Classification: Small Quantity Generator

Date form received by agency: 2011-02-03 00:00:00.0
Site name: CHEVRON USA INC SS 98538
Classification: Not a generator, verified

Date form received by agency: 2011-02-03 00:00:00.0
Site name: CHEVRON USA INC SS 98538
Classification: Not a generator, verified

Date form received by agency: 2010-02-11 00:00:00.0
Site name: CHEVRON USA INC SS 98538
Classification: Small Quantity Generator

Date form received by agency: 2010-02-11 00:00:00.0
Site name: CHEVRON USA INC SS 98538
Classification: Small Quantity Generator

CHEVRON USA INC SS 98538 (Continued) **1000658943**

Date form received by agency: 2009-10-14 00:00:00.0
Site name: CHEVRON USA INC SS 98538
Classification: Not a generator, verified

Date form received by agency: 2009-10-14 00:00:00.0
Site name: CHEVRON USA INC SS 98538
Classification: Small Quantity Generator

Date form received by agency: 2009-02-16 00:00:00.0
Site name: CHEVRON USA INC SS 98538
Classification: Small Quantity Generator

Date form received by agency: 2008-02-11 00:00:00.0
Site name: CHEVRON USA INC SS 98538
Classification: Not a generator, verified

Date form received by agency: 2007-12-31 00:00:00.0
Site name: CHEVRON USA INC SS 98538
Classification: Not a generator, verified

Date form received by agency: 2007-02-16 00:00:00.0
Site name: CHEVRON USA INC SS 98538
Classification: Not a generator, verified

Date form received by agency: 2006-02-18 00:00:00.0
Site name: CHEVRON USA INC SS 98538
Classification: Not a generator, verified

Date form received by agency: 2005-12-31 00:00:00.0
Site name: CHEVRON USA INC SS 98538
Classification: Not a generator, verified

Date form received by agency: 2005-02-24 00:00:00.0
Site name: CHEVRON USA INC SS 98538
Classification: Small Quantity Generator

Date form received by agency: 2004-01-18 00:00:00.0
Site name: CHEVRON USA INC SS 98538
Classification: Not a generator, verified

Date form received by agency: 2003-12-31 00:00:00.0
Site name: CHEVRON USA INC SS 98538
Classification: Not a generator, verified

Date form received by agency: 2003-03-03 00:00:00.0
Site name: CHEVRON USA INC SS 98538
Classification: Not a generator, verified

Date form received by agency: 2002-02-28 00:00:00.0
Site name: CHEVRON USA INC SS 98538
Classification: Not a generator, verified

Date form received by agency: 2001-03-06 00:00:00.0
Site name: CHEVRON USA INC SS 98538
Classification: Not a generator, verified

Date form received by agency: 2000-02-22 00:00:00.0

CHEVRON USA INC SS 98538 (Continued) **1000658943**

Site name: CHEVRON USA INC SS 98538
Classification: Small Quantity Generator

Date form received by agency: 1999-02-26 00:00:00.0
Site name: CHEVRON USA INC SS 98538
Classification: Small Quantity Generator

Date form received by agency: 1998-02-27 00:00:00.0
Site name: CHEVRON USA INC SS 98538
Classification: Not a generator, verified

Date form received by agency: 1997-06-16 00:00:00.0
Site name: CHEVRON USA INC SS 98538
Classification: Not a generator, verified

Date form received by agency: 1997-03-20 00:00:00.0
Site name: CHEVRON USA INC SS 98538
Classification: Small Quantity Generator

Date form received by agency: 1993-12-31 00:00:00.0
Site name: CHEVRON USA INC SS 98538
Classification: Small Quantity Generator

Hazardous Waste Summary:

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

FINDS:
Registry ID: 110005360698
Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110005360698

Environmental Interest/Information System:
Washington Facility / Site Identification System (WA-FSIS) provides a means to query and display data maintained by the Washington Department of Ecology. This system contains key information for each facility/site that is currently, or has been, of interest to the Air

CHEVRON USA INC SS 98538 (Continued) **1000658943**

Quality, Dam Safety, Hazardous Waste, Toxics Cleanup, and Water Quality Programs.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
HAZARDOUS WASTE BIENNIAL REPORTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000658943
Registry ID:	110005360698
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110005360698
Name:	CHEVRON USA INC SS 98538
Address:	31204 PACIFIC HWY S
City,State,Zip:	FEDERAL WAY, WA 98003

WA Financial Assurance 1:

Name:	312 FEDERAL WAY CHEVRON
Address:	31204 PACIFIC HWY S
City,State,Zip:	FEDERAL WAY, WA 98003
DOE Site ID:	5250
Financial Resp Type:	COLONY INSURANCE COMPANY
Inception Date:	08/28/2018
Expiration Date:	09/09/2019
Address 2:	Not reported
Policy Number:	WA641997-5
Effective Date:	08/28/2018
Liability Limit Type:	Mktg, 1-100 tanks; 1m per occurence, 1m aggregate
Compliance Method:	Letter of self-insurance (financial report)
Proof of Responsibility Document Flag:	1
Retroactive Date:	09/11/2013
Latitude:	47.32192
Longitude:	-122.31311

Name:	312 FEDERAL WAY CHEVRON
Address:	31204 PACIFIC HWY S
City,State,Zip:	FEDERAL WAY, WA 98003
DOE Site ID:	5250
Financial Resp Type:	COLONY INSURANCE COMPANY
Inception Date:	06/19/2019
Expiration Date:	09/09/2020
Address 2:	Not reported
Policy Number:	WA641997-6
Effective Date:	06/19/2019
Liability Limit Type:	Mktg, 1-100 tanks; 1m per occurence, 1m aggregate
Compliance Method:	Letter of self-insurance (financial report)
Proof of Responsibility Document Flag:	1
Retroactive Date:	09/11/2013
Latitude:	47.32192
Longitude:	-122.31311

Name:	312 FEDERAL WAY CHEVRON

CHEVRON USA INC SS 98538 (Continued) **1000658943**

Address: 31204 PACIFIC HWY S
City,State,Zip: FEDERAL WAY, WA 98003
DOE Site ID: 5250
Financial Resp Type: COLONY INSURANCE COMPANY
Inception Date: 08/12/2015
Expiration Date: 09/09/2016
Address 2: Not reported
Policy Number: WA641997-2
Effective Date: 08/12/2015
Liability Limit Type: Mktg, 1-100 tanks; 1m per occurence, 1m aggregate
Compliance Method: Letter of self-insurance (financial report)
Proof of Responsibility Document Flag: 1
Retroactive Date: 09/11/2013
Latitude: 47.32192
Longitude: -122.31311

Name: 312 FEDERAL WAY CHEVRON
Address: 31204 PACIFIC HWY S
City,State,Zip: FEDERAL WAY, WA 98003
DOE Site ID: 5250
Financial Resp Type: COLONY INSURANCE COMPANY
Inception Date: 09/09/2016
Expiration Date: 09/09/2018
Address 2: Not reported
Policy Number: WA641997-4
Effective Date: 09/09/2016
Liability Limit Type: Mktg, 1-100 tanks; 1m per occurence, 1m aggregate
Compliance Method: Letter of self-insurance (financial report)
Proof of Responsibility Document Flag: 1
Retroactive Date: 09/11/2013
Latitude: 47.32192
Longitude: -122.31311

WA MANIFEST:
Name: CHEVRON USA INC SS 98538
Address: 31204 PACIFIC HWY S
City,State,Zip: FEDERAL WAY, WA 98003
Facility Address 2: Not reported
Facility ID: 75488972
EPA ID: WAD988486049
NAICS: 447110
State Waste Code Desc: Not reported
Federal Waste Code Desc: Not reported
Form Comm: Not reported
Data Year: 2017
Permit by Rule: False
Mailing Address 2: Not reported
Treatment by Generator: False
Mixed Radioactive Waste: False
Importer of Hazardous Waste: False
Immediate Recycler: False
Treatment/Storage/Disposal/Recycling Facility: False
Generator of Dangerous Fuel Waste: False
Generator Marketing to Burner: False
Other Marketers (i.e., blender, distributor, etc.): False
Utility Boiler Burner: False
Industry Boiler Burner: False

CHEVRON USA INC SS 98538 (Continued) **1000658943**

Industrial Furnace:	False
Smelter Defferal:	False
Universal Waste:	Not reported
Off-Specification:	Not reported
LN Address 2:	Not reported
Tax Reg #:	409018069
Business Type:	Not reported
Mail Name:	Chevron Products Co
Mailing Address:	PO Box 6004
Mailing City,State,Zip:	San Ramon, CA 94583-2324
Legal Organization Name:	Chevron USA Inc SS 98538
Legal Organization Type:	Private
Legal Contact:	Not reported
Legal Address:	PO Box 6004
Legal Address 2:	Not reported
Legal City,State,Zip:	San Ramon, CA 94583-2324
Legal Phone Number:	877-386-6044
Legal Effective Date:	05/02/1996
Land Organization Name:	Chevron USA Inc
Land Organization Type:	Private
Land Contact:	Not reported
Land Address:	PO Box 6004
Land City,State,Zip:	San Ramon, CA 94583-2324
Land Phone Number:	877-386-6044
Operator Organization Name:	Chevron Products Co
Operator Organization Type:	Private
Operator:	Not reported
Operator Address:	31204 Pacific Hwy S
Operator Address 2:	Not reported
Operator City,State,Zip:	Federal Way, WA 98003
Operator Phone Number:	253-946-0683
Operator Effective Date:	Not reported
Site Contact:	Station Manager
Site Contact Address:	31204 Pacific Hwy S
Contact City,State,Zip:	Federal Way, WA 98003
Site Contact Phone Number:	253-946-0683
Site Contact Email:	NAWTDesk@chevron.com
Gen Status Code:	XQG
Monthly Generation:	False
Batch Generation:	False
One Time Generation:	False
Transport Own Waste:	False
Tranports Other Waste:	False
Recycler Onsite:	False
Transfer Facility:	False
Other Exemption:	Not reported
UW Battery Gen:	False
Used Oil Transporter:	False
Used Oil Transfer Facility:	False
Used Oil Processor:	False
Used Oil Refiner:	False
Used Oil Fuel Marketer Directs Shipments:	False
Used Oil Fuel Marketer Meets Specs:	False
Site Contact Address 2:	Not reported

Name:	CHEVRON USA INC SS 98538
Address:	31204 PACIFIC HWY S

CHEVRON USA INC SS 98538 (Continued) **1000658943**

City,State,Zip:	FEDERAL WAY, WA 98003
Facility Address 2:	Not reported
Facility ID:	75488972
EPA ID:	WAD988486049
NAICS:	447110
State Waste Code Desc:	Not reported
Federal Waste Code Desc:	Not reported
Form Comm:	Not reported
Data Year:	2017
Permit by Rule:	False
Mailing Address 2:	Not reported
Treatment by Generator:	False
Mixed Radioactive Waste:	False
Importer of Hazardous Waste:	False
Immediate Recycler:	False
Treatment/Storage/Disposal/Recycling Facility:	False
Generator of Dangerous Fuel Waste:	False
Generator Marketing to Burner:	False
Other Marketers (i.e., blender, distributor, etc.):	False
Utility Boiler Burner:	False
Industry Boiler Burner:	False
Industrial Furnace:	False
Smelter Defferal:	False
Universal Waste:	Not reported
Off-Specification:	Not reported
LN Address 2:	Not reported
Tax Reg #:	409018069
Business Type:	Not reported
Mail Name:	Not reported
Mailing Address:	PO Box 6004
Mailing City,State,Zip:	San Ramon, CA 94583
Legal Organization Name:	Chevron USA Inc SS 98538
Legal Organization Type:	Private
Legal Contact:	Not reported
Legal Address:	PO Box 6004
Legal Address 2:	Not reported
Legal City,State,Zip:	San Ramon, CA 94583
Legal Phone Number:	(877)386-6044
Legal Effective Date:	05/02/1996
Land Organization Name:	Chevron USA Inc
Land Organization Type:	Private
Land Contact:	Not reported
Land Address:	PO Box 6004
Land City,State,Zip:	San Ramon, CA 94583
Land Phone Number:	(877)386-6044
Operator Organization Name:	Chevron Products Co
Operator Organization Type:	Private
Operator:	Not reported
Operator Address:	31204 Pacific Hwy S
Operator Address 2:	Not reported
Operator City,State,Zip:	Federal Way, WA 98003
Operator Phone Number:	(253)946-0683
Operator Effective Date:	Not reported
Site Contact:	Not reported
Site Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Site Contact Phone Number:	Not reported

CHEVRON USA INC SS 98538 (Continued) **1000658943**

Site Contact Email:	Not reported
Gen Status Code:	XQG
Monthly Generation:	False
Batch Generation:	False
One Time Generation:	False
Transport Own Waste:	False
Tranports Other Waste:	False
Recycler Onsite:	False
Transfer Facility:	False
Other Exemption:	Not reported
UW Battery Gen:	False
Used Oil Transporter:	False
Used Oil Transfer Facility:	False
Used Oil Processor:	False
Used Oil Refiner:	False
Used Oil Fuel Marketer Directs Shipments:	False
Used Oil Fuel Marketer Meets Specs:	False
Site Contact Address 2:	Not reported

Name:	CHEVRON USA INC SS 98538
Address:	31204 PACIFIC HWY S
City,State,Zip:	FEDERAL WAY, WA 98003
Facility Address 2:	Not reported
Facility ID:	75488972
EPA ID:	WAD988486049
NAICS:	447110
State Waste Code Desc:	Not reported
Federal Waste Code Desc:	Not reported
Form Comm:	Not reported
Data Year:	2016
Permit by Rule:	False
Mailing Address 2:	Not reported
Treatment by Generator:	False
Mixed Radioactive Waste:	False
Importer of Hazardous Waste:	False
Immediate Recycler:	False
Treatment/Storage/Disposal/Recycling Facility:	False
Generator of Dangerous Fuel Waste:	False
Generator Marketing to Burner:	False
Other Marketers (i.e., blender, distributor, etc.):	False
Utility Boiler Burner:	False
Industry Boiler Burner:	False
Industrial Furnace:	False
Smelter Defferal:	False
Universal Waste:	Not reported
Off-Specification:	Not reported
LN Address 2:	Not reported
Tax Reg #:	409018069
Business Type:	Not reported
Mail Name:	Chevron Products Co
Mailing Address:	PO Box 6004
Mailing City,State,Zip:	San Ramon, CA 94583-2324
Legal Organization Name:	Chevron USA Inc SS 98538
Legal Organization Type:	Private
Legal Contact:	Not reported
Legal Address:	PO Box 6004
Legal Address 2:	Not reported

CHEVRON USA INC SS 98538 (Continued) **1000658943**

Legal City,State,Zip:	San Ramon, CA 94583-2324
Legal Phone Number:	877-386-6044
Legal Effective Date:	05/02/1996
Land Organization Name:	Chevron USA Inc
Land Organization Type:	Private
Land Contact:	Not reported
Land Address:	PO Box 6004
Land City,State,Zip:	San Ramon, CA 94583-2324
Land Phone Number:	877-386-6044
Operator Organization Name:	Chevron Products Co
Operator Organization Type:	Private
Operator:	Not reported
Operator Address:	31204 Pacific Hwy S
Operator Address 2:	Not reported
Operator City,State,Zip:	Federal Way, WA 98003
Operator Phone Number:	253-946-0683
Operator Effective Date:	Not reported
Site Contact:	Station Manager
Site Contact Address:	31204 Pacific Hwy S
Contact City,State,Zip:	Federal Way, WA 98003
Site Contact Phone Number:	253-946-0683
Site Contact Email:	NAWTDesk@chevron.com
Gen Status Code:	XQG
Monthly Generation:	False
Batch Generation:	False
One Time Generation:	False
Transport Own Waste:	False
Tranports Other Waste:	False
Recycler Onsite:	False
Transfer Facility:	False
Other Exemption:	Not reported
UW Battery Gen:	False
Used Oil Transporter:	False
Used Oil Transfer Facility:	False
Used Oil Processor:	False
Used Oil Refiner:	False
Used Oil Fuel Marketer Directs Shipments:	False
Used Oil Fuel Marketer Meets Specs:	False
Site Contact Address 2:	Not reported

Name:	CHEVRON USA INC SS 98538
Address:	31204 PACIFIC HWY S
City,State,Zip:	FEDERAL WAY, WA 98003
Facility Address 2:	Not reported
Facility ID:	75488972
EPA ID:	WAD988486049
NAICS:	447110
State Waste Code Desc:	Not reported
Federal Waste Code Desc:	Not reported
Form Comm:	Not reported
Data Year:	2015
Permit by Rule:	False
Mailing Address 2:	Not reported
Treatment by Generator:	False
Mixed Radioactive Waste:	False
Importer of Hazardous Waste:	False
Immediate Recycler:	False

CHEVRON USA INC SS 98538 (Continued) **1000658943**

Treatment/Storage/Disposal/Recycling Facility:	False
Generator of Dangerous Fuel Waste:	False
Generator Marketing to Burner:	False
Other Marketers (i.e., blender, distributor, etc.):	False
Utility Boiler Burner:	False
Industry Boiler Burner:	False
Industrial Furnace:	False
Smelter Defferal:	False
Universal Waste:	Not reported
Off-Specification:	Not reported
LN Address 2:	Not reported
Tax Reg #:	409018069
Business Type:	Not reported
Mail Name:	Chevron Products Co
Mailing Address:	PO Box 6004
Mailing City,State,Zip:	San Ramon, CA 94583-2324
Legal Organization Name:	Chevron USA Inc SS 98538
Legal Organization Type:	Private
Legal Contact:	Not reported
Legal Address:	PO Box 6004
Legal Address 2:	Not reported
Legal City,State,Zip:	San Ramon, CA 94583-2324
Legal Phone Number:	877-386-6044
Legal Effective Date:	05/02/1996
Land Organization Name:	Chevron USA Inc
Land Organization Type:	Private
Land Contact:	Not reported
Land Address:	PO Box 6004
Land City,State,Zip:	San Ramon, CA 94583-2324
Land Phone Number:	877-386-6044
Operator Organization Name:	Chevron Products Co
Operator Organization Type:	Private
Operator:	Not reported
Operator Address:	31204 Pacific Hwy S
Operator Address 2:	Not reported
Operator City,State,Zip:	Federal Way, WA 98003
Operator Phone Number:	253-946-0683
Operator Effective Date:	Not reported
Site Contact:	Station Manager
Site Contact Address:	31204 Pacific Hwy S
Contact City,State,Zip:	Federal Way, WA 98003
Site Contact Phone Number:	253-946-0683
Site Contact Email:	NAWTDesk@chevron.com
Gen Status Code:	XQG
Monthly Generation:	False
Batch Generation:	False
One Time Generation:	False
Transport Own Waste:	False
Tranports Other Waste:	False
Recycler Onsite:	False
Transfer Facility:	False
Other Exemption:	Not reported
UW Battery Gen:	False
Used Oil Transporter:	False
Used Oil Transfer Facility:	False
Used Oil Processor:	False
Used Oil Refiner:	False

CHEVRON USA INC SS 98538 (Continued) **1000658943**

Used Oil Fuel Marketer Directs Shipments:	False
Used Oil Fuel Marketer Meets Specs:	False
Site Contact Address 2:	Not reported
Name:	CHEVRON USA INC SS 98538
Address:	31204 PACIFIC HWY S
City,State,Zip:	FEDERAL WAY, WA 98003
Facility Address 2:	Not reported
Facility ID:	75488972
EPA ID:	WAD988486049
NAICS:	447110
State Waste Code Desc:	Not reported
Federal Waste Code Desc:	Not reported
Form Comm:	Not reported
Data Year:	2014
Permit by Rule:	False
Mailing Address 2:	Not reported
Treatment by Generator:	False
Mixed Radioactive Waste:	False
Importer of Hazardous Waste:	False
Immediate Recycler:	False
Treatment/Storage/Disposal/Recycling Facility:	False
Generator of Dangerous Fuel Waste:	False
Generator Marketing to Burner:	False
Other Marketers (i.e., blender, distributor, etc.):	False
Utility Boiler Burner:	False
Industry Boiler Burner:	False
Industrial Furnace:	False
Smelter Defferal:	False
Universal Waste:	Not reported
Off-Specification:	Not reported
LN Address 2:	Not reported
Tax Reg #:	409018069
Business Type:	Not reported
Mail Name:	Chevron Products Co
Mailing Address:	PO Box 6004
Mailing City,State,Zip:	San Ramon, CA 94583-2324
Legal Organization Name:	Chevron USA Inc SS 98538
Legal Organization Type:	Private
Legal Contact:	Not reported
Legal Address:	PO Box 6004
Legal Address 2:	Not reported
Legal City,State,Zip:	San Ramon, CA 94583-2324
Legal Phone Number:	877-386-6044
Legal Effective Date:	05/02/1996
Land Organization Name:	Chevron USA Inc
Land Organization Type:	Private
Land Contact:	Not reported
Land Address:	PO Box 6004
Land City,State,Zip:	San Ramon, CA 94583-2324
Land Phone Number:	877-386-6044
Operator Organization Name:	Chevron Products Co
Operator Organization Type:	Private
Operator:	Not reported
Operator Address:	31204 Pacific Hwy S
Operator Address 2:	Not reported
Operator City,State,Zip:	Federal Way, WA 98003

CHEVRON USA INC SS 98538 (Continued) **1000658943**

Operator Phone Number:	253-946-0683
Operator Effective Date:	Not reported
Site Contact:	Station Manager
Site Contact Address:	31204 Pacific Hwy S
Contact City,State,Zip:	Federal Way, WA 98003
Site Contact Phone Number:	253-946-0683
Site Contact Email:	NAWTDesk@chevron.com
Gen Status Code:	XQG
Monthly Generation:	False
Batch Generation:	False
One Time Generation:	False
Transport Own Waste:	False
Tranports Other Waste:	False
Recycler Onsite:	False
Transfer Facility:	False
Other Exemption:	Not reported
UW Battery Gen:	False
Used Oil Transporter:	False
Used Oil Transfer Facility:	False
Used Oil Processor:	False
Used Oil Refiner:	False
Used Oil Fuel Marketer Directs Shipments:	False
Used Oil Fuel Marketer Meets Specs:	False
Site Contact Address 2:	Not reported

Name:	CHEVRON USA INC SS 98538
Address:	31204 PACIFIC HWY S
City,State,Zip:	FEDERAL WAY, WA 98003
Facility Address 2:	Not reported
Facility ID:	75488972
EPA ID:	WAD988486049
NAICS:	447110
State Waste Code Desc:	Not reported
Federal Waste Code Desc:	D001, D018
Form Comm:	Not reported
Data Year:	2013
Permit by Rule:	False
Mailing Address 2:	Not reported
Treatment by Generator:	False
Mixed Radioactive Waste:	False
Importer of Hazardous Waste:	False
Immediate Recycler:	False
Treatment/Storage/Disposal/Recycling Facility:	False
Generator of Dangerous Fuel Waste:	False
Generator Marketing to Burner:	False
Other Marketers (i.e., blender, distributor, etc.):	False
Utility Boiler Burner:	False
Industry Boiler Burner:	False
Industrial Furnace:	False
Smelter Defferal:	False
Universal Waste:	Not reported
Off-Specification:	Not reported
LN Address 2:	Not reported
Tax Reg #:	409018069
Business Type:	Not reported
Mail Name:	Chevron Products Co
Mailing Address:	PO Box 6004

CHEVRON USA INC SS 98538 (Continued) **1000658943**

Mailing City,State,Zip:	San Ramon, CA 94583-2324
Legal Organization Name:	Chevron USA Inc SS 98538
Legal Organization Type:	Private
Legal Contact:	Not reported
Legal Address:	PO Box 6004
Legal Address 2:	Not reported
Legal City,State,Zip:	San Ramon, CA 94583-2324
Legal Phone Number:	877-386-6044
Legal Effective Date:	05/02/1996
Land Organization Name:	Chevron USA Inc
Land Organization Type:	Private
Land Contact:	Not reported
Land Address:	PO Box 6004
Land City,State,Zip:	San Ramon, CA 94583-2324
Land Phone Number:	877-386-6044
Operator Organization Name:	Chevron Products Co
Operator Organization Type:	Private
Operator:	Not reported
Operator Address:	31204 Pacific Hwy S
Operator Address 2:	Not reported
Operator City,State,Zip:	Federal Way, WA 98003
Operator Phone Number:	253-946-0683
Operator Effective Date:	Not reported
Site Contact:	Station Manager
Site Contact Address:	31204 Pacific Hwy S
Contact City,State,Zip:	Federal Way, WA 98003
Site Contact Phone Number:	253-946-0683
Site Contact Email:	NAWTDesk@chevron.com
Gen Status Code:	MQG
Monthly Generation:	False
Batch Generation:	True
One Time Generation:	False
Transport Own Waste:	False
Tranports Other Waste:	False
Recycler Onsite:	False
Transfer Facility:	False
Other Exemption:	Not reported
UW Battery Gen:	False
Used Oil Transporter:	False
Used Oil Transfer Facility:	False
Used Oil Processor:	False
Used Oil Refiner:	False
Used Oil Fuel Marketer Directs Shipments:	False
Used Oil Fuel Marketer Meets Specs:	False
Site Contact Address 2:	Not reported

Waste Stream Generated:

Waste Managed Off Site:	Y
State Only Waste Code 1:	Not reported
State Only Waste Code 2:	Not reported
Report Managed On Site:	0
KG Managed On Site:	0
Generator Treatment Code:	Not reported
Permit By Rule Code:	Not reported
WCDE Residence Code:	Not reported
WCDH Origin Code:	1
WCDE On Site Code:	Not reported
WCDB Code:	W113

CHEVRON USA INC SS 98538 (Continued) **1000658943**

Description:	PCW-Petroleum Contact Water (Spill bucket and sump water, UST integrity tes
CORb Sequence Number:	142744
Sequence Number:	3241720
Mixed Radioactive Flag:	False
Designation Code:	D
Reported Quanity:	960
Quanity Unit:	LB
Kilograms Quanity:	435.456007
Density Number:	0
Density Quanity:	Not reported
Waste Managed Off Site:	Y
State Only Waste Code 1:	Not reported
State Only Waste Code 2:	Not reported
Report Managed On Site:	0
KG Managed On Site:	0
Generator Treatment Code:	Not reported
Permit By Rule Code:	Not reported
WCDE Residence Code:	Not reported
WCDH Origin Code:	2
WCDE On Site Code:	Not reported
WCDB Code:	W002
Description:	Spill pads, dispenser fuel filters, dispenser hoses (RCRA Hazardous)
CORb Sequence Number:	142744
Sequence Number:	3241690
Mixed Radioactive Flag:	False
Designation Code:	D
Reported Quanity:	140
Quanity Unit:	LB
Kilograms Quanity:	63.5040010
Density Number:	0
Density Quanity:	Not reported

Shipments Send:

CORB Waste Sequence Number:	142744
Waste Sequence Number:	3241720
Sequence Number:	1705329
Shipment Date:	2013-03-20 00:00:00
Mainfest Document ID:	005219345FLE
Reported Quanity:	42
Unit of Measure:	LB
Kilograms Quanity:	19.0512003
Receiving EPAID:	UTD981552177
Waste Sequence Number:	3241720
Sequence Number:	1705330
Shipment Date:	2013-09-04 00:00:00
Mainfest Document ID:	005224993FLE
Reported Quanity:	459
Unit of Measure:	LB
Kilograms Quanity:	208.202403
Receiving EPAID:	UTD981552177
Waste Sequence Number:	3241720
Sequence Number:	1705331
Shipment Date:	2013-08-16 00:00:00

CHEVRON USA INC SS 98538 (Continued) **1000658943**

Mainfest Document ID: 005222291FLE
Reported Quanity: 459
Unit of Measure: LB
Kilograms Quanity: 208.202403
Receiving EPAID: UTD981552177

Waste Sequence Number: 3241690
Sequence Number: 1705328
Shipment Date: 2013-09-04 00:00:00
Mainfest Document ID: 005224994FLE
Reported Quanity: 15
Unit of Measure: LB
Kilograms Quanity: 6.80400011
Receiving EPAID: UTD981552177

Waste Sequence Number: 3241690
Sequence Number: 1705327
Shipment Date: 2013-08-16 00:00:00
Mainfest Document ID: 005222290FLE
Reported Quanity: 50
Unit of Measure: LB
Kilograms Quanity: 22.6800003
Receiving EPAID: UTD981552177

Waste Sequence Number: 3241690
Sequence Number: 1705326
Shipment Date: 2013-03-25 00:00:00
Mainfest Document ID: 005225386FLE
Reported Quanity: 75
Unit of Measure: LB
Kilograms Quanity: 34.0200005
Receiving EPAID: UTD981552177

Waste Stream Off Site Mgmt:
Waste CORB Sequence Number: 142744
Waste Sequence Number: 3241690
Sequence Number: 804721
Received EPAID: UTD981552177
Managed Quanity: 140
Kilogram Quanity: 63.5040010
Recycled Percentage: 0
Waste Management System Code: H040

Waste Sequence Number: 3241720
Sequence Number: 804723
Received EPAID: UTD981552177
Managed Quanity: 960
Kilogram Quanity: 435.456007
Recycled Percentage: 0
Waste Management System Code: H040

Waste Stream Comments:
CORB Waste Sequence Number: 142744
Comments: A-7 comment -- Spill bucket water contaminated with hydrocarbons and benzene
Waste Sequence Number: 3241720

CHEVRON USA INC SS 98538 (Continued) **1000658943**

Sequence Number: 1

Waste Stream EPA Code:
CORB Waste Sequence Number: 142744
Waste Sequence Number: 3241690
Sequence Number: 7182730
WCDA Code: D018

Waste Sequence Number: 3241720
Sequence Number: 7183311
WCDA Code: D001

Waste Sequence Number: 3241720
Sequence Number: 7183312
WCDA Code: D018

Waste Stream Source Code:
CORB Waste Sequence Number: 142744
Waste Sequence Number: 3241720
Sequence Number: 1
WCDD Code: G09

Waste Sequence Number: 3241690
Sequence Number: 1
WCDD Code: G32

Name: CHEVRON USA INC SS 98538
Address: 31204 PACIFIC HWY S
City,State,Zip: FEDERAL WAY, WA 98003
Facility Address 2: Not reported
Facility ID: 75488972
EPA ID: WAD988486049
NAICS: 447110
State Waste Code Desc: Not reported
Federal Waste Code Desc: D001, D018, D035, F003
Form Comm: Not reported
Data Year: 2012
Permit by Rule: False
Mailing Address 2: Not reported
Treatment by Generator: False
Mixed Radioactive Waste: False
Importer of Hazardous Waste: False
Immediate Recycler: False
Treatment/Storage/Disposal/Recycling Facility: False
Generator of Dangerous Fuel Waste: False
Generator Marketing to Burner: False
Other Marketers (i.e., blender, distributor, etc.): False
Utility Boiler Burner: False
Industry Boiler Burner: False
Industrial Furnace: False
Smelter Defferal: False
Universal Waste: Not reported
Off-Specification: Not reported
LN Address 2: Not reported
Tax Reg #: 409018069

CHEVRON USA INC SS 98538 (Continued) **1000658943**

Business Type:	Not reported
Mail Name:	Chevron Products Co
Mailing Address:	PO Box 6004
Mailing City,State,Zip:	San Ramon, CA 94583-2324
Legal Organization Name:	Chevron USA Inc SS 98538
Legal Organization Type:	Private
Legal Contact:	Not reported
Legal Address:	PO Box 6004
Legal Address 2:	Not reported
Legal City,State,Zip:	San Ramon, CA 94583-2324
Legal Phone Number:	877-386-6044
Legal Effective Date:	05/02/1996
Land Organization Name:	Chevron USA Inc
Land Organization Type:	Private
Land Contact:	Not reported
Land Address:	PO Box 6004
Land City,State,Zip:	San Ramon, CA 94583-2324
Land Phone Number:	877-386-6044
Operator Organization Name:	Chevron Products Co
Operator Organization Type:	Private
Operator:	Not reported
Operator Address:	31204 Pacific Hwy S
Operator Address 2:	Not reported
Operator City,State,Zip:	Federal Way, WA 98003
Operator Phone Number:	253-946-0683
Operator Effective Date:	Not reported
Site Contact:	Station Manager
Site Contact Address:	31204 Pacific Hwy S
Contact City,State,Zip:	Federal Way, WA 98003
Site Contact Phone Number:	253-946-0683
Site Contact Email:	NAWTDesk@chevron.com
Gen Status Code:	MQG
Monthly Generation:	False
Batch Generation:	True
One Time Generation:	False
Transport Own Waste:	False
Tranports Other Waste:	False
Recycler Onsite:	False
Transfer Facility:	False
Other Exemption:	Not reported
UW Battery Gen:	False
Used Oil Transporter:	False
Used Oil Transfer Facility:	False
Used Oil Processor:	False
Used Oil Refiner:	False
Used Oil Fuel Marketer Directs Shipments:	False
Used Oil Fuel Marketer Meets Specs:	False
Site Contact Address 2:	Not reported

Waste Stream Generated:

Waste Managed Off Site:	Y
State Only Waste Code 1:	Not reported
State Only Waste Code 2:	Not reported
Report Managed On Site:	0
KG Managed On Site:	0
Generator Treatment Code:	Not reported
Permit By Rule Code:	Not reported
WCDE Residence Code:	Not reported

CHEVRON USA INC SS 98538 (Continued) **1000658943**

WCDH Origin Code:	1
WCDE On Site Code:	Not reported
WCDB Code:	W209
Description:	Paint/Lacquer Thinner
CORb Sequence Number:	137325
Sequence Number:	2668208
Mixed Radioactive Flag:	False
Designation Code:	D
Reported Quanity:	42
Quanity Unit:	LB
Kilograms Quanity:	19.0512003
Density Number:	0
Density Quanity:	Not reported
Waste Managed Off Site:	Y
State Only Waste Code 1:	Not reported
State Only Waste Code 2:	Not reported
Report Managed On Site:	0
KG Managed On Site:	0
Generator Treatment Code:	Not reported
Permit By Rule Code:	Not reported
WCDE Residence Code:	Not reported
WCDH Origin Code:	2
WCDE On Site Code:	Not reported
WCDB Code:	W002
Description:	Spill Pads/Dispenser Fuel Filters/Dispenser Hoses w/Gas
CORb Sequence Number:	137325
Sequence Number:	2668193
Mixed Radioactive Flag:	False
Designation Code:	D
Reported Quanity:	325
Quanity Unit:	LB
Kilograms Quanity:	147.420002
Density Number:	0
Density Quanity:	Not reported
Waste Managed Off Site:	Y
State Only Waste Code 1:	Not reported
State Only Waste Code 2:	Not reported
Report Managed On Site:	0
KG Managed On Site:	0
Generator Treatment Code:	Not reported
Permit By Rule Code:	Not reported
WCDE Residence Code:	Not reported
WCDH Origin Code:	1
WCDE On Site Code:	Not reported
WCDB Code:	W113
Description:	spill bucket water contaminated with hydrocarbons and benzene
CORb Sequence Number:	137325
Sequence Number:	2668191
Mixed Radioactive Flag:	False
Designation Code:	D
Reported Quanity:	2219
Quanity Unit:	LB
Kilograms Quanity:	1006.53841
Density Number:	0
Density Quanity:	Not reported

CHEVRON USA INC SS 98538 (Continued) **1000658943**

Shipments Send:

CORB Waste Sequence Number:	137325
Waste Sequence Number:	2668191
Sequence Number:	1378434
Shipment Date:	2012-11-06 00:00:00
Mainfest Document ID:	004446089FLE
Reported Quanity:	8
Unit of Measure:	LB
Kilograms Quanity:	3.62880006
Receiving EPAID:	UTD981552177
Waste Sequence Number:	2668191
Sequence Number:	1378430
Shipment Date:	2012-02-24 00:00:00
Mainfest Document ID:	004447557FLE
Reported Quanity:	459
Unit of Measure:	LB
Kilograms Quanity:	208.202403
Receiving EPAID:	UTD981552177
Waste Sequence Number:	2668191
Sequence Number:	1378431
Shipment Date:	2012-03-12 00:00:00
Mainfest Document ID:	004390701FLE
Reported Quanity:	459
Unit of Measure:	LB
Kilograms Quanity:	208.202403
Receiving EPAID:	UTD981552177
Waste Sequence Number:	2668191
Sequence Number:	1378433
Shipment Date:	2012-07-07 00:00:00
Mainfest Document ID:	004449187FLE
Reported Quanity:	250
Unit of Measure:	LB
Kilograms Quanity:	113.400001
Receiving EPAID:	UTD981552177
Waste Sequence Number:	2668191
Sequence Number:	1378432
Shipment Date:	2012-05-12 00:00:00
Mainfest Document ID:	004449603FLE
Reported Quanity:	1043
Unit of Measure:	LB
Kilograms Quanity:	473.104808
Receiving EPAID:	UTD981552177
Waste Sequence Number:	2668208
Sequence Number:	1378442
Shipment Date:	2012-08-15 00:00:00
Mainfest Document ID:	005222447FLE
Reported Quanity:	42
Unit of Measure:	LB
Kilograms Quanity:	19.0512003
Receiving EPAID:	WAD981769110
Waste Sequence Number:	2668193

CHEVRON USA INC SS 98538 (Continued) **1000658943**

Sequence Number: 1378435
Shipment Date: 2012-02-24 00:00:00
Mainfest Document ID: 004447556FLE
Reported Quanity: 75
Unit of Measure: LB
Kilograms Quanity: 34.0200005
Receiving EPAID: UTD981552177

Waste Sequence Number: 2668193
Sequence Number: 1378437
Shipment Date: 2012-11-06 00:00:00
Mainfest Document ID: 004446085FLE
Reported Quanity: 100
Unit of Measure: LB
Kilograms Quanity: 45.3600007
Receiving EPAID: UTD981552177

Waste Sequence Number: 2668193
Sequence Number: 1378436
Shipment Date: 2012-07-07 00:00:00
Mainfest Document ID: 004449188FLE
Reported Quanity: 150
Unit of Measure: LB
Kilograms Quanity: 68.0400011
Receiving EPAID: UTD981552177

Waste Stream Off Site Mgmt:
Waste CORB Sequence Number: 137325
Waste Sequence Number: 2668193
Sequence Number: 667849
Received EPAID: UTD981552177
Managed Quanity: 325
Kilogram Quanity: 147.420002
Recycled Percentage: Not reported
Waste Management System Code: H040

Waste Sequence Number: 2668208
Sequence Number: 667850
Received EPAID: WAD981769110
Managed Quanity: 42
Kilogram Quanity: 19.0512003
Recycled Percentage: Not reported
Waste Management System Code: H141

Waste Sequence Number: 2668191
Sequence Number: 667845
Received EPAID: UTD981552177
Managed Quanity: 2219
Kilogram Quanity: 1006.53841
Recycled Percentage: Not reported
Waste Management System Code: H040

Waste Stream EPA Code:
CORB Waste Sequence Number: 137325
Waste Sequence Number: 2668193
Sequence Number: 5931024

CHEVRON USA INC SS 98538 (Continued) **1000658943**

WCDA Code: D018

Waste Sequence Number: 2668208
Sequence Number: 5931155
WCDA Code: D001

Waste Sequence Number: 2668208
Sequence Number: 5931156
WCDA Code: D035

Waste Sequence Number: 2668208
Sequence Number: 5931157
WCDA Code: F003

Waste Sequence Number: 2668191
Sequence Number: 5931016
WCDA Code: D001

Waste Sequence Number: 2668191
Sequence Number: 5931017
WCDA Code: D018

Waste Stream Source Code:
CORB Waste Sequence Number: 137325
Waste Sequence Number: 2668191
Sequence Number: 1
WCDD Code: G13

Waste Sequence Number: 2668208
Sequence Number: 1
WCDD Code: G11

Waste Sequence Number: 2668193
Sequence Number: 1
WCDD Code: G32

Name: CHEVRON USA INC SS 98538
Address: 31204 PACIFIC HWY S
City,State,Zip: FEDERAL WAY, WA 98003
Facility Address 2: Not reported
Facility ID: 75488972
EPA ID: WAD988486049
NAICS: 447110
State Waste Code Desc: Not reported
Federal Waste Code Desc: Not reported
Form Comm: Not reported
Data Year: 2011
Permit by Rule: False
Mailing Address 2: Not reported
Treatment by Generator: False
Mixed Radioactive Waste: False
Importer of Hazardous Waste: False
Immediate Recycler: False
Treatment/Storage/Disposal/Recycling Facility: False
Generator of Dangerous Fuel Waste: False
Generator Marketing to Burner: False

CHEVRON USA INC SS 98538 (Continued) **1000658943**

Other Marketers (i.e., blender, distributor, etc.):	False
Utility Boiler Burner:	False
Industry Boiler Burner:	False
Industrial Furnace:	False
Smelter Defferal:	False
Universal Waste:	Not reported
Off-Specification:	Not reported
LN Address 2:	Not reported
Tax Reg #:	409018069
Business Type:	Not reported
Mail Name:	Chevron Products Co
Mailing Address:	PO Box 6004
Mailing City,State,Zip:	San Ramon, CA 94583-2324
Legal Organization Name:	Chevron USA Inc SS 98538
Legal Organization Type:	Private
Legal Contact:	Not reported
Legal Address:	PO Box 6004
Legal Address 2:	Not reported
Legal City,State,Zip:	San Ramon, CA 94583-2324
Legal Phone Number:	877-386-6044
Legal Effective Date:	05/02/1996
Land Organization Name:	Chevron USA Inc
Land Organization Type:	Private
Land Contact:	Not reported
Land Address:	PO Box 6004
Land City,State,Zip:	San Ramon, CA 94583-2324
Land Phone Number:	877-386-6044
Operator Organization Name:	Chevron Products Co
Operator Organization Type:	Private
Operator:	Not reported
Operator Address:	31204 Pacific Hwy S
Operator Address 2:	Not reported
Operator City,State,Zip:	Federal Way, WA 98003
Operator Phone Number:	253-946-0683
Operator Effective Date:	Not reported
Site Contact:	Station Manager
Site Contact Address:	31204 Pacific Hwy S
Contact City,State,Zip:	Federal Way, WA 98003
Site Contact Phone Number:	253-946-0683
Site Contact Email:	NAWTDesk@chevron.com
Gen Status Code:	MQG
Monthly Generation:	False
Batch Generation:	True
One Time Generation:	False
Transport Own Waste:	False
Tranports Other Waste:	False
Recycler Onsite:	False
Transfer Facility:	False
Other Exemption:	Not reported
UW Battery Gen:	False
Used Oil Transporter:	False
Used Oil Transfer Facility:	False
Used Oil Processor:	False
Used Oil Refiner:	False
Used Oil Fuel Marketer Directs Shipments:	False
Used Oil Fuel Marketer Meets Specs:	False
Site Contact Address 2:	Not reported

CHEVRON USA INC SS 98538 (Continued) **1000658943**

Waste Stream Generated:

Waste Managed Off Site:	Y
State Only Waste Code 1:	Not reported
State Only Waste Code 2:	Not reported
Report Managed On Site:	0
KG Managed On Site:	0
Generator Treatment Code:	Not reported
Permit By Rule Code:	Not reported
WCDE Residence Code:	Not reported
WCDH Origin Code:	1
WCDE On Site Code:	Not reported
WCDB Code:	W113
Description:	spill bucket water contaminated with hydrocarbons and benzene
CORb Sequence Number:	133279
Sequence Number:	2650739
Mixed Radioactive Flag:	False
Designation Code:	D
Reported Quanity:	2204
Quanity Unit:	LB
Kilograms Quanity:	999.734417
Density Number:	0
Density Quanity:	Not reported

Waste Managed Off Site:	Y
State Only Waste Code 1:	Not reported
State Only Waste Code 2:	Not reported
Report Managed On Site:	0
KG Managed On Site:	0
Generator Treatment Code:	Not reported
Permit By Rule Code:	Not reported
WCDE Residence Code:	Not reported
WCDH Origin Code:	2
WCDE On Site Code:	Not reported
WCDB Code:	W002
Description:	RAGS/PADS CONTAMINATED WITH GASOLINE
CORb Sequence Number:	133279
Sequence Number:	2650741
Mixed Radioactive Flag:	False
Designation Code:	D
Reported Quanity:	210
Quanity Unit:	LB
Kilograms Quanity:	95.2560016
Density Number:	0
Density Quanity:	Not reported

Shipments Send:

CORB Waste Sequence Number:	133279
Waste Sequence Number:	2650741
Sequence Number:	1309125
Shipment Date:	2011-08-31 00:00:00
Mainfest Document ID:	004448876FLE
Reported Quanity:	60
Unit of Measure:	LB
Kilograms Quanity:	27.2160004
Receiving EPAID:	UTD981552177

CHEVRON USA INC SS 98538 (Continued) **1000658943**

Waste Sequence Number: 2650741
Sequence Number: 1309124
Shipment Date: 2011-01-04 00:00:00
Mainfest Document ID: 003447931FLE
Reported Quanity: 150
Unit of Measure: LB
Kilograms Quanity: 68.0400011
Receiving EPAID: UTD981552177

Waste Sequence Number: 2650739
Sequence Number: 1309073
Shipment Date: 2011-01-04 00:00:00
Mainfest Document ID: 003447936FLE
Reported Quanity: 234
Unit of Measure: LB
Kilograms Quanity: 106.142401
Receiving EPAID: UTD981552177

Waste Sequence Number: 2650739
Sequence Number: 1309075
Shipment Date: 2011-08-31 00:00:00
Mainfest Document ID: 004448875FLE
Reported Quanity: 134
Unit of Measure: LB
Kilograms Quanity: 60.7824010
Receiving EPAID: UTD981552177

Waste Sequence Number: 2650739
Sequence Number: 1309074
Shipment Date: 2011-03-24 00:00:00
Mainfest Document ID: 004446109FLE
Reported Quanity: 459
Unit of Measure: LB
Kilograms Quanity: 208.202403
Receiving EPAID: UTD981552177

Waste Sequence Number: 2650739
Sequence Number: 1309076
Shipment Date: 2011-11-28 00:00:00
Mainfest Document ID: 004391447FLE
Reported Quanity: 1377
Unit of Measure: LB
Kilograms Quanity: 624.607210
Receiving EPAID: UTD981552177

Waste Stream Off Site Mgmt:
Waste CORB Sequence Number: 133279
Waste Sequence Number: 2650739
Sequence Number: 646639
Received EPAID: UTD981552177
Managed Quanity: 2204
Kilogram Quanity: 999.734417
Recycled Percentage: Not reported
Waste Management System Code: H040

Waste Sequence Number: 2650741
Sequence Number: 646649

CHEVRON USA INC SS 98538 (Continued) **1000658943**

Received EPAID:		UTD981552177
Managed Quanity:		210
Kilogram Quanity:		95.2560016
Recycled Percentage:		Not reported
Waste Management System Code:		H040

Waste Stream Comments:

CORB Waste Sequence Number:		133279
Comments:	Incineration	
Waste Sequence Number:		2650739
Sequence Number:		1
Comments:	Incineration	
Waste Sequence Number:		2650741
Sequence Number:		1

Waste Stream EPA Code:

CORB Waste Sequence Number:	133279
Waste Sequence Number:	2650739
Sequence Number:	5823776
WCDA Code:	D001
Waste Sequence Number:	2650739
Sequence Number:	5823777
WCDA Code:	D018
Waste Sequence Number:	2650741
Sequence Number:	5823929
WCDA Code:	D001
Waste Sequence Number:	2650741
Sequence Number:	5823930
WCDA Code:	D018

Name:		CHEVRON USA INC SS 98538
Address:		31204 PACIFIC HWY S
City,State,Zip:		FEDERAL WAY, WA 98003
Facility Address 2:		Not reported
Facility ID:		75488972
EPA ID:		WAD988486049
NAICS:		447110
State Waste Code Desc:		Not reported
Federal Waste Code Desc:	D001 D018	
Form Comm:		Not reported
Data Year:		2010
Permit by Rule:		False
Mailing Address 2:		Not reported
Treatment by Generator:		False
Mixed Radioactive Waste:		False
Importer of Hazardous Waste:		False
Immediate Recycler:		False
Treatment/Storage/Disposal/Recycling Facility:		False
Generator of Dangerous Fuel Waste:		False
Generator Marketing to Burner:		False
Other Marketers (i.e., blender, distributor, etc.):		False

CHEVRON USA INC SS 98538 (Continued) **1000658943**

Utility Boiler Burner:	False
Industry Boiler Burner:	False
Industrial Furnace:	False
Smelter Defferal:	False
Universal Waste:	Not reported
Off-Specification:	Not reported
LN Address 2:	Not reported
Tax Reg #:	409018069
Business Type:	Not reported
Mail Name:	Chevron Products Co
Mailing Address:	PO Box 6004
Mailing City,State,Zip:	San Ramon, CA 94583-2324
Legal Organization Name:	Chevron USA Inc SS 98538
Legal Organization Type:	Private
Legal Contact:	Not reported
Legal Address:	PO Box 6004
Legal Address 2:	Not reported
Legal City,State,Zip:	San Ramon, CA 94583-2324
Legal Phone Number:	877-386-6044
Legal Effective Date:	05/02/1996
Land Organization Name:	Chevron USA Inc
Land Organization Type:	Private
Land Contact:	Not reported
Land Address:	PO Box 6004
Land City,State,Zip:	San Ramon, CA 94583-2324
Land Phone Number:	877-386-6044
Operator Organization Name:	Chevron Products Co
Operator Organization Type:	Private
Operator:	Not reported
Operator Address:	31204 Pacific Hwy S
Operator Address 2:	Not reported
Operator City,State,Zip:	Federal Way, WA 98003
Operator Phone Number:	253-946-0683
Operator Effective Date:	Not reported
Site Contact:	Station Manager
Site Contact Address:	31204 Pacific Hwy S
Contact City,State,Zip:	Federal Way, WA 98003
Site Contact Phone Number:	253-946-0683
Site Contact Email:	NAWTDesk@chevron.com
Gen Status Code:	MQG
Monthly Generation:	True
Batch Generation:	False
One Time Generation:	False
Transport Own Waste:	False
Tranports Other Waste:	False
Recycler Onsite:	False
Transfer Facility:	False
Other Exemption:	Not reported
UW Battery Gen:	False
Used Oil Transporter:	False
Used Oil Transfer Facility:	False
Used Oil Processor:	False
Used Oil Refiner:	False
Used Oil Fuel Marketer Directs Shipments:	False
Used Oil Fuel Marketer Meets Specs:	False
Site Contact Address 2:	Not reported

CHEVRON USA INC SS 98538 (Continued) **1000658943**

Waste Stream Generated:

Waste Managed Off Site:	Y
State Only Waste Code 1:	Not reported
State Only Waste Code 2:	Not reported
Report Managed On Site:	0
KG Managed On Site:	0
Generator Treatment Code:	Not reported
Permit By Rule Code:	Not reported
WCDE Residence Code:	Not reported
WCDH Origin Code:	1
WCDE On Site Code:	Not reported
WCDB Code:	W113
Description:	spill bucket water contaminated with hydrocarbons and benzene
CORb Sequence Number:	126489
Sequence Number:	2336777
Mixed Radioactive Flag:	False
Designation Code:	D
Reported Quanity:	2503
Quanity Unit:	LB
Kilograms Quanity:	1135.3608195282061
Density Number:	0
Density Quanity:	Not reported

Waste Managed Off Site:	Y
State Only Waste Code 1:	Not reported
State Only Waste Code 2:	Not reported
Report Managed On Site:	0
KG Managed On Site:	0
Generator Treatment Code:	Not reported
Permit By Rule Code:	Not reported
WCDE Residence Code:	Not reported
WCDH Origin Code:	1
WCDE On Site Code:	Not reported
WCDB Code:	W113
Description:	RAGS/PADS CONTAMINATED WITH GASOLINE
CORb Sequence Number:	126489
Sequence Number:	2336779
Mixed Radioactive Flag:	False
Designation Code:	D
Reported Quanity:	325
Quanity Unit:	LB
Kilograms Quanity:	147.42000253562406
Density Number:	0
Density Quanity:	Not reported

Shipments Send:

CORB Waste Sequence Number:	126489
Waste Sequence Number:	2336779
Sequence Number:	1133787
Shipment Date:	7/13/2010
Mainfest Document ID:	002570452FLE
Reported Quanity:	50
Unit of Measure:	LB
Kilograms Quanity:	22.680000390096
Receiving EPAID:	UTD981552177

CHEVRON USA INC SS 98538 (Continued) **1000658943**

Waste Sequence Number:	2336779
Sequence Number:	1133788
Shipment Date:	9/13/2010
Mainfest Document ID:	003454507FLE
Reported Quanity:	75
Unit of Measure:	LB
Kilograms Quanity:	34.020000585144
Receiving EPAID:	UTD981552177

Waste Sequence Number:	2336779
Sequence Number:	1133786
Shipment Date:	4/6/2010
Mainfest Document ID:	002267223FLE
Reported Quanity:	200
Unit of Measure:	LB
Kilograms Quanity:	90.720001560384
Receiving EPAID:	UTD981552177

Waste Sequence Number:	2336777
Sequence Number:	1133783
Shipment Date:	11/11/2010
Mainfest Document ID:	003447503FLE
Reported Quanity:	209
Unit of Measure:	LB
Kilograms Quanity:	94.8024016306013
Receiving EPAID:	UTD981552177

Waste Sequence Number:	2336777
Sequence Number:	1133784
Shipment Date:	11/11/2010
Mainfest Document ID:	003447534FLE
Reported Quanity:	459
Unit of Measure:	LB
Kilograms Quanity:	208.202403581081
Receiving EPAID:	UTD981552177

Waste Sequence Number:	2336777
Sequence Number:	1133781
Shipment Date:	7/13/2010
Mainfest Document ID:	002570452FLE
Reported Quanity:	459
Unit of Measure:	LB
Kilograms Quanity:	208.202403581081
Receiving EPAID:	UTD981552177

Waste Sequence Number:	2336777
Sequence Number:	1133782
Shipment Date:	9/13/2010
Mainfest Document ID:	003454506FLE
Reported Quanity:	459
Unit of Measure:	LB
Kilograms Quanity:	208.202403581081
Receiving EPAID:	UTD981552177

Waste Sequence Number:	2336777
Sequence Number:	1133780
Shipment Date:	4/8/2010

CHEVRON USA INC SS 98538 (Continued) **1000658943**

Mainfest Document ID: 002267235FLE
Reported Quanity: 917
Unit of Measure: LB
Kilograms Quanity: 415.951207154361
Receiving EPAID: UTD981552177

Waste Stream Off Site Mgmt:
Waste CORB Sequence Number: 126489
Waste Sequence Number: 2336777
Sequence Number: 575240
Received EPAID: UTD981552177
Managed Quanity: 2503
Kilogram Quanity: 1135.3608195282061
Recycled Percentage: Not reported
Waste Management System Code: H040

Waste Sequence Number: 2336779
Sequence Number: 575242
Received EPAID: UTD981552177
Managed Quanity: 325
Kilogram Quanity: 147.42000253562406
Recycled Percentage: Not reported
Waste Management System Code: H040

Waste Stream Comments:
CORB Waste Sequence Number: 126489
Comments: Scheduled Monthly Clean Up
Waste Sequence Number: 2336779
Sequence Number: 1

Comments: SPILL BUCKET
Waste Sequence Number: 2336777
Sequence Number: 1

Waste Stream EPA Code:
CORB Waste Sequence Number: 126489
Waste Sequence Number: 2336779
Sequence Number: 5134830
WCDA Code: D001

Waste Sequence Number: 2336779
Sequence Number: 5134831
WCDA Code: D018

Waste Sequence Number: 2336777
Sequence Number: 5080814
WCDA Code: D001

Waste Sequence Number: 2336777
Sequence Number: 5080815
WCDA Code: D018

Waste Stream Source Code:
CORB Waste Sequence Number: 126489
Waste Sequence Number: 2336779

CHEVRON USA INC SS 98538 (Continued) **1000658943**

Sequence Number:	1
WCDD Code:	G39
Waste Sequence Number:	2336777
Sequence Number:	1
WCDD Code:	G09
Name:	CHEVRON USA INC SS 98538
Address:	31204 PACIFIC HWY S
City,State,Zip:	FEDERAL WAY, WA 98003
Facility Address 2:	Not reported
Facility ID:	75488972
EPA ID:	WAD988486049
NAICS:	447110
State Waste Code Desc:	Not reported
Federal Waste Code Desc:	Not reported
Form Comm:	Not reported
Data Year:	2009
Permit by Rule:	False
Mailing Address 2:	Not reported
Treatment by Generator:	False
Mixed Radioactive Waste:	False
Importer of Hazardous Waste:	False
Immediate Recycler:	False
Treatment/Storage/Disposal/Recycling Facility:	False
Generator of Dangerous Fuel Waste:	False
Generator Marketing to Burner:	False
Other Marketers (i.e., blender, distributor, etc.):	False
Utility Boiler Burner:	False
Industry Boiler Burner:	False
Industrial Furnace:	False
Smelter Defferal:	False
Universal Waste:	Not reported
Off-Specification:	Not reported
LN Address 2:	Not reported
Tax Reg #:	409018069
Business Type:	Not reported
Mail Name:	Chevron Products Co
Mailing Address:	PO Box 6004
Mailing City,State,Zip:	San Ramon, CA 94583-2324
Legal Organization Name:	Chevron USA Inc SS 98538
Legal Organization Type:	Private
Legal Contact:	Not reported
Legal Address:	PO Box 6004
Legal Address 2:	Not reported
Legal City,State,Zip:	San Ramon, CA 94583-2324
Legal Phone Number:	925-842-5931
Legal Effective Date:	05/02/1996
Land Organization Name:	Chevron USA Inc
Land Organization Type:	Private
Land Contact:	Not reported
Land Address:	PO Box 6004
Land City,State,Zip:	San Ramon, CA 94583-2324
Land Phone Number:	925-842-3733
Operator Organization Name:	Chevron Products Co
Operator Organization Type:	Private

CHEVRON USA INC SS 98538 (Continued) **1000658943**

Operator:	Not reported
Operator Address:	31204 Pacific Hwy S
Operator Address 2:	Not reported
Operator City,State,Zip:	Federal Way, WA 98003
Operator Phone Number:	253-946-0683
Operator Effective Date:	Not reported
Site Contact:	Station Manager
Site Contact Address:	31204 Pacific Hwy S
Contact City,State,Zip:	Federal Way, WA 98003
Site Contact Phone Number:	253-946-0683
Site Contact Email:	NAWTDesk@chevron.com
Gen Status Code:	MQG
Monthly Generation:	True
Batch Generation:	False
One Time Generation:	False
Transport Own Waste:	False
Tranports Other Waste:	False
Recycler Onsite:	False
Transfer Facility:	False
Other Exemption:	Not reported
UW Battery Gen:	False
Used Oil Transporter:	False
Used Oil Transfer Facility:	False
Used Oil Processor:	False
Used Oil Refiner:	False
Used Oil Fuel Marketer Directs Shipments:	False
Used Oil Fuel Marketer Meets Specs:	False
Site Contact Address 2:	Not reported

Waste Stream Generated:

Waste Managed Off Site:	Y
State Only Waste Code 1:	Not reported
State Only Waste Code 2:	Not reported
Report Managed On Site:	0
KG Managed On Site:	0
Generator Treatment Code:	Not reported
Permit By Rule Code:	Not reported
WCDE Residence Code:	Not reported
WCDH Origin Code:	1
WCDE On Site Code:	Not reported
WCDB Code:	W113
Description:	spill bucket water contaminated with hydrocarbons and benzene
CORb Sequence Number:	121784
Sequence Number:	2061353
Mixed Radioactive Flag:	False
Designation Code:	D
Reported Quanity:	1461
Quanity Unit:	LB
Kilograms Quanity:	662.70961139860538
Density Number:	0
Density Quanity:	Not reported

Waste Managed Off Site:	Y
State Only Waste Code 1:	Not reported
State Only Waste Code 2:	Not reported
Report Managed On Site:	0
KG Managed On Site:	0
Generator Treatment Code:	Not reported

CHEVRON USA INC SS 98538 (Continued) **1000658943**

Permit By Rule Code:	Not reported
WCDE Residence Code:	Not reported
WCDH Origin Code:	1
WCDE On Site Code:	Not reported
WCDB Code:	W113
Description:	RAGS/PADS CONTAMINATED WITH GASOLINE
CORb Sequence Number:	121784
Sequence Number:	2061354
Mixed Radioactive Flag:	False
Designation Code:	D
Reported Quanity:	95
Quanity Unit:	LB
Kilograms Quanity:	43.092000741182417
Density Number:	0
Density Quanity:	Not reported

Shipments Send:

CORB Waste Sequence Number:	121784
Waste Sequence Number:	2061354
Sequence Number:	1012098
Shipment Date:	11/24/2009
Mainfest Document ID:	002569196FKE
Reported Quanity:	25
Unit of Measure:	LB
Kilograms Quanity:	11.340000195048
Receiving EPAID:	UTD981552177

Waste Sequence Number:	2061354
Sequence Number:	1012097
Shipment Date:	4/15/2009
Mainfest Document ID:	002570838FLE
Reported Quanity:	70
Unit of Measure:	LB
Kilograms Quanity:	31.7520005461344
Receiving EPAID:	UTD981552177

Waste Sequence Number:	2061353
Sequence Number:	1012095
Shipment Date:	12/15/2009
Mainfest Document ID:	002569337FLE
Reported Quanity:	376
Unit of Measure:	LB
Kilograms Quanity:	170.553602933522
Receiving EPAID:	UTD981552177

Waste Sequence Number:	2061353
Sequence Number:	1012094
Shipment Date:	4/15/2009
Mainfest Document ID:	002570837FLE
Reported Quanity:	1085
Unit of Measure:	LB
Kilograms Quanity:	492.156008465083
Receiving EPAID:	UTD981552177

Waste Stream Off Site Mgmt:

Waste CORB Sequence Number:	121784

CHEVRON USA INC SS 98538 (Continued) **1000658943**

Waste Sequence Number: 2061354
Sequence Number: 517207
Received EPAID: UTD981552177
Managed Quanity: 95
Kilogram Quanity: 43.092000741182417
Recycled Percentage: Not reported
Waste Management System Code: H040

Waste Sequence Number: 2061353
Sequence Number: 517205
Received EPAID: UTD981552177
Managed Quanity: 1461
Kilogram Quanity: 662.70961139860538
Recycled Percentage: Not reported
Waste Management System Code: H040

Waste Stream Comments:
CORB Waste Sequence Number: 121784
Comments: spill bucket
Waste Sequence Number: 2061353
Sequence Number: 1

Waste Stream EPA Code:
CORB Waste Sequence Number: 121784
Waste Sequence Number: 2061354
Sequence Number: 4456039
WCDA Code: D018

Waste Sequence Number: 2061354
Sequence Number: 4456038
WCDA Code: D001

Waste Sequence Number: 2061353
Sequence Number: 4456044
WCDA Code: D001

Waste Sequence Number: 2061353
Sequence Number: 4456045
WCDA Code: D018

Waste Stream Source Code:
CORB Waste Sequence Number: 121784
Waste Sequence Number: 2061354
Sequence Number: 1
WCDD Code: G32

Waste Sequence Number: 2061353
Sequence Number: 1
WCDD Code: G09

Click this hyperlink while viewing on your computer to access
1 additional WA MANIFEST: record(s) in the EDR Site Report.

Count: 7 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
AUBURN	S105454257	BOEING - AUBURN GOVERNMENT CANAL	15TH AVE. SW & 1ST AVE. S.	98001	ICR
AUBURN	S121069376	NEFF FARM AUBURN	7401 S 300TH ST	98001	CSCSL, VCP, ALLSITES, ASBESTOS
AUBURN	S125715144	STAFFORD MEADOWS	4005 & 4015 S 280TH ST	98001	CSCSL, VCP, ALLSITES
AUBURN	S103505601	BOEING - BLDG. 17-15 - RINSEWATER	PERIMETER ROAD/15TH ST. SW	98001	ICR
FEDERAL WAY	S106238659	FEDERAL WAY RADIATOR	8116 PACIFIC HWY SO		SPILLS
FEDERAL WAY	S124432549	SHELL 121094	31660 PACIFIC HWY S	98003	VCP
SEATTLE	1014202369	LINDE CONTAINER	16TH AVE. SW & SW LANDER ST.		SEMS-ARCHIVE

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: EPA
Telephone: N/A
Last EDR Contact: 06/03/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: EPA
Telephone: N/A
Last EDR Contact: 06/03/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: EPA
Telephone: N/A
Last EDR Contact: 06/03/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 04/03/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/03/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/03/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/23/2020
Date Data Arrived at EDR: 03/25/2020
Date Made Active in Reports: 05/21/2020
Number of Days to Update: 57

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/23/2020
Date Data Arrived at EDR: 03/25/2020
Date Made Active in Reports: 05/21/2020
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/23/2020
Date Data Arrived at EDR: 03/25/2020
Date Made Active in Reports: 05/21/2020
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/23/2020
Date Data Arrived at EDR: 03/25/2020
Date Made Active in Reports: 05/21/2020
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/23/2020
Date Data Arrived at EDR: 03/25/2020
Date Made Active in Reports: 05/21/2020
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 11/04/2019
Date Data Arrived at EDR: 11/13/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 76

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 05/14/2020
Next Scheduled EDR Contact: 08/24/2020
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/13/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 05/15/2020
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/15/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/13/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 05/15/2020
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/15/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/19/2019
Date Made Active in Reports: 03/06/2020
Number of Days to Update: 78

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 03/24/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

HSL: Hazardous Sites List

The Hazardous Sites List is a subset of the CSCSL Report. It includes sites which have been assessed and ranked using the Washington Ranking Method (WARM).

Date of Government Version: 02/26/2020
Date Data Arrived at EDR: 03/05/2020
Date Made Active in Reports: 05/04/2020
Number of Days to Update: 60

Source: Department of Ecology
Telephone: 360-407-7200
Last EDR Contact: 06/01/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Semi-Annually

State- and tribal - equivalent CERCLIS

CSCSL: Confirmed and Suspected Contaminated Sites List

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 01/14/2020
Date Data Arrived at EDR: 01/15/2020
Date Made Active in Reports: 03/25/2020
Number of Days to Update: 70

Source: Department of Ecology
Telephone: 360-407-7200
Last EDR Contact: 04/15/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Solid Waste Facility Database

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 12/04/2019
Date Data Arrived at EDR: 12/05/2019
Date Made Active in Reports: 02/13/2020
Number of Days to Update: 70

Source: Department of Ecology
Telephone: 360-407-6132
Last EDR Contact: 05/28/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Annually

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tanks Site List

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 02/11/2020
Date Data Arrived at EDR: 02/12/2020
Date Made Active in Reports: 04/22/2020
Number of Days to Update: 70

Source: Department of Ecology
Telephone: 360-407-7183
Last EDR Contact: 05/13/2020
Next Scheduled EDR Contact: 08/24/2020
Data Release Frequency: Quarterly

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/10/2019
Date Data Arrived at EDR: 12/05/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 67
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 05/20/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/11/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 05/20/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/04/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/27/2020
Number of Days to Update: 85
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 05/20/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/15/2019
Date Data Arrived at EDR: 12/17/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 55
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/20/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/02/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 05/20/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/01/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/20/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/01/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 05/20/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/03/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 72
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 05/20/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 08/27/2019
Date Data Arrived at EDR: 08/28/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 75
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 03/19/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Varies

UST: Underground Storage Tank Database
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 02/11/2020
Date Data Arrived at EDR: 02/12/2020
Date Made Active in Reports: 04/22/2020
Number of Days to Update: 70
Source: Department of Ecology
Telephone: 360-407-7183
Last EDR Contact: 08/14/2020
Next Scheduled EDR Contact: 08/24/2020
Data Release Frequency: Quarterly

AST: Aboveground Storage Tank Locations
A listing of aboveground storage tank locations regulated by the Department of Ecology's Spill Prevention, Preparedness and Response Program.

Date of Government Version: 12/14/2015
Date Data Arrived at EDR: 02/02/2016
Date Made Active in Reports: 05/03/2016
Number of Days to Update: 91
Source: Department of Ecology
Telephone: 360-407-7562
Last EDR Contact: 04/17/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/11/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 05/20/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/01/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68
Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/20/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/10/2019
Date Data Arrived at EDR: 12/05/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 67

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 05/20/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/01/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 05/20/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/02/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 05/20/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 10/11/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/20/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/03/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 72

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 05/20/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/04/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/27/2020
Number of Days to Update: 85

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 05/20/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

INST CONTROL: Institutional Control Site List
Sites that have institutional controls.

Date of Government Version: 01/14/2020
Date Data Arrived at EDR: 01/15/2020
Date Made Active in Reports: 03/25/2020
Number of Days to Update: 70

Source: Department of Ecology
Telephone: 360-407-7170
Last EDR Contact: 04/15/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Program Sites
Sites that have entered either the Voluntary Cleanup Program or its predecessor Independent Remedial Action Program.

Date of Government Version: 01/14/2020
Date Data Arrived at EDR: 01/15/2020
Date Made Active in Reports: 03/27/2020
Number of Days to Update: 72

Source: Department of Ecology
Telephone: 360-407-7200
Last EDR Contact: 04/15/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Varies

ICR: Independent Cleanup Reports
These are remedial action reports Ecology has received from either the owner or operator of the sites. These actions have been conducted without department oversight or approval and are not under an order or decree. This database is no longer updated by the Department of Ecology.

Date of Government Version: 12/01/2002
Date Data Arrived at EDR: 01/03/2003
Date Made Active in Reports: 01/22/2003
Number of Days to Update: 19

Source: Department of Ecology
Telephone: 360-407-7200
Last EDR Contact: 08/10/2009
Next Scheduled EDR Contact: 11/09/2009
Data Release Frequency: No Update Planned

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 03/18/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

PTAP: PTAP Site Listing
A list of sites accepted into the Petroleum Technical Assistance Program. The Petroleum Technical Assistance Program (PTAP) expands the state's ability to respond to the high customer demand to clean up petroleum contaminated sites. Under the PTAP, the Pollution Liability Insurance Agency (PLIA) may provide informal site-specific technical consultations and issue written opinion letters to persons conducting independent remedial actions at qualifying petroleum cleanup sites. PLIA may provide these services under the authority of RCW 70.149.040(9) and the Model Toxics Control Act (MTCA), Chapter 70.149 RCW and Chapter 173-340 WAC.

Date of Government Version: 02/11/2020
Date Data Arrived at EDR: 02/12/2020
Date Made Active in Reports: 04/22/2020
Number of Days to Update: 70

Source: Department of Ecology
Telephone: 360-407-0515
Last EDR Contact: 05/13/2020
Next Scheduled EDR Contact: 08/24/2020
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Sites Listing

A listing of brownfields sites included in the Confirmed & Suspected Sites Listing. Brownfields are abandoned, idle or underused commercial or industrial properties, where the expansion or redevelopment is hindered by real or perceived contamination. Brownfields vary in size, location, age, and past use -- they can be anything from a five-hundred acre automobile assembly plant to a small, abandoned corner gas station.

Date of Government Version: 01/14/2020
Date Data Arrived at EDR: 01/15/2020
Date Made Active in Reports: 03/25/2020
Number of Days to Update: 70

Source: Department of Ecology
Telephone: 360-725-4030
Last EDR Contact: 04/15/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/02/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 03/06/2020
Number of Days to Update: 81

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/02/2020
Next Scheduled EDR Contact: 06/29/2020
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWTIRE 2: Solid Waste Tire Facilities 2

solid waste tire piles

Date of Government Version: 03/11/2020
Date Data Arrived at EDR: 03/17/2020
Date Made Active in Reports: 05/27/2020
Number of Days to Update: 71

Source: Department of Ecology
Telephone: 425-649-7104
Last EDR Contact: 05/28/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Varies

SWRCY: Recycling Facility List

A llisting of recycling center locations.

Date of Government Version: 01/16/2020
Date Data Arrived at EDR: 01/23/2020
Date Made Active in Reports: 03/27/2020
Number of Days to Update: 64

Source: Department of Ecology
Telephone: 360-407-6105
Last EDR Contact: 04/10/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

SWTIRE: Solid Waste Tire Facilities
This study identified sites statewide with unauthorized accumulations of scrap tires.

Date of Government Version: 11/01/2005
Date Data Arrived at EDR: 03/16/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 28
Source: Department of Ecology
Telephone: N/A
Last EDR Contact: 09/08/2017
Next Scheduled EDR Contact: 12/18/2017
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52
Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 04/16/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137
Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39
Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176
Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 05/01/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ALLSITES: Facility/Site Identification System Listing
Information on facilities and sites of interest to the Department of Ecology.

Date of Government Version: 01/28/2020
Date Data Arrived at EDR: 01/29/2020
Date Made Active in Reports: 04/07/2020
Number of Days to Update: 69
Source: Department of Ecology
Telephone: 360-407-6423
Last EDR Contact: 04/28/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Quarterly

CDL: Clandestine Drug Lab Contaminated Site List
Illegal methamphetamine labs use hazardous chemicals that create public health hazards. Chemicals and residues can cause burns, respiratory and neurological damage, and death. Biological hazards associated with intravenous needles, feces, and blood also pose health risks.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 02/13/2020
Date Made Active in Reports: 04/22/2020
Number of Days to Update: 69
Source: Department of Health
Telephone: 360-236-3380
Last EDR Contact: 04/24/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Varies

HIST CDL: List of Sites Contaminated by Clandestine Drug Labs
This listing of contaminated sites by Clandestine Drug Labs includes non-remediated properties. The current CDL listing does not. This listing is no longer updated by the state agency.

Date of Government Version: 02/08/2007
Date Data Arrived at EDR: 06/26/2007
Date Made Active in Reports: 07/19/2007
Number of Days to Update: 23
Source: Department of Health
Telephone: 360-236-3381
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

CSCSL NFA: Confirmed and Contaminated Sites - No Further Action
This report contains information about sites that are undergoing cleanup and sites that are awaiting further investigation and/or cleanup. Sites on the Hazardous Sites List (see above) are included in this data set.

Date of Government Version: 01/14/2020
Date Data Arrived at EDR: 01/15/2020
Date Made Active in Reports: 03/25/2020
Number of Days to Update: 70
Source: Department of Ecology
Telephone: 360-407-7170
Last EDR Contact: 04/15/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing
PFOS and PFOA stand for perfluorooctane sulfonate and perfluorooctanoic acid, respectively. Both are fluorinated organic chemicals, part of a larger family of compounds referred to as perfluoroalkyl substances (PFASs).

Date of Government Version: 01/15/2020
Date Data Arrived at EDR: 01/16/2020
Date Made Active in Reports: 03/27/2020
Number of Days to Update: 71
Source: Department of Ecology
Telephone: 360-407-6116
Last EDR Contact: 03/26/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Varies

AQUEOUS FOAM: Firefighting Foam Incidents
-> Description here.

Date of Government Version: 01/07/2020
Date Data Arrived at EDR: 01/09/2020
Date Made Active in Reports: 02/06/2020
Number of Days to Update: 28

Source: -> Agency name here.
Telephone: -> Phone here.
Last EDR Contact: 03/26/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Varies

Local Land Records

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 06/03/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/05/2019
Date Data Arrived at EDR: 12/06/2019
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 70

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/24/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

SPILLS: Reported Spills
Spills reported to the Spill Prevention, Preparedness and Response Division.

Date of Government Version: 03/02/2020
Date Data Arrived at EDR: 03/13/2020
Date Made Active in Reports: 05/27/2020
Number of Days to Update: 75

Source: Department of Ecology
Telephone: 360-407-6950
Last EDR Contact: 05/28/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Semi-Annually

SPILLS 90: SPILLS90 data from FirstSearch
Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 05/23/2006
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/06/2013
Number of Days to Update: 62

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/23/2020
Date Data Arrived at EDR: 03/25/2020
Date Made Active in Reports: 05/21/2020
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/28/2020
Date Data Arrived at EDR: 02/19/2020
Date Made Active in Reports: 05/14/2020
Number of Days to Update: 85

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/10/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/06/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/15/2020
Next Scheduled EDR Contact: 08/24/2020
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/19/2019
Date Made Active in Reports: 02/27/2020
Number of Days to Update: 70

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 03/24/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 05/04/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/08/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/20/2020
Next Scheduled EDR Contact: 06/29/2020
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 79

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/21/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 10/23/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 84

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/21/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 06/03/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 11/05/2019
Date Data Arrived at EDR: 11/20/2019
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 149

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/15/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/06/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 8

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 06/03/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 10/09/2019
Date Data Arrived at EDR: 10/11/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 70

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/10/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 03/26/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/25/2019
Date Data Arrived at EDR: 10/25/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 82

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 04/10/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 42

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 03/06/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 06/01/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 05/08/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/01/2019
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data
Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80
Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 04/28/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 01/17/2020
Date Made Active in Reports: 03/06/2020
Number of Days to Update: 49

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 03/26/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/10/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 04/29/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 06/03/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 03/31/2020
Date Data Arrived at EDR: 04/01/2020
Date Made Active in Reports: 05/21/2020
Number of Days to Update: 50

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 05/27/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Quarterly

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/11/2020
Date Data Arrived at EDR: 02/25/2020
Date Made Active in Reports: 05/21/2020
Number of Days to Update: 86

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/21/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 01/16/2018
Date Data Arrived at EDR: 02/28/2020
Date Made Active in Reports: 05/22/2020
Number of Days to Update: 84

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/27/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/21/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/05/2020
Date Data Arrived at EDR: 03/06/2020
Date Made Active in Reports: 05/29/2020
Number of Days to Update: 84

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 06/03/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/03/2020
Date Data Arrived at EDR: 03/03/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 86

Source: EPA
Telephone: (206) 553-1200
Last EDR Contact: 06/02/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 01/05/2020
Date Data Arrived at EDR: 01/07/2020
Date Made Active in Reports: 03/06/2020
Number of Days to Update: 59

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 04/07/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 01/17/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 74

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 04/03/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/18/2020
Date Data Arrived at EDR: 02/19/2020
Date Made Active in Reports: 05/14/2020
Number of Days to Update: 85

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 05/19/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Quarterly

AIRS (EMI): Washington Emissions Data System

Emissions inventory data.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/06/2020
Number of Days to Update: 69

Source: Department of Ecology
Telephone: 360-407-6040
Last EDR Contact: 04/03/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Annually

ASBESTOS: Asbestos Notification Listing

Asbestos sites

Date of Government Version: 02/27/2020
Date Data Arrived at EDR: 02/27/2020
Date Made Active in Reports: 05/06/2020
Number of Days to Update: 69

Source: Department of Labor & Industries
Telephone: 360-902-6209
Last EDR Contact: 05/07/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Site Listing

A listing of coal ash disposal site locations.

Date of Government Version: 12/04/2019
Date Data Arrived at EDR: 12/05/2019
Date Made Active in Reports: 02/13/2020
Number of Days to Update: 70

Source: Department of Ecology
Telephone: 360-407-6933
Last EDR Contact: 05/28/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Varies

DRYCLEANERS: Drycleaner List

A listing of registered drycleaners who registered with the Department of Ecology (using the SIC code of 7215 and 7216) as hazardous waste generators.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/08/2020
Date Made Active in Reports: 04/14/2020
Number of Days to Update: 6

Source: Department of Ecology
Telephone: 360-407-6732
Last EDR Contact: 04/02/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

A listing of financial assurance information for underground storage tank facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 02/24/2020
Date Data Arrived at EDR: 02/26/2020
Date Made Active in Reports: 05/04/2020
Number of Days to Update: 68

Source: Department of Ecology
Telephone: 360-586-1060
Last EDR Contact: 05/19/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: No Update Planned

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 02/14/2020
Date Data Arrived at EDR: 02/18/2020
Date Made Active in Reports: 04/28/2020
Number of Days to Update: 70

Source: Department of Ecology
Telephone: 360-407-6754
Last EDR Contact: 04/30/2020
Next Scheduled EDR Contact: 08/24/2020
Data Release Frequency: Varies

Financial Assurance 3: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 11/15/2017
Date Data Arrived at EDR: 11/20/2017
Date Made Active in Reports: 01/04/2018
Number of Days to Update: 45

Source: Department of Ecology
Telephone: 360-407-6136
Last EDR Contact: 04/30/2020
Next Scheduled EDR Contact: 08/24/2020
Data Release Frequency: No Update Planned

INACTIVE DRYCLEANERS: Inactive Drycleaners

A listing of inactive drycleaner facility locations.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/08/2020
Date Made Active in Reports: 04/14/2020
Number of Days to Update: 6

Source: Department of Ecology
Telephone: 360-407-6732
Last EDR Contact: 04/03/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Annually

WA MANIFEST: Hazardous Waste Manifest Data

Hazardous waste manifest information.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 06/24/2019
Number of Days to Update: 87

Source: Department of Ecology
Telephone: N/A
Last EDR Contact: 03/16/2020
Next Scheduled EDR Contact: 06/29/2020
Data Release Frequency: Annually

NPDES: Water Quality Permit System Data

A listing of permitted wastewater facilities.

Date of Government Version: 01/14/2020
Date Data Arrived at EDR: 01/15/2020
Date Made Active in Reports: 03/27/2020
Number of Days to Update: 72

Source: Department of Ecology
Telephone: 360-407-6073
Last EDR Contact: 04/15/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Quarterly

UIC: Underground Injection Wells Listing

A listing of underground injection wells.

Date of Government Version: 01/14/2020
Date Data Arrived at EDR: 01/15/2020
Date Made Active in Reports: 03/30/2020
Number of Days to Update: 75

Source: Department of Ecology
Telephone: 360-407-6143
Last EDR Contact: 04/14/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Quarterly

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 03/09/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Semi-Annually

PCS INACTIVE: Listing of Inactive PCS Permits
An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 03/26/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Semi-Annually

PCS ENF: Enforcement data
No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 03/26/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 05/21/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Ecology in Washington.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/24/2013
Number of Days to Update: 176

Source: Department of Ecology
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Ecology in Washington.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/10/2014
Number of Days to Update: 193

Source: Department of Ecology
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Ecology in Washington.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/24/2013
Number of Days to Update: 176

Source: Department of Ecology
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COUNTY RECORDS

KING COUNTY:

LF KING: Abandoned Landfill Study in King County
The King County Abandoned Landfill Survey was conducted from October through December 1984 by the Health Department's Environmental Health Division at the request of the King County Council. The primary objective of the survey was to determine if any public health problems existed at the predetermined 24 sites.

Date of Government Version: 04/30/1985
Date Data Arrived at EDR: 11/07/1994
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: Seattle-King County Department of Public Health
Telephone: 206-296-4785
Last EDR Contact: 10/21/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SEATTLE COUNTY:

LF SEATTLE CITY: Abandoned Landfill Study in the City of Seattle
The Seattle Abandoned Landfill Survey was conducted in June and July of 1984 by the Health Department's Environmental Health Division at the request of the Mayor's Office. The primary objective of the survey was to determine if any public health problems existed at the predetermined 12 sites.

Date of Government Version: 07/30/1984
Date Data Arrived at EDR: 11/07/1994
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: Seattle - King County Department of Public Health
Telephone: 206-296-4785
Last EDR Contact: 10/21/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SEATTLE/KING COUNTY:

LF SEATTLE/KING: Seattle - King County Abandoned Landfill Toxicity / Hazard Assessment Project
This report presents the Seattle-King County Health Department's follow-up investigation of two city owned and four county owned abandoned landfills which was conducted from February to December 1986.

Date of Government Version: 12/31/1986
Date Data Arrived at EDR: 08/18/1995
Date Made Active in Reports: 09/20/1995
Number of Days to Update: 33

Source: Department of Public Health
Telephone: 206-296-4785
Last EDR Contact: 08/14/1995
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SNOHOMISH COUNTY:

LF SNOHOMISH: Solid Waste Sites of Record at Snohomish Health District
Solid waste disposal and/or utilization sites in Snohomish County.

Date of Government Version: 09/23/2019
Date Data Arrived at EDR: 09/25/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 29

Source: Snohomish Health District
Telephone: 206-339-5250
Last EDR Contact: 03/18/2020
Next Scheduled EDR Contact: 06/29/2020
Data Release Frequency: No Update Planned

TACOMA/PIERCE COUNTY:

LF TACOMA/PIERCE: Closed Landfill Survey
Following numerous requests for information about closed dumpsites and landfills in Pierce County, the Tacoma-Pierce County Health Department decided to conduct a study on the matter. The aim of the study was to evaluate public health risks associated with the closed dumpsites and landfills, and to determine the need, if any, for further investigations of a more detailed nature. The sites represent all of the known dumpsites and landfills closed after 1950.

Date of Government Version: 09/01/2002
Date Data Arrived at EDR: 03/24/2003
Date Made Active in Reports: 05/14/2003
Number of Days to Update: 51

Source: Tacoma-Pierce County Health Department
Telephone: 206-591-6500
Last EDR Contact: 03/19/2003
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 01/30/2020
Date Made Active in Reports: 03/09/2020
Number of Days to Update: 39

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/12/2020
Next Scheduled EDR Contact: 08/24/2020
Data Release Frequency: No Update Planned

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 05/01/2019
Date Made Active in Reports: 06/21/2019
Number of Days to Update: 51

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 04/29/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/02/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/09/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Daycare Center Listing
Source: Department of Social & Health Services
Telephone: 253-383-1735

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Ecology
Telephone: 360-407-6121

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

CF FEDERAL WAY LLC
29805 PACIFIC HWY S
FEDERAL WAY, WA 98003

TARGET PROPERTY COORDINATES

Latitude (North):	47.335234 - 47° 20' 6.84''
Longitude (West):	122.312776 - 122° 18' 45.99''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	551920.4
UTM Y (Meters):	5242429.0
Elevation:	426 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	6005095 POVERTY BAY, WA
Version Date:	2014

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

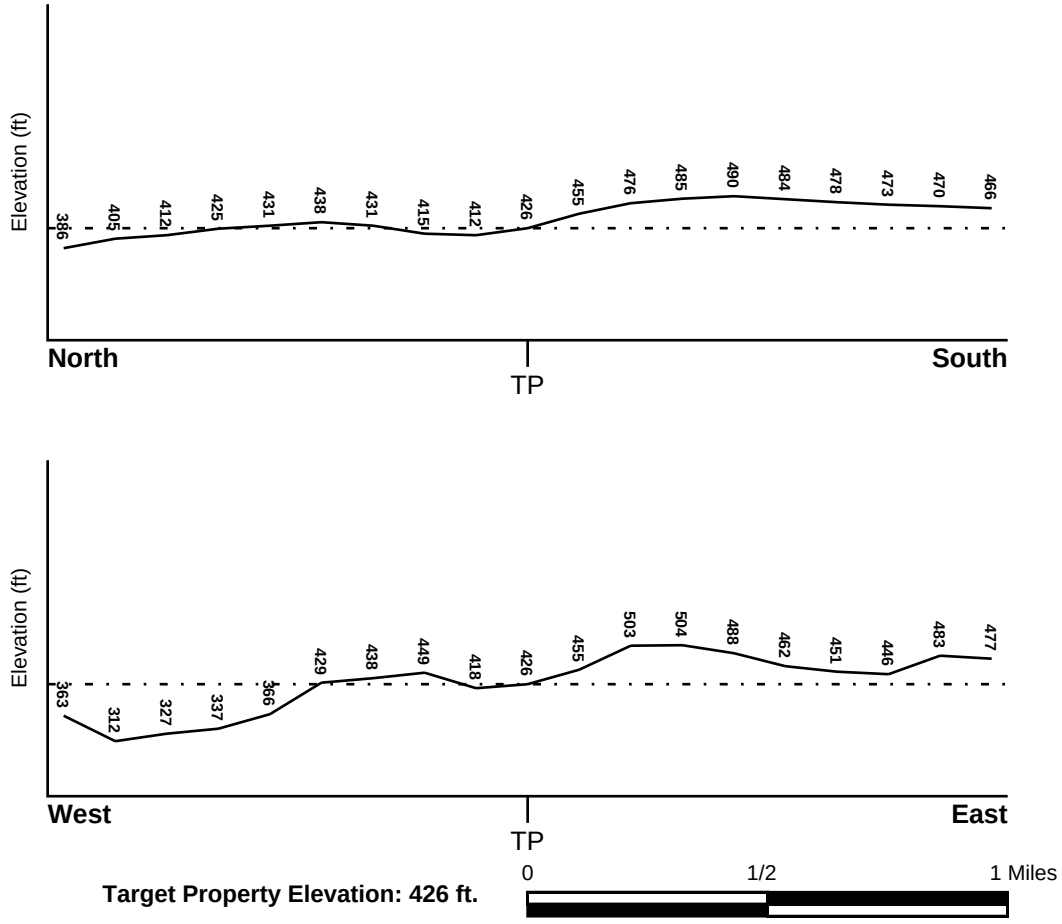
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
53033C1235F	FEMA Q3 Flood data

Additional Panels in search area:	FEMA Source Type
53033C1250F	FEMA Q3 Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
POVERTY BAY	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

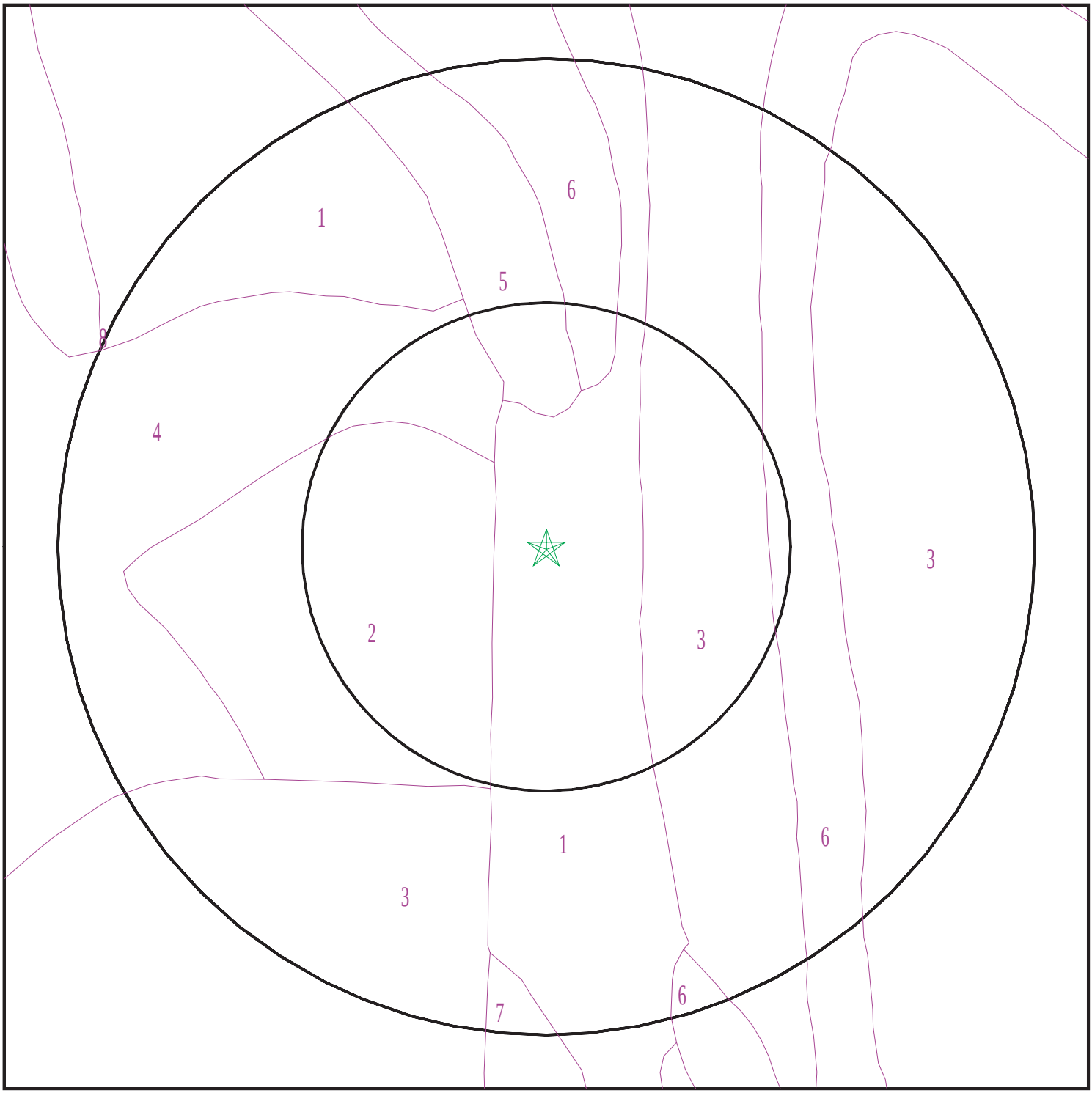
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 6082624.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	CF Federal Way LLC	CLIENT:	TGE Resources, Inc.
ADDRESS:	29805 Pacific Hwy S FEDERAL WAY WA 98003	CONTACT:	Gwen Younts
LAT/LONG:	47.335234 / 122.312776	INQUIRY #:	6082624.2s
		DATE:	June 04, 2020 1:34 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Alderwood

Soil Surface Texture: gravelly sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 84 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 0.42 Min: 0.01	Max: 6 Min: 5.1
2	11 inches	26 inches	very gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 0.42 Min: 0.01	Max: 6 Min: 5.1
3	26 inches	59 inches	very gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 0.42 Min: 0.01	Max: 6 Min: 5.1

Soil Map ID: 2

Soil Component Name: Pits

Soil Surface Texture: gravelly sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class:
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 3

Soil Component Name: Arents

Soil Surface Texture: gravelly sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 84 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	25 inches	gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 0.42 Min: 0.01	Max: 6 Min: 5.1

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	25 inches	59 inches	very gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 0.42 Min: 0.01	Max: 6 Min: 5.1

Soil Map ID: 4

Soil Component Name: Arents

Soil Surface Texture: gravelly sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 84 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	25 inches	gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 0.42 Min: 0.01	Max: 6 Min: 5.1

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	25 inches	59 inches	very gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 0.42 Min: 0.01	Max: 6 Min: 5.1

Soil Map ID: 5

Soil Component Name: Alderwood

Soil Surface Texture: gravelly sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 69 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 0.42 Min: 0.01	Max: 6 Min: 5.1

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	11 inches	26 inches	very gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 0.42 Min: 0.01	Max: 6 Min: 5.1
3	26 inches	59 inches	very gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 0.42 Min: 0.01	Max: 6 Min: 5.1

Soil Map ID: 6

Soil Component Name: Alderwood

Soil Surface Texture: gravelly sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 84 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 0.42 Min: 0.01	Max: 6 Min: 5.1

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	11 inches	40 inches	very gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 0.42 Min: 0.01	Max: 6 Min: 5.1
3	40 inches	59 inches	very gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 0.42 Min: 0.01	Max: 6 Min: 5.1

Soil Map ID: 7

Soil Component Name: Alderwood

Soil Surface Texture: gravelly sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 84 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 0.42 Min: 0.01	Max: 6 Min: 5.1

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	11 inches	26 inches	very gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 0.42 Min: 0.01	Max: 6 Min: 5.1
3	26 inches	59 inches	very gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 0.42 Min: 0.01	Max: 6 Min: 5.1

Soil Map ID: 8

Soil Component Name: Everett

Soil Surface Texture: gravelly sandy loam

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	16 inches	gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel.	Max: 705 Min: 141	Max: 6.5 Min: 5.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	16 inches	31 inches	very gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel.	Max: 705 Min: 141	Max: 6.5 Min: 5.6
3	31 inches	59 inches	very gravelly coarse sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel.	Max: 705 Min: 141	Max: 6.5 Min: 5.6

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	USGS40001255146	0 - 1/8 Mile ESE
D92	USGS40001255289	1/8 - 1/4 Mile NNW
101	USGS40001255145	1/4 - 1/2 Mile East

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
102	USGS40001255056	1/4 - 1/2 Mile SW
103	USGS40001255380	1/4 - 1/2 Mile NW
F149	USGS40001255421	1/4 - 1/2 Mile NNE
H150	USGS40001255055	1/2 - 1 Mile WSW
151	USGS40001255442	1/2 - 1 Mile North
H216	USGS40001255062	1/2 - 1 Mile WSW
N351	USGS40001255539	1/2 - 1 Mile North
P367	USGS40001255370	1/2 - 1 Mile NE
O368	USGS40001255552	1/2 - 1 Mile North
484	USGS40001255510	1/2 - 1 Mile NE
U503	USGS40001254765	1/2 - 1 Mile SSE
504	USGS40001255612	1/2 - 1 Mile NNW
W508	USGS40001255420	1/2 - 1 Mile ENE
W509	USGS40001255419	1/2 - 1 Mile ENE
V511	USGS40001255110	1/2 - 1 Mile East
512	USGS40001255321	1/2 - 1 Mile ENE
513	USGS40001255499	1/2 - 1 Mile NE
560	USGS40001255453	1/2 - 1 Mile NE
AA561	USGS40001254890	1/2 - 1 Mile ESE
AG596	USGS40001255158	1/2 - 1 Mile West
AG597	USGS40001255172	1/2 - 1 Mile West
AE598	USGS40001254796	1/2 - 1 Mile SW
AG624	USGS40001255159	1/2 - 1 Mile West
AG625	USGS40001255173	1/2 - 1 Mile West

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
517	WA5305568	1/2 - 1 Mile South

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A2	WALOG1000000983	0 - 1/8 Mile ESE
A3	WALOG1000000982	0 - 1/8 Mile ESE
A4	WALOG1000001028	0 - 1/8 Mile ESE
A5	WALOG1000000984	0 - 1/8 Mile ESE
A6	WALOG1000000979	0 - 1/8 Mile ESE
A7	WALOG1000000978	0 - 1/8 Mile ESE
A8	WALOG1000000981	0 - 1/8 Mile ESE
A9	WALOG1000000980	0 - 1/8 Mile ESE
A10	WALOG1000429571	0 - 1/8 Mile ESE
A11	WALOG1000429570	0 - 1/8 Mile ESE
A12	WALOG1000429572	0 - 1/8 Mile ESE
A13	WALOG1000626797	0 - 1/8 Mile ESE
A14	WALOG1000001030	0 - 1/8 Mile ESE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A15	WALOG1000001029	0 - 1/8 Mile ESE
A16	WALOG1000429569	0 - 1/8 Mile ESE
A17	WALOG1000001031	0 - 1/8 Mile ESE
A18	WALOG1000000977	0 - 1/8 Mile ESE
A19	WALOG1000000918	0 - 1/8 Mile ESE
A20	WALOG1000000917	0 - 1/8 Mile ESE
A21	WALOG1000000920	0 - 1/8 Mile ESE
A22	WALOG1000000919	0 - 1/8 Mile ESE
A23	WALOG1000000911	0 - 1/8 Mile ESE
A24	WALOG1000000912	0 - 1/8 Mile ESE
A25	WALOG1000000916	0 - 1/8 Mile ESE
A26	WALOG1000000915	0 - 1/8 Mile ESE
A27	WALOG1000000974	0 - 1/8 Mile ESE
A28	WALOG1000000973	0 - 1/8 Mile ESE
A29	WALOG1000000976	0 - 1/8 Mile ESE
A30	WALOG1000000975	0 - 1/8 Mile ESE
A31	WALOG1000000970	0 - 1/8 Mile ESE
A32	WALOG1000000969	0 - 1/8 Mile ESE
A33	WALOG1000000972	0 - 1/8 Mile ESE
A34	WALOG1000000971	0 - 1/8 Mile ESE
A35	WALOG1000626798	0 - 1/8 Mile ESE
A36	WALOG1000803954	0 - 1/8 Mile ESE
A37	WALOG1000813205	0 - 1/8 Mile ESE
A38	WALOG1000813228	0 - 1/8 Mile ESE
A39	WALOG1000803953	0 - 1/8 Mile ESE
A40	WALOG1000792943	0 - 1/8 Mile ESE
A41	WALOG1000803951	0 - 1/8 Mile ESE
A42	WALOG1000803952	0 - 1/8 Mile ESE
A43	WALOG1000813239	0 - 1/8 Mile ESE
A44	WALOG1000813284	0 - 1/8 Mile ESE
A45	WALOG1000813289	0 - 1/8 Mile ESE
A46	WALOG1000813293	0 - 1/8 Mile ESE
A47	WALOG1000813262	0 - 1/8 Mile ESE
A48	WALOG1000813242	0 - 1/8 Mile ESE
A49	WALOG1000813255	0 - 1/8 Mile ESE
A50	WALOG1000813259	0 - 1/8 Mile ESE
A51	WALOG1000792941	0 - 1/8 Mile ESE
A52	WALOG1000626898	0 - 1/8 Mile ESE
A53	WALOG1000626912	0 - 1/8 Mile ESE
A54	WALOG1000781762	0 - 1/8 Mile ESE
A55	WALOG1000626886	0 - 1/8 Mile ESE
A56	WALOG1000626822	0 - 1/8 Mile ESE
A57	WALOG1000626823	0 - 1/8 Mile ESE
A58	WALOG1000626857	0 - 1/8 Mile ESE
A59	WALOG1000786054	0 - 1/8 Mile ESE
A60	WALOG1000786059	0 - 1/8 Mile ESE
A61	WALOG1000786060	0 - 1/8 Mile ESE
A62	WALOG1000786061	0 - 1/8 Mile ESE
A63	WALOG1000786058	0 - 1/8 Mile ESE
A64	WALOG1000786055	0 - 1/8 Mile ESE
A65	WALOG1000786056	0 - 1/8 Mile ESE
A66	WALOG1000786057	0 - 1/8 Mile ESE

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
B67	WALOG1000709108	1/8 - 1/4 Mile WSW
B68	WALOG1000741150	1/8 - 1/4 Mile WSW
B69	WALOG1000709109	1/8 - 1/4 Mile WSW
B70	WALOG1000100248	1/8 - 1/4 Mile WSW
B71	WALOG1000689268	1/8 - 1/4 Mile WSW
B72	WALOG1000689269	1/8 - 1/4 Mile WSW
B73	WALOG1000741151	1/8 - 1/4 Mile WSW
B74	WALOG1000741228	1/8 - 1/4 Mile WSW
B75	WALOG1000741229	1/8 - 1/4 Mile WSW
B76	WALOG1000741226	1/8 - 1/4 Mile WSW
B77	WALOG1000741227	1/8 - 1/4 Mile WSW
C78	WALOG1000569315	1/8 - 1/4 Mile NNE
C79	WALOG1000569314	1/8 - 1/4 Mile NNE
C80	WALOG1000569317	1/8 - 1/4 Mile NNE
C81	WALOG1000569316	1/8 - 1/4 Mile NNE
C82	WALOG1000347877	1/8 - 1/4 Mile NNE
C83	WALOG1000347876	1/8 - 1/4 Mile NNE
C84	WALOG1000347879	1/8 - 1/4 Mile NNE
C85	WALOG1000347878	1/8 - 1/4 Mile NNE
C86	WALOG1000569416	1/8 - 1/4 Mile NNE
C87	WALOG1000728466	1/8 - 1/4 Mile NNE
C88	WALOG1000728496	1/8 - 1/4 Mile NNE
C89	WALOG1000569413	1/8 - 1/4 Mile NNE
C90	WALOG1000569414	1/8 - 1/4 Mile NNE
C91	WALOG1000569415	1/8 - 1/4 Mile NNE
D93	WA1100000018180	1/8 - 1/4 Mile NNW
E94	WALOG1000445497	1/4 - 1/2 Mile SSE
E95	WALOG1000445494	1/4 - 1/2 Mile SSE
E96	WALOG1000445491	1/4 - 1/2 Mile SSE
E97	WALOG1000445505	1/4 - 1/2 Mile SSE
E98	WALOG1000445502	1/4 - 1/2 Mile SSE
E99	WALOG1000445499	1/4 - 1/2 Mile SSE
100	WALOG1000174937	1/4 - 1/2 Mile SSW
104	WALOG1000519034	1/4 - 1/2 Mile SE
F105	WALOG1000532660	1/4 - 1/2 Mile NNE
F106	WALOG1000532661	1/4 - 1/2 Mile NNE
F107	WALOG1000532659	1/4 - 1/2 Mile NNE
F108	WALOG1000532657	1/4 - 1/2 Mile NNE
F109	WALOG1000532658	1/4 - 1/2 Mile NNE
F110	WALOG1000532662	1/4 - 1/2 Mile NNE
F111	WALOG1000592018	1/4 - 1/2 Mile NNE
F112	WALOG1000592019	1/4 - 1/2 Mile NNE
F113	WALOG1000592017	1/4 - 1/2 Mile NNE
F114	WALOG1000532663	1/4 - 1/2 Mile NNE
F115	WALOG1000532664	1/4 - 1/2 Mile NNE
F116	WALOG1000346207	1/4 - 1/2 Mile NNE
F117	WALOG1000346208	1/4 - 1/2 Mile NNE
F118	WALOG1000103274	1/4 - 1/2 Mile NNE
F119	WALOG1000300651	1/4 - 1/2 Mile NNE
F120	WALOG1000103443	1/4 - 1/2 Mile NNE
F121	WALOG1000346209	1/4 - 1/2 Mile NNE
F122	WALOG1000346213	1/4 - 1/2 Mile NNE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
F123	WALOG1000346214	1/4 - 1/2 Mile NNE
F124	WALOG1000346212	1/4 - 1/2 Mile NNE
F125	WALOG1000346210	1/4 - 1/2 Mile NNE
F126	WALOG1000346211	1/4 - 1/2 Mile NNE
F127	WALOG1000758954	1/4 - 1/2 Mile NNE
F128	WALOG1000758955	1/4 - 1/2 Mile NNE
F129	WALOG1000758914	1/4 - 1/2 Mile NNE
F130	WALOG1000758953	1/4 - 1/2 Mile NNE
F131	WALOG1000758956	1/4 - 1/2 Mile NNE
F132	WALOG1000758959	1/4 - 1/2 Mile NNE
F133	WALOG1000758960	1/4 - 1/2 Mile NNE
F134	WALOG1000758957	1/4 - 1/2 Mile NNE
F135	WALOG1000758958	1/4 - 1/2 Mile NNE
F136	WALOG1000758913	1/4 - 1/2 Mile NNE
F137	WALOG1000592022	1/4 - 1/2 Mile NNE
F138	WALOG1000592023	1/4 - 1/2 Mile NNE
F139	WALOG1000592020	1/4 - 1/2 Mile NNE
F140	WALOG1000592021	1/4 - 1/2 Mile NNE
F141	WALOG1000592024	1/4 - 1/2 Mile NNE
F142	WALOG1000676406	1/4 - 1/2 Mile NNE
F143	WALOG1000748282	1/4 - 1/2 Mile NNE
F144	WALOG1000592025	1/4 - 1/2 Mile NNE
F145	WALOG1000592026	1/4 - 1/2 Mile NNE
G146	WALOG1000566760	1/4 - 1/2 Mile NNW
G147	WALOG1000576541	1/4 - 1/2 Mile NNW
148	WALOG1000271810	1/4 - 1/2 Mile SW
I152	WALOG1000481451	1/2 - 1 Mile South
I153	WALOG1000481450	1/2 - 1 Mile South
I154	WALOG1000481453	1/2 - 1 Mile South
I155	WALOG1000481452	1/2 - 1 Mile South
I156	WALOG1000481447	1/2 - 1 Mile South
I157	WALOG1000480824	1/2 - 1 Mile South
I158	WALOG1000481449	1/2 - 1 Mile South
I159	WALOG1000481448	1/2 - 1 Mile South
I160	WALOG1000481459	1/2 - 1 Mile South
I161	WALOG1000481458	1/2 - 1 Mile South
I162	WALOG1000481461	1/2 - 1 Mile South
I163	WALOG1000481460	1/2 - 1 Mile South
I164	WALOG1000481455	1/2 - 1 Mile South
I165	WALOG1000481454	1/2 - 1 Mile South
I166	WALOG1000481457	1/2 - 1 Mile South
I167	WALOG1000481456	1/2 - 1 Mile South
I168	WALOG1000408661	1/2 - 1 Mile South
I169	WALOG1000408660	1/2 - 1 Mile South
I170	WALOG1000408663	1/2 - 1 Mile South
I171	WALOG1000408662	1/2 - 1 Mile South
I172	WALOG1000408657	1/2 - 1 Mile South
I173	WALOG1000408656	1/2 - 1 Mile South
I174	WALOG1000408659	1/2 - 1 Mile South
I175	WALOG1000408658	1/2 - 1 Mile South
I176	WALOG1000434072	1/2 - 1 Mile South
I177	WALOG1000434071	1/2 - 1 Mile South

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
I178	WALOG1000480823	1/2 - 1 Mile South
I179	WALOG1000434073	1/2 - 1 Mile South
I180	WALOG1000408665	1/2 - 1 Mile South
I181	WALOG1000408664	1/2 - 1 Mile South
I182	WALOG1000434070	1/2 - 1 Mile South
I183	WALOG1000434069	1/2 - 1 Mile South
I184	WALOG1000712531	1/2 - 1 Mile South
I185	WALOG1000710121	1/2 - 1 Mile South
I186	WALOG1000712683	1/2 - 1 Mile South
I187	WALOG1000712662	1/2 - 1 Mile South
I188	WALOG1000710118	1/2 - 1 Mile South
I189	WALOG1000710117	1/2 - 1 Mile South
I190	WALOG1000710120	1/2 - 1 Mile South
I191	WALOG1000710119	1/2 - 1 Mile South
I192	WALOG1000748776	1/2 - 1 Mile South
I193	WALOG1000748775	1/2 - 1 Mile South
I194	WALOG1000748778	1/2 - 1 Mile South
I195	WALOG1000748777	1/2 - 1 Mile South
I196	WALOG1000748772	1/2 - 1 Mile South
I197	WALOG1000748771	1/2 - 1 Mile South
I198	WALOG1000748774	1/2 - 1 Mile South
I199	WALOG1000748773	1/2 - 1 Mile South
I200	WALOG1000481467	1/2 - 1 Mile South
I201	WALOG1000481466	1/2 - 1 Mile South
I202	WALOG1000481469	1/2 - 1 Mile South
I203	WALOG1000481468	1/2 - 1 Mile South
I204	WALOG1000481463	1/2 - 1 Mile South
I205	WALOG1000481462	1/2 - 1 Mile South
I206	WALOG1000481465	1/2 - 1 Mile South
I207	WALOG1000481464	1/2 - 1 Mile South
I208	WALOG1000481539	1/2 - 1 Mile South
I209	WALOG1000481538	1/2 - 1 Mile South
I210	WALOG1000710116	1/2 - 1 Mile South
I211	WALOG1000481540	1/2 - 1 Mile South
I212	WALOG1000481471	1/2 - 1 Mile South
I213	WALOG1000481470	1/2 - 1 Mile South
I214	WALOG1000481473	1/2 - 1 Mile South
I215	WALOG1000481472	1/2 - 1 Mile South
J217	WALOG1000763839	1/2 - 1 Mile SSW
J218	WALOG1000763838	1/2 - 1 Mile SSW
J219	WALOG1000763840	1/2 - 1 Mile SSW
J220	WALOG1000763844	1/2 - 1 Mile SSW
J221	WALOG1000763843	1/2 - 1 Mile SSW
J222	WALOG1000763837	1/2 - 1 Mile SSW
J223	WALOG1000763833	1/2 - 1 Mile SSW
J224	WALOG1000763828	1/2 - 1 Mile SSW
J225	WALOG1000763834	1/2 - 1 Mile SSW
J226	WALOG1000763836	1/2 - 1 Mile SSW
J227	WALOG1000763835	1/2 - 1 Mile SSW
J228	WALOG1000763880	1/2 - 1 Mile SSW
J229	WALOG1000763879	1/2 - 1 Mile SSW
J230	WALOG1000763881	1/2 - 1 Mile SSW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
J231	WALOG1000763906	1/2 - 1 Mile SSW
J232	WALOG1000763900	1/2 - 1 Mile SSW
J233	WALOG1000763852	1/2 - 1 Mile SSW
J234	WALOG1000763848	1/2 - 1 Mile SSW
J235	WALOG1000763847	1/2 - 1 Mile SSW
J236	WALOG1000763849	1/2 - 1 Mile SSW
J237	WALOG1000763851	1/2 - 1 Mile SSW
J238	WALOG1000763850	1/2 - 1 Mile SSW
J239	WALOG1000763805	1/2 - 1 Mile SSW
J240	WALOG1000763804	1/2 - 1 Mile SSW
J241	WALOG1000763810	1/2 - 1 Mile SSW
J242	WALOG1000763812	1/2 - 1 Mile SSW
J243	WALOG1000763811	1/2 - 1 Mile SSW
J244	WALOG1000763803	1/2 - 1 Mile SSW
J245	WALOG1000220465	1/2 - 1 Mile SSW
J246	WALOG1000220464	1/2 - 1 Mile SSW
J247	WALOG1000763180	1/2 - 1 Mile SSW
J248	WALOG1000763802	1/2 - 1 Mile SSW
J249	WALOG1000763217	1/2 - 1 Mile SSW
J250	WALOG1000763820	1/2 - 1 Mile SSW
J251	WALOG1000763819	1/2 - 1 Mile SSW
J252	WALOG1000763821	1/2 - 1 Mile SSW
J253	WALOG1000763827	1/2 - 1 Mile SSW
J254	WALOG1000763822	1/2 - 1 Mile SSW
J255	WALOG1000763818	1/2 - 1 Mile SSW
J256	WALOG1000763814	1/2 - 1 Mile SSW
J257	WALOG1000763813	1/2 - 1 Mile SSW
J258	WALOG1000763815	1/2 - 1 Mile SSW
J259	WALOG1000763817	1/2 - 1 Mile SSW
J260	WALOG1000763816	1/2 - 1 Mile SSW
J261	WALOG1000763907	1/2 - 1 Mile SSW
J262	WALOG1000791084	1/2 - 1 Mile SSW
J263	WALOG1000791083	1/2 - 1 Mile SSW
J264	WALOG1000791088	1/2 - 1 Mile SSW
J265	WALOG1000793880	1/2 - 1 Mile SSW
J266	WALOG1000793879	1/2 - 1 Mile SSW
J267	WALOG1000791082	1/2 - 1 Mile SSW
J268	WALOG1000791076	1/2 - 1 Mile SSW
J269	WALOG1000791075	1/2 - 1 Mile SSW
J270	WALOG1000791077	1/2 - 1 Mile SSW
J271	WALOG1000791081	1/2 - 1 Mile SSW
J272	WALOG1000791079	1/2 - 1 Mile SSW
J273	WALOG1000793888	1/2 - 1 Mile SSW
J274	WALOG1000793887	1/2 - 1 Mile SSW
J275	WALOG1000793889	1/2 - 1 Mile SSW
J276	WALOG1000793891	1/2 - 1 Mile SSW
J277	WALOG1000793890	1/2 - 1 Mile SSW
J278	WALOG1000793886	1/2 - 1 Mile SSW
J279	WALOG1000793882	1/2 - 1 Mile SSW
J280	WALOG1000793881	1/2 - 1 Mile SSW
J281	WALOG1000793883	1/2 - 1 Mile SSW
J282	WALOG1000793885	1/2 - 1 Mile SSW

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
J283	WALOG1000793884	1/2 - 1 Mile SSW
J284	WALOG1000768531	1/2 - 1 Mile SSW
J285	WALOG1000768530	1/2 - 1 Mile SSW
J286	WALOG1000768532	1/2 - 1 Mile SSW
J287	WALOG1000777324	1/2 - 1 Mile SSW
J288	WALOG1000768533	1/2 - 1 Mile SSW
J289	WALOG1000768529	1/2 - 1 Mile SSW
J290	WALOG1000763916	1/2 - 1 Mile SSW
J291	WALOG1000763913	1/2 - 1 Mile SSW
J292	WALOG1000763920	1/2 - 1 Mile SSW
J293	WALOG1000768528	1/2 - 1 Mile SSW
J294	WALOG1000768527	1/2 - 1 Mile SSW
J295	WALOG1000791071	1/2 - 1 Mile SSW
J296	WALOG1000791070	1/2 - 1 Mile SSW
J297	WALOG1000791072	1/2 - 1 Mile SSW
J298	WALOG1000791074	1/2 - 1 Mile SSW
J299	WALOG1000791073	1/2 - 1 Mile SSW
J300	WALOG1000791069	1/2 - 1 Mile SSW
J301	WALOG1000777403	1/2 - 1 Mile SSW
J302	WALOG1000777402	1/2 - 1 Mile SSW
J303	WALOG1000778102	1/2 - 1 Mile SSW
J304	WALOG1000778197	1/2 - 1 Mile SSW
J305	WALOG1000778196	1/2 - 1 Mile SSW
306	WA1100000019783	1/2 - 1 Mile West
K307	WALOG1000467866	1/2 - 1 Mile West
K308	WALOG1000467867	1/2 - 1 Mile West
L309	WALOG1000004098	1/2 - 1 Mile SW
L310	WALOG1000004097	1/2 - 1 Mile SW
L311	WALOG1000004099	1/2 - 1 Mile SW
L312	WALOG1000004101	1/2 - 1 Mile SW
L313	WALOG1000004100	1/2 - 1 Mile SW
L314	WALOG1000004096	1/2 - 1 Mile SW
L315	WALOG1000004092	1/2 - 1 Mile SW
L316	WALOG1000004091	1/2 - 1 Mile SW
L317	WALOG1000004093	1/2 - 1 Mile SW
L318	WALOG1000004095	1/2 - 1 Mile SW
L319	WALOG1000004094	1/2 - 1 Mile SW
L320	WALOG1000641480	1/2 - 1 Mile SW
L321	WALOG1000641474	1/2 - 1 Mile SW
L322	WALOG1000641481	1/2 - 1 Mile SW
L323	WALOG1000641483	1/2 - 1 Mile SW
L324	WALOG1000641482	1/2 - 1 Mile SW
L325	WALOG1000641473	1/2 - 1 Mile SW
L326	WALOG1000004103	1/2 - 1 Mile SW
L327	WALOG1000004102	1/2 - 1 Mile SW
L328	WALOG1000004104	1/2 - 1 Mile SW
L329	WALOG1000641472	1/2 - 1 Mile SW
L330	WALOG1000641471	1/2 - 1 Mile SW
M331	WALOG1000000961	1/2 - 1 Mile ESE
M332	WALOG1000000960	1/2 - 1 Mile ESE
M333	WALOG1000000962	1/2 - 1 Mile ESE
M334	WALOG1000004080	1/2 - 1 Mile ESE

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
M335	WALOG1000004079	1/2 - 1 Mile ESE
M336	WALOG1000000889	1/2 - 1 Mile ESE
M337	WALOG1000000888	1/2 - 1 Mile ESE
M338	WALOG1000000957	1/2 - 1 Mile ESE
M339	WALOG1000000959	1/2 - 1 Mile ESE
M340	WALOG1000000958	1/2 - 1 Mile ESE
M341	WALOG1000004087	1/2 - 1 Mile ESE
M342	WALOG1000004086	1/2 - 1 Mile ESE
M343	WALOG1000004088	1/2 - 1 Mile ESE
M344	WALOG1000004090	1/2 - 1 Mile ESE
M345	WALOG1000004089	1/2 - 1 Mile ESE
M346	WALOG1000004082	1/2 - 1 Mile ESE
M347	WALOG1000004081	1/2 - 1 Mile ESE
M348	WALOG1000004083	1/2 - 1 Mile ESE
M349	WALOG1000004085	1/2 - 1 Mile ESE
M350	WALOG1000004084	1/2 - 1 Mile ESE
O352	WALOG1000300650	1/2 - 1 Mile North
O353	WALOG1000300649	1/2 - 1 Mile North
O354	WALOG1000300653	1/2 - 1 Mile North
O355	WALOG1000300652	1/2 - 1 Mile North
O356	WALOG1000177519	1/2 - 1 Mile North
O357	WALOG1000177520	1/2 - 1 Mile North
O358	WALOG1000300648	1/2 - 1 Mile North
O359	WALOG1000089055	1/2 - 1 Mile North
O360	WALOG1000300654	1/2 - 1 Mile North
O361	WALOG1000300660	1/2 - 1 Mile North
O362	WALOG1000300661	1/2 - 1 Mile North
O363	WALOG1000300659	1/2 - 1 Mile North
O364	WALOG1000300655	1/2 - 1 Mile North
O365	WALOG1000300656	1/2 - 1 Mile North
N366	WALOG1000089763	1/2 - 1 Mile NNW
P369	WALOG1000271807	1/2 - 1 Mile NE
P370	WALOG1000283789	1/2 - 1 Mile NE
P371	WALOG1000246054	1/2 - 1 Mile NE
P372	WALOG1000246073	1/2 - 1 Mile NE
P373	WALOG1000283792	1/2 - 1 Mile NE
P374	WALOG1000283793	1/2 - 1 Mile NE
P375	WALOG1000283790	1/2 - 1 Mile NE
P376	WALOG1000283791	1/2 - 1 Mile NE
P377	WALOG1000246053	1/2 - 1 Mile NE
P378	WALOG1000222488	1/2 - 1 Mile NE
P379	WALOG1000222489	1/2 - 1 Mile NE
P380	WALOG1000102265	1/2 - 1 Mile NE
P381	WALOG1000222487	1/2 - 1 Mile NE
P382	WALOG1000246051	1/2 - 1 Mile NE
P383	WALOG1000246052	1/2 - 1 Mile NE
P384	WALOG1000246049	1/2 - 1 Mile NE
P385	WALOG1000246050	1/2 - 1 Mile NE
P386	WALOG1000283794	1/2 - 1 Mile NE
P387	WALOG1000675644	1/2 - 1 Mile NE
P388	WALOG1000675643	1/2 - 1 Mile NE
P389	WALOG1000675642	1/2 - 1 Mile NE

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
P390	WALOG1000675656	1/2 - 1 Mile NE
P391	WALOG1000675691	1/2 - 1 Mile NE
P392	WALOG1000675662	1/2 - 1 Mile NE
P393	WALOG1000675657	1/2 - 1 Mile NE
P394	WALOG1000578205	1/2 - 1 Mile NE
P395	WALOG1000578204	1/2 - 1 Mile NE
P396	WALOG1000578203	1/2 - 1 Mile NE
P397	WALOG1000578206	1/2 - 1 Mile NE
P398	WALOG1000675640	1/2 - 1 Mile NE
P399	WALOG1000578222	1/2 - 1 Mile NE
P400	WALOG1000578221	1/2 - 1 Mile NE
Q401	WALOG1000698509	1/2 - 1 Mile South
Q402	WALOG1000698510	1/2 - 1 Mile South
Q403	WALOG1000395654	1/2 - 1 Mile South
Q404	WALOG1000395718	1/2 - 1 Mile South
Q405	WALOG1000698511	1/2 - 1 Mile South
Q406	WALOG1000698514	1/2 - 1 Mile South
Q407	WALOG1000772850	1/2 - 1 Mile South
Q408	WALOG1000698512	1/2 - 1 Mile South
Q409	WALOG1000698513	1/2 - 1 Mile South
Q410	WALOG1000395653	1/2 - 1 Mile South
Q411	WALOG1000218636	1/2 - 1 Mile South
Q412	WALOG1000218637	1/2 - 1 Mile South
Q413	WALOG1000100880	1/2 - 1 Mile South
Q414	WALOG1000102934	1/2 - 1 Mile South
Q415	WALOG1000395648	1/2 - 1 Mile South
Q416	WALOG1000395651	1/2 - 1 Mile South
Q417	WALOG1000395652	1/2 - 1 Mile South
Q418	WALOG1000395649	1/2 - 1 Mile South
Q419	WALOG1000395650	1/2 - 1 Mile South
Q420	WALOG1000772851	1/2 - 1 Mile South
Q421	WALOG1000777600	1/2 - 1 Mile South
Q422	WALOG1000777601	1/2 - 1 Mile South
Q423	WALOG1000777599	1/2 - 1 Mile South
Q424	WALOG1000777597	1/2 - 1 Mile South
Q425	WALOG1000777598	1/2 - 1 Mile South
Q426	WALOG1000785701	1/2 - 1 Mile South
Q427	WALOG1000785702	1/2 - 1 Mile South
Q428	WALOG1000780793	1/2 - 1 Mile South
Q429	WALOG1000777602	1/2 - 1 Mile South
Q430	WALOG1000780792	1/2 - 1 Mile South
Q431	WALOG1000772855	1/2 - 1 Mile South
Q432	WALOG1000772856	1/2 - 1 Mile South
Q433	WALOG1000772854	1/2 - 1 Mile South
Q434	WALOG1000772852	1/2 - 1 Mile South
Q435	WALOG1000772853	1/2 - 1 Mile South
Q436	WALOG1000777595	1/2 - 1 Mile South
Q437	WALOG1000777596	1/2 - 1 Mile South
Q438	WALOG1000772859	1/2 - 1 Mile South
Q439	WALOG1000772857	1/2 - 1 Mile South
Q440	WALOG1000772858	1/2 - 1 Mile South
R441	WALOG1000497268	1/2 - 1 Mile NNE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
R442	WALOG1000497269	1/2 - 1 Mile NNE
R443	WALOG1000497270	1/2 - 1 Mile NNE
R444	WALOG1000497267	1/2 - 1 Mile NNE
R445	WALOG1000497264	1/2 - 1 Mile NNE
R446	WALOG1000497265	1/2 - 1 Mile NNE
R447	WALOG1000497266	1/2 - 1 Mile NNE
R448	WALOG1000538587	1/2 - 1 Mile NNE
R449	WALOG1000538589	1/2 - 1 Mile NNE
R450	WALOG1000538585	1/2 - 1 Mile NNE
R451	WALOG1000538586	1/2 - 1 Mile NNE
S452	WALOG1000233618	1/2 - 1 Mile South
S453	WALOG1000233617	1/2 - 1 Mile South
S454	WALOG1000233616	1/2 - 1 Mile South
S455	WALOG1000233619	1/2 - 1 Mile South
S456	WALOG1000233622	1/2 - 1 Mile South
S457	WALOG1000233621	1/2 - 1 Mile South
S458	WALOG1000233620	1/2 - 1 Mile South
S459	WALOG1000233615	1/2 - 1 Mile South
S460	WALOG1000233610	1/2 - 1 Mile South
S461	WALOG1000233609	1/2 - 1 Mile South
S462	WALOG1000233608	1/2 - 1 Mile South
S463	WALOG1000233611	1/2 - 1 Mile South
S464	WALOG1000233614	1/2 - 1 Mile South
S465	WALOG1000233613	1/2 - 1 Mile South
S466	WALOG1000233612	1/2 - 1 Mile South
S467	WALOG1000233623	1/2 - 1 Mile South
S468	WALOG1000355901	1/2 - 1 Mile South
S469	WALOG1000355902	1/2 - 1 Mile South
S470	WALOG1000283996	1/2 - 1 Mile South
S471	WALOG1000355900	1/2 - 1 Mile South
S472	WALOG1000484056	1/2 - 1 Mile South
S473	WALOG1000627272	1/2 - 1 Mile South
S474	WALOG1000357874	1/2 - 1 Mile South
S475	WALOG1000357875	1/2 - 1 Mile South
S476	WALOG1000233626	1/2 - 1 Mile South
S477	WALOG1000233627	1/2 - 1 Mile South
S478	WALOG1000233624	1/2 - 1 Mile South
S479	WALOG1000233625	1/2 - 1 Mile South
S480	WALOG1000233676	1/2 - 1 Mile South
S481	WALOG1000283995	1/2 - 1 Mile South
S482	WALOG1000233674	1/2 - 1 Mile South
S483	WALOG1000233675	1/2 - 1 Mile South
T485	WALOG1000607869	1/2 - 1 Mile SW
T486	WALOG1000607870	1/2 - 1 Mile SW
T487	WALOG1000607868	1/2 - 1 Mile SW
T488	WALOG1000607866	1/2 - 1 Mile SW
T489	WALOG1000607867	1/2 - 1 Mile SW
T490	WALOG1000607874	1/2 - 1 Mile SW
T491	WALOG1000607875	1/2 - 1 Mile SW
T492	WALOG1000607873	1/2 - 1 Mile SW
T493	WALOG1000607871	1/2 - 1 Mile SW
T494	WALOG1000607872	1/2 - 1 Mile SW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
U495	WALOG1000808362	1/2 - 1 Mile SSE
U496	WALOG1000808361	1/2 - 1 Mile SSE
U497	WALOG1000808360	1/2 - 1 Mile SSE
U498	WALOG1000816211	1/2 - 1 Mile SSE
U499	WALOG1000816214	1/2 - 1 Mile SSE
U500	WALOG1000816215	1/2 - 1 Mile SSE
U501	WALOG1000816212	1/2 - 1 Mile SSE
U502	WALOG1000816213	1/2 - 1 Mile SSE
V505	WALOG1000688832	1/2 - 1 Mile East
V506	WALOG1000271808	1/2 - 1 Mile East
V507	WALOG1000688833	1/2 - 1 Mile East
V510	WA1100000018508	1/2 - 1 Mile East
X514	WALOG1000716922	1/2 - 1 Mile ESE
X515	WALOG1000657991	1/2 - 1 Mile ESE
X516	WALOG1000271806	1/2 - 1 Mile ESE
Y518	WALOG1000795417	1/2 - 1 Mile West
Y519	WALOG1000795416	1/2 - 1 Mile West
Y520	WALOG1000795419	1/2 - 1 Mile West
Y521	WALOG1000795418	1/2 - 1 Mile West
Y522	WALOG1000795415	1/2 - 1 Mile West
Y523	WALOG1000795367	1/2 - 1 Mile West
Y524	WALOG1000271809	1/2 - 1 Mile West
Y525	WALOG1000795414	1/2 - 1 Mile West
Y526	WALOG1000795368	1/2 - 1 Mile West
Y527	WALOG1000795420	1/2 - 1 Mile West
Y528	WALOG1000795427	1/2 - 1 Mile West
Y529	WALOG1000795428	1/2 - 1 Mile West
Y530	WALOG1000795429	1/2 - 1 Mile West
Y531	WALOG1000795424	1/2 - 1 Mile West
Y532	WALOG1000795421	1/2 - 1 Mile West
Y533	WALOG1000795422	1/2 - 1 Mile West
Y534	WALOG1000795423	1/2 - 1 Mile West
Z535	WALOG1000364224	1/2 - 1 Mile NE
Z536	WALOG1000364223	1/2 - 1 Mile NE
Z537	WALOG1000364222	1/2 - 1 Mile NE
Z538	WALOG1000364225	1/2 - 1 Mile NE
Z539	WALOG1000364227	1/2 - 1 Mile NE
Z540	WALOG1000364226	1/2 - 1 Mile NE
Z541	WALOG1000364228	1/2 - 1 Mile NE
Z542	WALOG1000104908	1/2 - 1 Mile NE
Z543	WALOG1000104907	1/2 - 1 Mile NE
Z544	WALOG1000104906	1/2 - 1 Mile NE
Z545	WALOG1000176521	1/2 - 1 Mile NE
Z546	WALOG1000348682	1/2 - 1 Mile NE
Z547	WALOG1000348681	1/2 - 1 Mile NE
Z548	WALOG1000176522	1/2 - 1 Mile NE
Z549	WALOG1000623038	1/2 - 1 Mile NE
Z550	WALOG1000613435	1/2 - 1 Mile NE
Z551	WALOG1000623065	1/2 - 1 Mile NE
Z552	WALOG1000721359	1/2 - 1 Mile NE
Z553	WALOG1000721346	1/2 - 1 Mile NE
Z554	WALOG1000613434	1/2 - 1 Mile NE

STATE DATABASE WELL INFORMATION

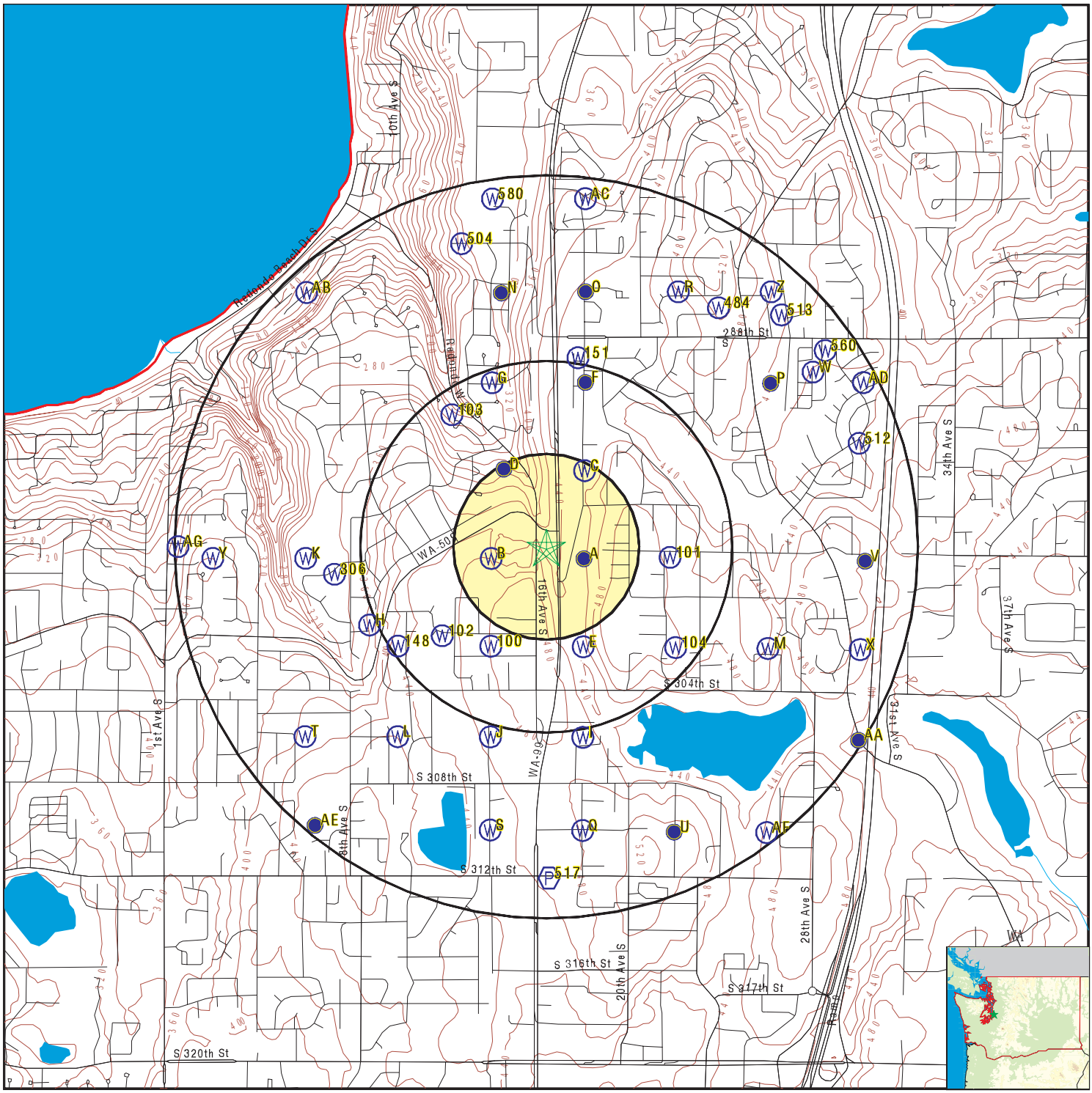
MAP ID	WELL ID	LOCATION FROM TP
Z555	WALOG1000512206	1/2 - 1 Mile NE
Z556	WALOG1000512205	1/2 - 1 Mile NE
Z557	WALOG1000538588	1/2 - 1 Mile NE
Z558	WALOG1000613433	1/2 - 1 Mile NE
Z559	WALOG1000613432	1/2 - 1 Mile NE
AB562	WALOG1000681188	1/2 - 1 Mile NW
AB563	WALOG1000736109	1/2 - 1 Mile NW
AB564	WALOG1000681185	1/2 - 1 Mile NW
AB565	WALOG1000681186	1/2 - 1 Mile NW
AB566	WALOG1000681187	1/2 - 1 Mile NW
AB567	WALOG1000736110	1/2 - 1 Mile NW
AB568	WALOG1000736112	1/2 - 1 Mile NW
AB569	WALOG1000736111	1/2 - 1 Mile NW
AC570	WALOG1000328110	1/2 - 1 Mile North
AC571	WALOG1000328111	1/2 - 1 Mile North
AC572	WALOG1000328112	1/2 - 1 Mile North
AC573	WALOG1000328107	1/2 - 1 Mile North
AC574	WALOG1000328108	1/2 - 1 Mile North
AC575	WALOG1000328109	1/2 - 1 Mile North
AC576	WALOG1000573738	1/2 - 1 Mile North
AC577	WALOG1000573741	1/2 - 1 Mile North
AC578	WALOG1000573740	1/2 - 1 Mile North
AC579	WALOG1000573739	1/2 - 1 Mile North
580	WALOG1000096759	1/2 - 1 Mile North
AD581	WALOG1000718759	1/2 - 1 Mile ENE
AD582	WALOG1000716902	1/2 - 1 Mile ENE
AD583	WALOG1000581330	1/2 - 1 Mile ENE
AD584	WALOG1000718760	1/2 - 1 Mile ENE
AE585	WA1100000018529	1/2 - 1 Mile SW
AF586	WALOG1000246028	1/2 - 1 Mile SE
AF587	WALOG1000246029	1/2 - 1 Mile SE
AF588	WALOG1000094687	1/2 - 1 Mile SE
AF589	WALOG1000100317	1/2 - 1 Mile SE
AF590	WALOG1000246030	1/2 - 1 Mile SE
AF591	WALOG1000246034	1/2 - 1 Mile SE
AF592	WALOG1000246035	1/2 - 1 Mile SE
AF593	WALOG1000246033	1/2 - 1 Mile SE
AF594	WALOG1000246031	1/2 - 1 Mile SE
AF595	WALOG1000246032	1/2 - 1 Mile SE
AA599	WALOG1000688698	1/2 - 1 Mile ESE
AA600	WALOG1000688655	1/2 - 1 Mile ESE
AA601	WALOG1000688653	1/2 - 1 Mile ESE
AA602	WALOG1000803114	1/2 - 1 Mile ESE
AA603	WALOG1000803113	1/2 - 1 Mile ESE
AA604	WALOG1000716934	1/2 - 1 Mile ESE
AA605	WALOG1000269441	1/2 - 1 Mile ESE
AA606	WALOG1000246026	1/2 - 1 Mile ESE
AA607	WALOG1000102261	1/2 - 1 Mile ESE
AA608	WALOG1000688652	1/2 - 1 Mile ESE
AA609	WALOG1000581329	1/2 - 1 Mile ESE
AA610	WALOG1000269442	1/2 - 1 Mile ESE
AA611	WALOG1000803115	1/2 - 1 Mile ESE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
AA612	WALOG1000815262	1/2 - 1 Mile ESE
AA613	WALOG1000806560	1/2 - 1 Mile ESE
AA614	WALOG1000806559	1/2 - 1 Mile ESE
AA615	WALOG1000816355	1/2 - 1 Mile ESE
AA616	WALOG1000815268	1/2 - 1 Mile ESE
AA617	WALOG1000815263	1/2 - 1 Mile ESE
AA618	WALOG1000806539	1/2 - 1 Mile ESE
AA619	WALOG1000803117	1/2 - 1 Mile ESE
AA620	WALOG1000803116	1/2 - 1 Mile ESE
AA621	WALOG1000806553	1/2 - 1 Mile ESE
AA622	WALOG1000806543	1/2 - 1 Mile ESE
AA623	WALOG1000806540	1/2 - 1 Mile ESE

PHYSICAL SETTING SOURCE MAP - 6082624.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: CF Federal Way LLC	CLIENT: TGE Resources, Inc.
ADDRESS: 29805 Pacific Hwy S FEDERAL WAY WA 98003	CONTACT: Gwen Younts
LAT/LONG: 47.335234 / 122.312776	INQUIRY #: 6082624.2s DATE: June 04, 2020 1:34 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
A1	**FED USGS**	**USGS40001255146**
ESE		
0 - 1/8 Mile		
Higher		

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	21N/04E-04M01	Type:	Well
Description:	Not Reported	HUC:	17110019
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19010101
Well Depth:	55	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1960-09-29
Feet below surface:	51	Feet to sea level:	Not Reported
Note:	Not Reported		

A2	**WA WELLS**	**WALOG1000000983**
ESE		
0 - 1/8 Mile		
Higher		

Database:	Ecology Well Logs	Well Log ID:	1763153
Well Tag:	Not Reported	Project Tag:	B4
Notice of Intent #:	AE50313	Date Received:	06-SEP-18
Diameter:	2.25	Casing Depth:	6
Well Completion:	14-AUG-18	Well Owner:	Niklexi Llc
Well Type:	Decommisioning	Driller #:	3216
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

A3	**WA WELLS**	**WALOG1000000982**
ESE		
0 - 1/8 Mile		
Higher		

Database:	Ecology Well Logs	Well Log ID:	1763152
Well Tag:	Not Reported	Project Tag:	B6
Notice of Intent #:	SE67015	Date Received:	06-SEP-18
Diameter:	2.25	Casing Depth:	6
Well Completion:	14-AUG-18	Well Owner:	Niklexi Llc
Well Type:	Resource Protection	Driller #:	3216
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
A4 **ESE** **0 - 1/8 Mile** **Higher**	**WA WELLS**	**WALOG1000001028**

Database:	Ecology Well Logs	Well Log ID:	1763198
Well Tag:	Not Reported	Project Tag:	B2
Notice of Intent #:	SE67015	Date Received:	06-SEP-18
Diameter:	2.25	Casing Depth:	8
Well Completion:	14-AUG-18	Well Owner:	Niklexi Llc
Well Type:	Resource Protection	Driller #:	3216
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

A5 **ESE** **0 - 1/8 Mile** **Higher**	**WA WELLS**	**WALOG1000000984**

Database:	Ecology Well Logs	Well Log ID:	1763154
Well Tag:	Not Reported	Project Tag:	B6
Notice of Intent #:	AE50313	Date Received:	06-SEP-18
Diameter:	2.25	Casing Depth:	6
Well Completion:	14-AUG-18	Well Owner:	Niklexi Llc
Well Type:	Decommisioning	Driller #:	3216
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

A6 **ESE** **0 - 1/8 Mile** **Higher**	**WA WELLS**	**WALOG1000000979**

Database:	Ecology Well Logs	Well Log ID:	1763149
Well Tag:	Not Reported	Project Tag:	SV-3
Notice of Intent #:	AE50313	Date Received:	06-SEP-18
Diameter:	1.5	Casing Depth:	5
Well Completion:	15-AUG-18	Well Owner:	Niklexi Llc
Well Type:	Decommisioning	Driller #:	3216
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

A7 **ESE** **0 - 1/8 Mile** **Higher**	**WA WELLS**	**WALOG1000000978**

Database:	Ecology Well Logs	Well Log ID:	1763148
Well Tag:	Not Reported	Project Tag:	SV-2
Notice of Intent #:	AE50313	Date Received:	06-SEP-18
Diameter:	1.5	Casing Depth:	5

Well Completion:	15-AUG-18	Well Owner:	Niklexi Llc
Well Type:	Decommisioning	Driller #:	3216
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

A8
ESE
0 - 1/8 Mile
Higher

WA WELLS **WALOG1000000981**

Database:	Ecology Well Logs	Well Log ID:	1763151
Well Tag:	Not Reported	Project Tag:	B4
Notice of Intent #:	SE67015	Date Received:	06-SEP-18
Diameter:	2.25	Casing Depth:	6
Well Completion:	14-AUG-18	Well Owner:	Niklexi Llc
Well Type:	Resource Protection	Driller #:	3216
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

A9
ESE
0 - 1/8 Mile
Higher

WA WELLS **WALOG1000000980**

Database:	Ecology Well Logs	Well Log ID:	1763150
Well Tag:	Not Reported	Project Tag:	SV-4
Notice of Intent #:	AE50313	Date Received:	06-SEP-18
Diameter:	1.5	Casing Depth:	5
Well Completion:	15-AUG-18	Well Owner:	Niklexi Llc
Well Type:	Decommisioning	Driller #:	3216
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

A10
ESE
0 - 1/8 Mile
Higher

WA WELLS **WALOG1000429571**

Database:	Ecology Well Logs	Well Log ID:	555027
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE02949	Date Received:	14-OCT-08
Diameter:	2.3	Casing Depth:	11
Well Completion:	20-AUG-08	Well Owner:	City Of Federal Way
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database | EDR ID Number

A11
ESE
0 - 1/8 Mile
Higher

WA WELLS **WALOG1000429570**

Database:	Ecology Well Logs	Well Log ID:	555026
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE02949	Date Received:	14-OCT-08
Diameter:	2.3	Casing Depth:	11.5
Well Completion:	20-AUG-08	Well Owner:	City Of Federal Way
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

A12
ESE
0 - 1/8 Mile
Higher

WA WELLS **WALOG1000429572**

Database:	Ecology Well Logs	Well Log ID:	555029
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE02949	Date Received:	14-OCT-08
Diameter:	2.3	Casing Depth:	11
Well Completion:	20-AUG-08	Well Owner:	City Of Federal Way
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

A13
ESE
0 - 1/8 Mile
Higher

WA WELLS **WALOG1000626797**

Database:	Ecology Well Logs	Well Log ID:	925553
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE51111	Date Received:	15-MAY-14
Diameter:	8	Casing Depth:	20
Well Completion:	15-APR-14	Well Owner:	Msc Federal Way
Well Type:	Resource Protection	Driller #:	3143
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

A14
ESE
0 - 1/8 Mile
Higher

WA WELLS **WALOG1000001030**

Database:	Ecology Well Logs	Well Log ID:	1763200
Well Tag:	Not Reported	Project Tag:	B8
Notice of Intent #:	SE67015	Date Received:	06-SEP-18
Diameter:	2.25	Casing Depth:	7

Well Completion:	14-AUG-18	Well Owner:	Niklexi Llc
Well Type:	Resource Protection	Driller #:	3216
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

A15
ESE
0 - 1/8 Mile
Higher

WA WELLS **WALOG1000001029**

Database:	Ecology Well Logs	Well Log ID:	1763199
Well Tag:	Not Reported	Project Tag:	B2
Notice of Intent #:	AE50313	Date Received:	06-SEP-18
Diameter:	2.25	Casing Depth:	8
Well Completion:	14-AUG-18	Well Owner:	Niklexi Llc
Well Type:	Decommisioning	Driller #:	3216
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

A16
ESE
0 - 1/8 Mile
Higher

WA WELLS **WALOG1000429569**

Database:	Ecology Well Logs	Well Log ID:	555025
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE02949	Date Received:	14-OCT-08
Diameter:	2.3	Casing Depth:	18
Well Completion:	20-AUG-08	Well Owner:	City Of Federal Way
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

A17
ESE
0 - 1/8 Mile
Higher

WA WELLS **WALOG1000001031**

Database:	Ecology Well Logs	Well Log ID:	1763201
Well Tag:	Not Reported	Project Tag:	B8
Notice of Intent #:	AE50313	Date Received:	06-SEP-18
Diameter:	2.25	Casing Depth:	7
Well Completion:	14-AUG-18	Well Owner:	Niklexi Llc
Well Type:	Decommisioning	Driller #:	3216
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
A18 **ESE** **0 - 1/8 Mile** **Higher**	**WA WELLS**	**WALOG1000000977**

Database:	Ecology Well Logs	Well Log ID:	1763147
Well Tag:	Not Reported	Project Tag:	SV-1
Notice of Intent #:	AE50313	Date Received:	06-SEP-18
Diameter:	1.5	Casing Depth:	5
Well Completion:	15-AUG-18	Well Owner:	Niklexi Llc
Well Type:	Decommisioning	Driller #:	3216
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
A19 **ESE** **0 - 1/8 Mile** **Higher**	**WA WELLS**	**WALOG1000000918**

Database:	Ecology Well Logs	Well Log ID:	1763088
Well Tag:	Not Reported	Project Tag:	B-1
Notice of Intent #:	AE50313	Date Received:	06-SEP-18
Diameter:	2.25	Casing Depth:	9
Well Completion:	14-AUG-18	Well Owner:	Niklexi Llc
Well Type:	Decommisioning	Driller #:	3216
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
A20 **ESE** **0 - 1/8 Mile** **Higher**	**WA WELLS**	**WALOG1000000917**

Database:	Ecology Well Logs	Well Log ID:	1763087
Well Tag:	Not Reported	Project Tag:	B7
Notice of Intent #:	SE67015	Date Received:	06-SEP-18
Diameter:	2.25	Casing Depth:	9
Well Completion:	14-AUG-18	Well Owner:	Niklexi Llc
Well Type:	Resource Protection	Driller #:	3216
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
A21 **ESE** **0 - 1/8 Mile** **Higher**	**WA WELLS**	**WALOG1000000920**

Database:	Ecology Well Logs	Well Log ID:	1763090
Well Tag:	Not Reported	Project Tag:	B7
Notice of Intent #:	AE50313	Date Received:	06-SEP-18
Diameter:	2.25	Casing Depth:	9

Well Completion:	14-AUG-18	Well Owner:	Niklexi Llc
Well Type:	Decommisioning	Driller #:	3216
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

A22
ESE
0 - 1/8 Mile
Higher

WA WELLS **WALOG1000000919**

Database:	Ecology Well Logs	Well Log ID:	1763089
Well Tag:	Not Reported	Project Tag:	B5
Notice of Intent #:	AE50313	Date Received:	06-SEP-18
Diameter:	2.25	Casing Depth:	9
Well Completion:	14-AUG-18	Well Owner:	Niklexi Llc
Well Type:	Decommisioning	Driller #:	3216
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

A23
ESE
0 - 1/8 Mile
Higher

WA WELLS **WALOG1000000911**

Database:	Ecology Well Logs	Well Log ID:	1763081
Well Tag:	Not Reported	Project Tag:	B-3
Notice of Intent #:	SE67015	Date Received:	06-SEP-18
Diameter:	2.25	Casing Depth:	10
Well Completion:	14-AUG-18	Well Owner:	Niklexi Llc
Well Type:	Resource Protection	Driller #:	3216
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

A24
ESE
0 - 1/8 Mile
Higher

WA WELLS **WALOG1000000912**

Database:	Ecology Well Logs	Well Log ID:	1763082
Well Tag:	Not Reported	Project Tag:	B-3
Notice of Intent #:	AE50313	Date Received:	06-SEP-18
Diameter:	2.25	Casing Depth:	10
Well Completion:	14-AUG-18	Well Owner:	Niklexi Llc
Well Type:	Decommisioning	Driller #:	3216
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database | EDR ID Number

A25
ESE
0 - 1/8 Mile
Higher

WA WELLS **WALOG1000000916**

Database:	Ecology Well Logs	Well Log ID:	1763086
Well Tag:	Not Reported	Project Tag:	B5
Notice of Intent #:	SE67015	Date Received:	06-SEP-18
Diameter:	2.25	Casing Depth:	9
Well Completion:	14-AUG-18	Well Owner:	Niklexi Llc
Well Type:	Resource Protection	Driller #:	3216
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

A26
ESE
0 - 1/8 Mile
Higher

WA WELLS **WALOG1000000915**

Database:	Ecology Well Logs	Well Log ID:	1763085
Well Tag:	Not Reported	Project Tag:	B-1
Notice of Intent #:	SE67015	Date Received:	06-SEP-18
Diameter:	2.25	Casing Depth:	9
Well Completion:	14-AUG-18	Well Owner:	Niklexi Llc
Well Type:	Resource Protection	Driller #:	3216
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

A27
ESE
0 - 1/8 Mile
Higher

WA WELLS **WALOG1000000974**

Database:	Ecology Well Logs	Well Log ID:	1763144
Well Tag:	Not Reported	Project Tag:	SV-2
Notice of Intent #:	SE67015	Date Received:	06-SEP-18
Diameter:	1.5	Casing Depth:	5
Well Completion:	15-AUG-18	Well Owner:	Niklexi Llc
Well Type:	Resource Protection	Driller #:	3216
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

A28
ESE
0 - 1/8 Mile
Higher

WA WELLS **WALOG1000000973**

Database:	Ecology Well Logs	Well Log ID:	1763143
Well Tag:	Not Reported	Project Tag:	SV-1
Notice of Intent #:	SE67015	Date Received:	06-SEP-18
Diameter:	1.5	Casing Depth:	5

Well Completion:	15-AUG-18	Well Owner:	Niklexi Llc
Well Type:	Resource Protection	Driller #:	3216
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

A29
ESE
0 - 1/8 Mile
Higher

WA WELLS **WALOG1000000976**

Database:	Ecology Well Logs	Well Log ID:	1763146
Well Tag:	Not Reported	Project Tag:	SV-4
Notice of Intent #:	SE67015	Date Received:	06-SEP-18
Diameter:	1.5	Casing Depth:	5
Well Completion:	15-AUG-18	Well Owner:	Niklexi Llc
Well Type:	Resource Protection	Driller #:	3216
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

A30
ESE
0 - 1/8 Mile
Higher

WA WELLS **WALOG1000000975**

Database:	Ecology Well Logs	Well Log ID:	1763145
Well Tag:	Not Reported	Project Tag:	SV-3
Notice of Intent #:	SE67015	Date Received:	06-SEP-18
Diameter:	1.5	Casing Depth:	5
Well Completion:	15-AUG-18	Well Owner:	Niklexi Llc
Well Type:	Resource Protection	Driller #:	3216
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

A31
ESE
0 - 1/8 Mile
Higher

WA WELLS **WALOG1000000970**

Database:	Ecology Well Logs	Well Log ID:	1763140
Well Tag:	Not Reported	Project Tag:	B10
Notice of Intent #:	SE67015	Date Received:	06-SEP-18
Diameter:	2.25	Casing Depth:	20
Well Completion:	15-AUG-18	Well Owner:	Niklexi Llc
Well Type:	Resource Protection	Driller #:	3216
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
A32 **ESE** **0 - 1/8 Mile** **Higher**	**WA WELLS**	**WALOG1000000969**

Database:	Ecology Well Logs	Well Log ID:	1763139
Well Tag:	Not Reported	Project Tag:	B9
Notice of Intent #:	SE67015	Date Received:	06-SEP-18
Diameter:	2.25	Casing Depth:	20
Well Completion:	15-AUG-18	Well Owner:	Niklexi Llc
Well Type:	Resource Protection	Driller #:	3216
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
A33 **ESE** **0 - 1/8 Mile** **Higher**	**WA WELLS**	**WALOG1000000972**

Database:	Ecology Well Logs	Well Log ID:	1763142
Well Tag:	Not Reported	Project Tag:	B10
Notice of Intent #:	AE50313	Date Received:	06-SEP-18
Diameter:	2.25	Casing Depth:	20
Well Completion:	15-AUG-18	Well Owner:	Niklexi Llc
Well Type:	Decommisioning	Driller #:	3216
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
A34 **ESE** **0 - 1/8 Mile** **Higher**	**WA WELLS**	**WALOG1000000971**

Database:	Ecology Well Logs	Well Log ID:	1763141
Well Tag:	Not Reported	Project Tag:	B9
Notice of Intent #:	AE50313	Date Received:	06-SEP-18
Diameter:	2.25	Casing Depth:	20
Well Completion:	15-AUG-18	Well Owner:	Niklexi Llc
Well Type:	Decommisioning	Driller #:	3216
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
A35 **ESE** **0 - 1/8 Mile** **Higher**	**WA WELLS**	**WALOG1000626798**

Database:	Ecology Well Logs	Well Log ID:	925554
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE26361	Date Received:	15-MAY-14
Diameter:	8	Casing Depth:	20

Well Completion:	15-APR-14	Well Owner:	Msc Federal Way
Well Type:	Decommisioning	Driller #:	3143
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

A36
ESE
0 - 1/8 Mile
Higher

WA WELLS **WALOG1000803954**

Database:	Ecology Well Logs	Well Log ID:	1639209
Well Tag:	Not Reported	Project Tag:	B-5
Notice of Intent #:	AE45030	Date Received:	13-SEP-17
Diameter:	8	Casing Depth:	11.5
Well Completion:	08-SEP-17	Well Owner:	Niklexi Llc
Well Type:	Decommisioning	Driller #:	3208
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

A37
ESE
0 - 1/8 Mile
Higher

WA WELLS **WALOG1000813205**

Database:	Ecology Well Logs	Well Log ID:	1703276
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE44949	Date Received:	15-SEP-17
Diameter:	2.25	Casing Depth:	14
Well Completion:	24-AUG-17	Well Owner:	Niklexi Llc
Well Type:	Decommisioning	Driller #:	2549
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

A38
ESE
0 - 1/8 Mile
Higher

WA WELLS **WALOG1000813228**

Database:	Ecology Well Logs	Well Log ID:	1703300
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE44949	Date Received:	15-SEP-17
Diameter:	2.25	Casing Depth:	15
Well Completion:	24-AUG-17	Well Owner:	Niklexi Llc
Well Type:	Decommisioning	Driller #:	2549
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
A39 **ESE** **0 - 1/8 Mile** **Higher**	**WA WELLS**	**WALOG1000803953**

Database:	Ecology Well Logs	Well Log ID:	1639208
Well Tag:	Not Reported	Project Tag:	B-5
Notice of Intent #:	SE63417	Date Received:	13-SEP-17
Diameter:	8	Casing Depth:	11.5
Well Completion:	08-SEP-17	Well Owner:	Niklexi Llc
Well Type:	Resource Protection	Driller #:	3208
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
A40 **ESE** **0 - 1/8 Mile** **Higher**	**WA WELLS**	**WALOG1000792943**

Database:	Ecology Well Logs	Well Log ID:	1703334
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE63364	Date Received:	15-SEP-17
Diameter:	2.25	Casing Depth:	15
Well Completion:	24-AUG-17	Well Owner:	Niklexi Llc
Well Type:	Resource Protection	Driller #:	2549
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
A41 **ESE** **0 - 1/8 Mile** **Higher**	**WA WELLS**	**WALOG1000803951**

Database:	Ecology Well Logs	Well Log ID:	1639206
Well Tag:	Not Reported	Project Tag:	B-4
Notice of Intent #:	SE63417	Date Received:	13-SEP-17
Diameter:	8	Casing Depth:	21.5
Well Completion:	08-SEP-17	Well Owner:	Niklexi Llc
Well Type:	Resource Protection	Driller #:	3208
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
A42 **ESE** **0 - 1/8 Mile** **Higher**	**WA WELLS**	**WALOG1000803952**

Database:	Ecology Well Logs	Well Log ID:	1639207
Well Tag:	Not Reported	Project Tag:	B-4
Notice of Intent #:	AE45030	Date Received:	13-SEP-17
Diameter:	8	Casing Depth:	21.5

Well Completion:	08-SEP-17	Well Owner:	Niklexi Llc
Well Type:	Decommisioning	Driller #:	3208
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

A43
ESE
0 - 1/8 Mile
Higher

WA WELLS **WALOG1000813239**

Database:	Ecology Well Logs	Well Log ID:	1703311
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE63364	Date Received:	15-SEP-17
Diameter:	2.25	Casing Depth:	14
Well Completion:	24-AUG-17	Well Owner:	Niklexi Llc
Well Type:	Resource Protection	Driller #:	2549
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

A44
ESE
0 - 1/8 Mile
Higher

WA WELLS **WALOG1000813284**

Database:	Ecology Well Logs	Well Log ID:	1703370
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE44949	Date Received:	15-SEP-17
Diameter:	2.25	Casing Depth:	18
Well Completion:	24-AUG-17	Well Owner:	Niklexi Llc
Well Type:	Decommisioning	Driller #:	2549
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

A45
ESE
0 - 1/8 Mile
Higher

WA WELLS **WALOG1000813289**

Database:	Ecology Well Logs	Well Log ID:	1703375
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE44792	Date Received:	15-SEP-17
Diameter:	2.25	Casing Depth:	8
Well Completion:	24-AUG-17	Well Owner:	Niklexi Llc
Well Type:	Decommisioning	Driller #:	2549
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A46
ESE
0 - 1/8 Mile
Higher

WA WELLS **WALOG1000813293**

Database:	Ecology Well Logs	Well Log ID:	1703381
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE63364	Date Received:	15-SEP-17
Diameter:	2.25	Casing Depth:	12
Well Completion:	24-AUG-17	Well Owner:	Niklexi Llc
Well Type:	Resource Protection	Driller #:	2549
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

A47
ESE
0 - 1/8 Mile
Higher

WA WELLS **WALOG1000813262**

Database:	Ecology Well Logs	Well Log ID:	1703348
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE44949	Date Received:	15-SEP-17
Diameter:	2.25	Casing Depth:	12
Well Completion:	24-AUG-17	Well Owner:	Niklexi Llc
Well Type:	Decommisioning	Driller #:	2549
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

A48
ESE
0 - 1/8 Mile
Higher

WA WELLS **WALOG1000813242**

Database:	Ecology Well Logs	Well Log ID:	1703314
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE44949	Date Received:	15-SEP-17
Diameter:	2.25	Casing Depth:	20
Well Completion:	24-AUG-17	Well Owner:	Niklexi Llc
Well Type:	Decommisioning	Driller #:	2549
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

A49
ESE
0 - 1/8 Mile
Higher

WA WELLS **WALOG1000813255**

Database:	Ecology Well Logs	Well Log ID:	1703341
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE44792	Date Received:	15-SEP-17
Diameter:	2.25	Casing Depth:	8

Well Completion:	24-AUG-17	Well Owner:	Niklexi Llc
Well Type:	Decommisioning	Driller #:	2549
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

A50
ESE
0 - 1/8 Mile
Higher

WA WELLS **WALOG1000813259**

Database:	Ecology Well Logs	Well Log ID:	1703345
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE63250	Date Received:	15-SEP-17
Diameter:	2.25	Casing Depth:	8
Well Completion:	24-AUG-17	Well Owner:	Niklexi Llc - Niklexi Llc
Well Type:	Resource Protection	Driller #:	2549
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

A51
ESE
0 - 1/8 Mile
Higher

WA WELLS **WALOG1000792941**

Database:	Ecology Well Logs	Well Log ID:	1703332
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE63364	Date Received:	15-SEP-17
Diameter:	2.25	Casing Depth:	18
Well Completion:	24-AUG-17	Well Owner:	Niklexi Llc
Well Type:	Resource Protection	Driller #:	2549
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

A52
ESE
0 - 1/8 Mile
Higher

WA WELLS **WALOG1000626898**

Database:	Ecology Well Logs	Well Log ID:	925656
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE51111	Date Received:	15-MAY-14
Diameter:	8	Casing Depth:	20
Well Completion:	15-APR-14	Well Owner:	Msc Federal Way
Well Type:	Resource Protection	Driller #:	3143
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A53
ESE
0 - 1/8 Mile
Higher

WA WELLS **WALOG1000626912**

Database:	Ecology Well Logs	Well Log ID:	925670
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE26361	Date Received:	15-MAY-14
Diameter:	8	Casing Depth:	20
Well Completion:	15-APR-14	Well Owner:	Msc Federal Way
Well Type:	Decommisioning	Driller #:	3143
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

A54
ESE
0 - 1/8 Mile
Higher

WA WELLS **WALOG1000781762**

Database:	Ecology Well Logs	Well Log ID:	1704234
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE63250	Date Received:	15-SEP-17
Diameter:	2.25	Casing Depth:	8
Well Completion:	24-AUG-17	Well Owner:	Niklexi Llc - Niklexi Llc
Well Type:	Resource Protection	Driller #:	2549
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

A55
ESE
0 - 1/8 Mile
Higher

WA WELLS **WALOG1000626886**

Database:	Ecology Well Logs	Well Log ID:	925643
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE51111	Date Received:	15-MAY-14
Diameter:	8	Casing Depth:	20
Well Completion:	15-APR-14	Well Owner:	Msc Federal Way
Well Type:	Resource Protection	Driller #:	3143
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

A56
ESE
0 - 1/8 Mile
Higher

WA WELLS **WALOG1000626822**

Database:	Ecology Well Logs	Well Log ID:	925578
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE51111	Date Received:	15-MAY-14
Diameter:	8	Casing Depth:	20

Well Completion:	15-APR-14	Well Owner:	Msc Federal Way
Well Type:	Resource Protection	Driller #:	3143
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

A57
ESE
0 - 1/8 Mile
Higher

WA WELLS **WALOG1000626823**

Database:	Ecology Well Logs	Well Log ID:	925579
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE26361	Date Received:	15-MAY-14
Diameter:	8	Casing Depth:	20
Well Completion:	15-APR-14	Well Owner:	Msc Federal Way
Well Type:	Decommisioning	Driller #:	3143
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

A58
ESE
0 - 1/8 Mile
Higher

WA WELLS **WALOG1000626857**

Database:	Ecology Well Logs	Well Log ID:	925614
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE26361	Date Received:	15-MAY-14
Diameter:	8	Casing Depth:	20
Well Completion:	15-APR-14	Well Owner:	Msc Federal Way
Well Type:	Decommisioning	Driller #:	3143
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

A59
ESE
0 - 1/8 Mile
Higher

WA WELLS **WALOG1000786054**

Database:	Ecology Well Logs	Well Log ID:	1639222
Well Tag:	Not Reported	Project Tag:	B-3
Notice of Intent #:	SE63417	Date Received:	13-SEP-17
Diameter:	8	Casing Depth:	21.5
Well Completion:	08-SEP-17	Well Owner:	Niklexi Llc
Well Type:	Resource Protection	Driller #:	3208
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
A60 **ESE** **0 - 1/8 Mile** **Higher**	**WA WELLS**	**WALOG1000786059**

Database:	Ecology Well Logs	Well Log ID:	1639227
Well Tag:	Not Reported	Project Tag:	B-6
Notice of Intent #:	AE45030	Date Received:	13-SEP-17
Diameter:	8	Casing Depth:	11
Well Completion:	08-SEP-17	Well Owner:	Niklexi Llc
Well Type:	Decommisioning	Driller #:	3208
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
A61 **ESE** **0 - 1/8 Mile** **Higher**	**WA WELLS**	**WALOG1000786060**

Database:	Ecology Well Logs	Well Log ID:	1639228
Well Tag:	Not Reported	Project Tag:	B-2
Notice of Intent #:	SE63417	Date Received:	13-SEP-17
Diameter:	8	Casing Depth:	11.5
Well Completion:	08-SEP-17	Well Owner:	Niklexi Llc
Well Type:	Resource Protection	Driller #:	3208
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
A62 **ESE** **0 - 1/8 Mile** **Higher**	**WA WELLS**	**WALOG1000786061**

Database:	Ecology Well Logs	Well Log ID:	1639229
Well Tag:	Not Reported	Project Tag:	B-2
Notice of Intent #:	AE45030	Date Received:	13-SEP-17
Diameter:	8	Casing Depth:	11.5
Well Completion:	08-SEP-17	Well Owner:	Niklexi Llc
Well Type:	Decommisioning	Driller #:	3208
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
A63 **ESE** **0 - 1/8 Mile** **Higher**	**WA WELLS**	**WALOG1000786058**

Database:	Ecology Well Logs	Well Log ID:	1639226
Well Tag:	Not Reported	Project Tag:	B-6
Notice of Intent #:	SE63417	Date Received:	13-SEP-17
Diameter:	8	Casing Depth:	11

Well Completion:	08-SEP-17	Well Owner:	Niklexi Llc
Well Type:	Resource Protection	Driller #:	3208
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

A64
ESE
0 - 1/8 Mile
Higher

WA WELLS **WALOG1000786055**

Database:	Ecology Well Logs	Well Log ID:	1639223
Well Tag:	Not Reported	Project Tag:	B-3
Notice of Intent #:	AE45030	Date Received:	13-SEP-17
Diameter:	8	Casing Depth:	21.5
Well Completion:	08-SEP-17	Well Owner:	Niklexi Llc
Well Type:	Decommisioning	Driller #:	3208
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

A65
ESE
0 - 1/8 Mile
Higher

WA WELLS **WALOG1000786056**

Database:	Ecology Well Logs	Well Log ID:	1639224
Well Tag:	Not Reported	Project Tag:	B-1
Notice of Intent #:	SE63417	Date Received:	13-SEP-17
Diameter:	8	Casing Depth:	11.5
Well Completion:	08-SEP-17	Well Owner:	Niklexi Llc
Well Type:	Resource Protection	Driller #:	3208
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

A66
ESE
0 - 1/8 Mile
Higher

WA WELLS **WALOG1000786057**

Database:	Ecology Well Logs	Well Log ID:	1639225
Well Tag:	Not Reported	Project Tag:	B-1
Notice of Intent #:	AE45030	Date Received:	13-SEP-17
Diameter:	8	Casing Depth:	11.5
Well Completion:	08-SEP-17	Well Owner:	Niklexi Llc
Well Type:	Decommisioning	Driller #:	3208
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

B67
WSW
1/8 - 1/4 Mile
Higher

WA WELLS **WALOG1000709108**

Database:	Ecology Well Logs	Well Log ID:	1538240
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE57629	Date Received:	23-MAR-16
Diameter:	5	Casing Depth:	60
Well Completion:	08-MAR-16	Well Owner:	City Of Everett
Well Type:	Resource Protection	Driller #:	3201
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

B68
WSW
1/8 - 1/4 Mile
Higher

WA WELLS **WALOG1000741150**

Database:	Ecology Well Logs	Well Log ID:	1597115
Well Tag:	Not Reported	Project Tag:	B1
Notice of Intent #:	SE60046	Date Received:	22-NOV-16
Diameter:	8	Casing Depth:	31.5
Well Completion:	26-OCT-16	Well Owner:	Spadoni
Well Type:	Resource Protection	Driller #:	3208
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

B69
WSW
1/8 - 1/4 Mile
Higher

WA WELLS **WALOG1000709109**

Database:	Ecology Well Logs	Well Log ID:	1538241
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE36308	Date Received:	23-MAR-16
Diameter:	5	Casing Depth:	60
Well Completion:	08-MAR-16	Well Owner:	City Of Everett
Well Type:	Decommisioning	Driller #:	3201
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

B70
WSW
1/8 - 1/4 Mile
Higher

WA WELLS **WALOG1000100248**

Database:	Ecology Well Logs	Well Log ID:	103257
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	075381	Date Received:	01-NOV-90
Diameter:	0	Casing Depth:	0

Well Completion:	26-NOV-90	Well Owner:	Exxon
Well Type:	Water	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

B71
WSW
1/8 - 1/4 Mile
Higher

WA WELLS **WALOG1000689268**

Database:	Ecology Well Logs	Well Log ID:	1066462
Well Tag:	Not Reported	Project Tag:	ST FWLE C15
Notice of Intent #:	SE55554	Date Received:	22-OCT-15
Diameter:	9	Casing Depth:	21
Well Completion:	21-AUG-15	Well Owner:	City Of Federal Way Public Works
Well Type:	Resource Protection	Driller #:	2769
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

B72
WSW
1/8 - 1/4 Mile
Higher

WA WELLS **WALOG1000689269**

Database:	Ecology Well Logs	Well Log ID:	1066463
Well Tag:	Not Reported	Project Tag:	ST FWLE C15
Notice of Intent #:	AE33243	Date Received:	22-OCT-15
Diameter:	9	Casing Depth:	21
Well Completion:	21-AUG-15	Well Owner:	City Of Federal Way Public Works
Well Type:	Decommisioning	Driller #:	2769
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

B73
WSW
1/8 - 1/4 Mile
Higher

WA WELLS **WALOG1000741151**

Database:	Ecology Well Logs	Well Log ID:	1597116
Well Tag:	Not Reported	Project Tag:	B1
Notice of Intent #:	AE39998	Date Received:	22-NOV-16
Diameter:	8	Casing Depth:	31.5
Well Completion:	26-OCT-16	Well Owner:	Spadoni
Well Type:	Decommisioning	Driller #:	3208
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
B74 **WSW** **1/8 - 1/4 Mile** **Higher**	**WA WELLS**	**WALOG1000741228**

Database:	Ecology Well Logs	Well Log ID:	1597193
Well Tag:	Not Reported	Project Tag:	B3
Notice of Intent #:	SE60046	Date Received:	22-NOV-16
Diameter:	8	Casing Depth:	16.5
Well Completion:	26-OCT-16	Well Owner:	Spadoni
Well Type:	Resource Protection	Driller #:	3208
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

B75 **WSW** **1/8 - 1/4 Mile** **Higher**	**WA WELLS**	**WALOG1000741229**

Database:	Ecology Well Logs	Well Log ID:	1597194
Well Tag:	Not Reported	Project Tag:	B3
Notice of Intent #:	AE39998	Date Received:	22-NOV-16
Diameter:	8	Casing Depth:	16.5
Well Completion:	26-OCT-16	Well Owner:	Spadoni
Well Type:	Decommisioning	Driller #:	3208
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

B76 **WSW** **1/8 - 1/4 Mile** **Higher**	**WA WELLS**	**WALOG1000741226**

Database:	Ecology Well Logs	Well Log ID:	1597191
Well Tag:	Not Reported	Project Tag:	B2
Notice of Intent #:	SE60046	Date Received:	22-NOV-16
Diameter:	8	Casing Depth:	21.5
Well Completion:	26-OCT-16	Well Owner:	Spadoni
Well Type:	Resource Protection	Driller #:	3208
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

B77 **WSW** **1/8 - 1/4 Mile** **Higher**	**WA WELLS**	**WALOG1000741227**

Database:	Ecology Well Logs	Well Log ID:	1597192
Well Tag:	Not Reported	Project Tag:	B2
Notice of Intent #:	AE39998	Date Received:	22-NOV-16
Diameter:	8	Casing Depth:	21.5

Well Completion:	26-OCT-16	Well Owner:	Spadoni
Well Type:	Decommisioning	Driller #:	3208
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

C78
NNE
1/8 - 1/4 Mile
Higher

WA WELLS **WALOG1000569315**

Database:	Ecology Well Logs	Well Log ID:	814544
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE18100	Date Received:	31-AUG-12
Diameter:	6	Casing Depth:	17.5
Well Completion:	11-JUL-12	Well Owner:	Pathfinder Redondo View Holdings Llc
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

C79
NNE
1/8 - 1/4 Mile
Higher

WA WELLS **WALOG1000569314**

Database:	Ecology Well Logs	Well Log ID:	814542
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE18100	Date Received:	31-AUG-12
Diameter:	6	Casing Depth:	17.5
Well Completion:	11-JUL-12	Well Owner:	Pathfinder Redondo View Holdings Llc
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

C80
NNE
1/8 - 1/4 Mile
Higher

WA WELLS **WALOG1000569317**

Database:	Ecology Well Logs	Well Log ID:	814548
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE18100	Date Received:	31-AUG-12
Diameter:	6	Casing Depth:	12.5
Well Completion:	11-JUL-12	Well Owner:	Pathfinder Redondo View Holdings Llc
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

C81
NNE
1/8 - 1/4 Mile
Higher

WA WELLS **WALOG1000569316**

Database:	Ecology Well Logs	Well Log ID:	814546
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE18100	Date Received:	31-AUG-12
Diameter:	6	Casing Depth:	20
Well Completion:	11-JUL-12	Well Owner:	Pathfinder Redondo View Holdings Llc
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

C82
NNE
1/8 - 1/4 Mile
Higher

WA WELLS **WALOG1000347877**

Database:	Ecology Well Logs	Well Log ID:	439226
Well Tag:	APP702	Project Tag:	Not Reported
Notice of Intent #:	RE01459	Date Received:	28-APR-06
Diameter:	8	Casing Depth:	50
Well Completion:	10-APR-06	Well Owner:	City Of Federal Way
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

C83
NNE
1/8 - 1/4 Mile
Higher

WA WELLS **WALOG1000347876**

Database:	Ecology Well Logs	Well Log ID:	439224
Well Tag:	APM300	Project Tag:	Not Reported
Notice of Intent #:	RE01459	Date Received:	28-APR-06
Diameter:	8	Casing Depth:	50
Well Completion:	10-APR-06	Well Owner:	City Of Federal Way
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

C84
NNE
1/8 - 1/4 Mile
Higher

WA WELLS **WALOG1000347879**

Database:	Ecology Well Logs	Well Log ID:	439230
Well Tag:	APP701	Project Tag:	Not Reported
Notice of Intent #:	RE01459	Date Received:	28-APR-06
Diameter:	8	Casing Depth:	40

Well Completion:	10-APR-06	Well Owner:	City Of Federal Way
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

C85
NNE
1/8 - 1/4 Mile
Higher

WA WELLS **WALOG1000347878**

Database:	Ecology Well Logs	Well Log ID:	439228
Well Tag:	APP703	Project Tag:	Not Reported
Notice of Intent #:	RE01459	Date Received:	28-APR-06
Diameter:	8	Casing Depth:	30
Well Completion:	10-APR-06	Well Owner:	City Of Federal Way
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

C86
NNE
1/8 - 1/4 Mile
Higher

WA WELLS **WALOG1000569416**

Database:	Ecology Well Logs	Well Log ID:	814743
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE45723	Date Received:	31-AUG-12
Diameter:	6	Casing Depth:	12.5
Well Completion:	11-JUL-12	Well Owner:	Pathfinder Redondo View Holdings Llc
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

C87
NNE
1/8 - 1/4 Mile
Higher

WA WELLS **WALOG1000728466**

Database:	Ecology Well Logs	Well Log ID:	1575162
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE58500	Date Received:	06-JUL-16
Diameter:	8	Casing Depth:	50
Well Completion:	26-MAY-16	Well Owner:	Puget Sound Energy
Well Type:	Resource Protection	Driller #:	2828
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
C88 **NNE** **1/8 - 1/4 Mile** **Higher**	**WA WELLS**	**WALOG1000728496**

Database:	Ecology Well Logs	Well Log ID:	1575194
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE37564	Date Received:	06-JUL-16
Diameter:	8	Casing Depth:	50
Well Completion:	26-MAY-16	Well Owner:	Puget Sound Energy
Well Type:	Decommisioning	Driller #:	2828
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
C89 **NNE** **1/8 - 1/4 Mile** **Higher**	**WA WELLS**	**WALOG1000569413**

Database:	Ecology Well Logs	Well Log ID:	814737
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE45723	Date Received:	31-AUG-12
Diameter:	6	Casing Depth:	17.5
Well Completion:	11-JUL-12	Well Owner:	Pathfinder Redondo View Holdings Llc
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
C90 **NNE** **1/8 - 1/4 Mile** **Higher**	**WA WELLS**	**WALOG1000569414**

Database:	Ecology Well Logs	Well Log ID:	814739
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE45723	Date Received:	31-AUG-12
Diameter:	6	Casing Depth:	17.5
Well Completion:	11-JUL-12	Well Owner:	Pathfinder Redondo View Holdings Llc
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
C91 **NNE** **1/8 - 1/4 Mile** **Higher**	**WA WELLS**	**WALOG1000569415**

Database:	Ecology Well Logs	Well Log ID:	814741
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE45723	Date Received:	31-AUG-12
Diameter:	6	Casing Depth:	20

Well Completion:	11-JUL-12	Well Owner:	Pathfinder Redondo View Holdings Llc
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

D92
NNW **FED USGS** **USGS40001255289**
1/8 - 1/4 Mile
Lower

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	21N/04E-05H01	Type:	Well
Description:	Not Reported	HUC:	17110019
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19671010
Well Depth:	250	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1967-10-10
Feet below surface:	163	Feet to sea level:	Not Reported
Note:	Not Reported		

D93
NNW **WA WELLS** **WA1100000018180**
1/8 - 1/4 Mile
Lower

Database:	Water Wells	PWS ID:	40000
Source #:	01	Source Name:	COLD BROOK SPRING
Source Status:	Inactive	Source Type:	Ground Water - Spring
Source Use:	Emergency	Date Source Effective:	01/01/1970
Date Source Inactive:	12/01/1987	Water Resource Inventory Area:	Duwamish-Green
Well Depth:	0	Source Susceptibility:	Not Reported
System Name:	KCWD #56	Public Water System Group:	A
System Type:	Community Water System	Full Time Res Pop:	5800
Total Population Served:	5800	Total Connections:	1496
PWS Status:	Inactive	Residential Connections:	1496
DOE Well Tag:	Not Reported	Capacity (GPM):	80
Influenced by Droughts:	Not Reported	Influenced by Flooding:	Not Reported
Influenced by Surface Water:	U		

E94
SSE **WA WELLS** **WALOG1000445497**
1/4 - 1/2 Mile
Higher

Database:	Ecology Well Logs	Well Log ID:	576894
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE03302	Date Received:	14-JAN-09
Diameter:	2.25	Casing Depth:	10
Well Completion:	09-OCT-08	Well Owner:	Gian Sing
Well Type:	Resource Protection	Driller #:	Not Reported

Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

E95
SSE **WA WELLS** **WALOG1000445494**
1/4 - 1/2 Mile
Higher

Database:	Ecology Well Logs	Well Log ID:	576891
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE03302	Date Received:	14-JAN-09
Diameter:	2.25	Casing Depth:	10
Well Completion:	09-OCT-08	Well Owner:	Gian Sing
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

E96
SSE **WA WELLS** **WALOG1000445491**
1/4 - 1/2 Mile
Higher

Database:	Ecology Well Logs	Well Log ID:	576888
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE03302	Date Received:	14-JAN-09
Diameter:	2.25	Casing Depth:	10
Well Completion:	09-OCT-08	Well Owner:	Gian Sing
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

E97
SSE **WA WELLS** **WALOG1000445505**
1/4 - 1/2 Mile
Higher

Database:	Ecology Well Logs	Well Log ID:	576903
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE04429	Date Received:	14-JAN-09
Diameter:	2.25	Casing Depth:	10
Well Completion:	09-OCT-08	Well Owner:	Gian Sing
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

E98
SSE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG1000445502**

Database:	Ecology Well Logs	Well Log ID:	576900
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE04429	Date Received:	14-JAN-09
Diameter:	2.25	Casing Depth:	10
Well Completion:	09-OCT-08	Well Owner:	Gian Sing
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

E99
SSE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG1000445499**

Database:	Ecology Well Logs	Well Log ID:	576896
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE04429	Date Received:	14-JAN-09
Diameter:	2.25	Casing Depth:	10
Well Completion:	09-OCT-08	Well Owner:	Gian Sing
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

100
SSW
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG1000174937**

Database:	Ecology Well Logs	Well Log ID:	191384
Well Tag:	AFC505	Project Tag:	Not Reported
Notice of Intent #:	W094396	Date Received:	Not Reported
Diameter:	16	Casing Depth:	301
Well Completion:	20-JUL-99	Well Owner:	City Of Bonney Lake
Well Type:	Water	Driller #:	1099
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

101
East
1/4 - 1/2 Mile
Higher

FED USGS **USGS40001255145**

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	21N/04E-04L01	Type:	Well
Description:	Not Reported	HUC:	17110019

Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19470101
Well Depth:	280	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1960-09-23
Feet below surface:	267	Feet to sea level:	Not Reported
Note:	Not Reported		

102
SW
1/4 - 1/2 Mile
Higher

FED USGS **USGS40001255056**

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	21N/04E-05Q02	Type:	Well
Description:	Not Reported	HUC:	17110019
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19560528
Well Depth:	324	Well Depth Units:	ft
Well Hole Depth:	335	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	2	Level reading date:	1967-08-02
Feet below surface:	235.61	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1960-10-06	Feet below surface:	234.28
Feet to sea level:	Not Reported	Note:	Not Reported

103
NW
1/4 - 1/2 Mile
Lower

FED USGS **USGS40001255380**

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	21N/04E-05A01	Type:	Well
Description:	Not Reported	HUC:	17110019
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19600000
Well Depth:	111	Well Depth Units:	ft
Well Hole Depth:	111	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	2	Level reading date:	1967-10-10
Feet below surface:	84.71	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1961-02-23	Feet below surface:	84.84
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

104
SE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG1000519034**

Database:	Ecology Well Logs	Well Log ID:	715625
Well Tag:	APR098	Project Tag:	Not Reported
Notice of Intent #:	WE12690	Date Received:	06-APR-11
Diameter:	6	Casing Depth:	303
Well Completion:	31-MAR-11	Well Owner:	Emilie Hahn | Statewide Drilling Company
Well Type:	Water	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

F105
NNE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG1000532660**

Database:	Ecology Well Logs	Well Log ID:	742304
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE09697	Date Received:	05-AUG-11
Diameter:	6	Casing Depth:	20
Well Completion:	30-APR-11	Well Owner:	Lmrec Reo Inc
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

F106
NNE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG1000532661**

Database:	Ecology Well Logs	Well Log ID:	742306
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE13048	Date Received:	05-AUG-11
Diameter:	6	Casing Depth:	15
Well Completion:	30-APR-11	Well Owner:	Lmrec Reo Inc
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

F107
NNE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG1000532659**

Database:	Ecology Well Logs	Well Log ID:	742302
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE09697	Date Received:	05-AUG-11
Diameter:	6	Casing Depth:	14

Well Completion:	30-APR-11	Well Owner:	Lmrec Reo Inc
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

F108
NNE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG1000532657**

Database:	Ecology Well Logs	Well Log ID:	742298
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE09697	Date Received:	05-AUG-11
Diameter:	6	Casing Depth:	15
Well Completion:	30-APR-11	Well Owner:	Lmrec Reo Inc
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

F109
NNE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG1000532658**

Database:	Ecology Well Logs	Well Log ID:	742300
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE09697	Date Received:	05-AUG-11
Diameter:	6	Casing Depth:	27
Well Completion:	30-APR-11	Well Owner:	Lmrec Reo Inc
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

F110
NNE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG1000532662**

Database:	Ecology Well Logs	Well Log ID:	742308
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE13048	Date Received:	05-AUG-11
Diameter:	6	Casing Depth:	27
Well Completion:	30-APR-11	Well Owner:	Lmrec Reo Inc
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

F111
NNE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG1000592018**

Database:	Ecology Well Logs	Well Log ID:	860109
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE21524	Date Received:	15-MAY-13
Diameter:	8	Casing Depth:	15
Well Completion:	25-APR-13	Well Owner:	Poll Federal Way Llc | Terracon
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

F112
NNE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG1000592019**

Database:	Ecology Well Logs	Well Log ID:	860111
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE21524	Date Received:	15-MAY-13
Diameter:	8	Casing Depth:	5
Well Completion:	25-APR-13	Well Owner:	Poll Federal Way Llc | Terracon
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

F113
NNE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG1000592017**

Database:	Ecology Well Logs	Well Log ID:	860107
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE21524	Date Received:	15-MAY-13
Diameter:	8	Casing Depth:	5
Well Completion:	25-APR-13	Well Owner:	Poll Federal Way Llc | Terracon
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

F114
NNE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG1000532663**

Database:	Ecology Well Logs	Well Log ID:	742310
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE13048	Date Received:	05-AUG-11
Diameter:	6	Casing Depth:	14

Well Completion:	30-APR-11	Well Owner:	Lmrec Reo Inc
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

F115
NNE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG1000532664**

Database:	Ecology Well Logs	Well Log ID:	742312
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE13048	Date Received:	05-AUG-11
Diameter:	6	Casing Depth:	20
Well Completion:	30-APR-11	Well Owner:	Lmrec Reo Inc
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

F116
NNE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG1000346207**

Database:	Ecology Well Logs	Well Log ID:	436782
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S024813	Date Received:	18-APR-06
Diameter:	2	Casing Depth:	12
Well Completion:	31-MAR-06	Well Owner:	Redondo Shell Station
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

F117
NNE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG1000346208**

Database:	Ecology Well Logs	Well Log ID:	436783
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S024813	Date Received:	18-APR-06
Diameter:	2	Casing Depth:	12
Well Completion:	31-MAR-06	Well Owner:	Redondo Shell Station
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

F118
NNE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG1000103274**

Database:	Ecology Well Logs	Well Log ID:	107822
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	06-JUL-92
Diameter:	0	Casing Depth:	0
Well Completion:	16-JUN-92	Well Owner:	Texaco Station Federal Way
Well Type:	Water	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

F119
NNE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG1000300651**

Database:	Ecology Well Logs	Well Log ID:	381581
Well Tag:	ALA327	Project Tag:	Not Reported
Notice of Intent #:	RE00880	Date Received:	14-JUN-04
Diameter:	8	Casing Depth:	40
Well Completion:	02-JUN-04	Well Owner:	City Of Federal Way
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

F120
NNE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG1000103443**

Database:	Ecology Well Logs	Well Log ID:	108081
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S001497	Date Received:	24-JUN-98
Diameter:	0	Casing Depth:	0
Well Completion:	14-MAY-98	Well Owner:	U. S. West (Open Lot)
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

F121
NNE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG1000346209**

Database:	Ecology Well Logs	Well Log ID:	436784
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S024813	Date Received:	18-APR-06
Diameter:	2	Casing Depth:	12

Well Completion:	31-MAR-06	Well Owner:	Redondo Shell Station
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

F122
NNE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG1000346213**

Database:	Ecology Well Logs	Well Log ID:	436792
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S024813	Date Received:	18-APR-06
Diameter:	2	Casing Depth:	7
Well Completion:	31-MAR-06	Well Owner:	Redondo Shell Station
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

F123
NNE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG1000346214**

Database:	Ecology Well Logs	Well Log ID:	436794
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S024813	Date Received:	18-APR-06
Diameter:	2	Casing Depth:	7
Well Completion:	31-MAR-06	Well Owner:	Redondo Shell Station
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

F124
NNE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG1000346212**

Database:	Ecology Well Logs	Well Log ID:	436790
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S024813	Date Received:	18-APR-06
Diameter:	2	Casing Depth:	8
Well Completion:	31-MAR-06	Well Owner:	Redondo Shell Station
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

F125
NNE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG1000346210**

Database:	Ecology Well Logs	Well Log ID:	436786
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S024813	Date Received:	18-APR-06
Diameter:	2	Casing Depth:	12
Well Completion:	31-MAR-06	Well Owner:	Redondo Shell Station
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

F126
NNE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG1000346211**

Database:	Ecology Well Logs	Well Log ID:	436788
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S024813	Date Received:	18-APR-06
Diameter:	2	Casing Depth:	8
Well Completion:	31-MAR-06	Well Owner:	Redondo Shell Station
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

F127
NNE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG1000758954**

Database:	Ecology Well Logs	Well Log ID:	1616834
Well Tag:	Not Reported	Project Tag:	B3
Notice of Intent #:	AE42306	Date Received:	12-APR-17
Diameter:	2.25	Casing Depth:	25
Well Completion:	04-APR-17	Well Owner:	Harbor Building Investments
Well Type:	Decommisioning	Driller #:	2914
Static Level:	276	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

F128
NNE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG1000758955**

Database:	Ecology Well Logs	Well Log ID:	1616835
Well Tag:	Not Reported	Project Tag:	B1
Notice of Intent #:	SE61653	Date Received:	12-APR-17
Diameter:	2.25	Casing Depth:	12.4166669846

Well Completion:	04-APR-17	Well Owner:	Harbor Building Investments
Well Type:	Resource Protection	Driller #:	2914
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

F129
NNE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG1000758914**

Database:	Ecology Well Logs	Well Log ID:	1616794
Well Tag:	Not Reported	Project Tag:	B5
Notice of Intent #:	AE42305	Date Received:	12-APR-17
Diameter:	2.25	Casing Depth:	20
Well Completion:	04-APR-17	Well Owner:	Harbor Building Investments
Well Type:	Decommisioning	Driller #:	2914
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

F130
NNE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG1000758953**

Database:	Ecology Well Logs	Well Log ID:	1616833
Well Tag:	Not Reported	Project Tag:	B3
Notice of Intent #:	EE06579	Date Received:	12-APR-17
Diameter:	2.25	Casing Depth:	25
Well Completion:	04-APR-17	Well Owner:	Harbor Building Investments
Well Type:	Resource Protection	Driller #:	2914
Static Level:	276	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

F131
NNE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG1000758956**

Database:	Ecology Well Logs	Well Log ID:	1616836
Well Tag:	Not Reported	Project Tag:	B1
Notice of Intent #:	AE42305	Date Received:	12-APR-17
Diameter:	2.25	Casing Depth:	12.4166669846
Well Completion:	04-APR-17	Well Owner:	Harbor Building Investments
Well Type:	Decommisioning	Driller #:	2914
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

F132
NNE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG1000758959**

Database:	Ecology Well Logs	Well Log ID:	1616839
Well Tag:	Not Reported	Project Tag:	B4
Notice of Intent #:	SE61653	Date Received:	12-APR-17
Diameter:	2.25	Casing Depth:	15
Well Completion:	04-APR-17	Well Owner:	Harbor Building Investments
Well Type:	Resource Protection	Driller #:	2914
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

F133
NNE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG1000758960**

Database:	Ecology Well Logs	Well Log ID:	1616840
Well Tag:	Not Reported	Project Tag:	B4
Notice of Intent #:	AE42305	Date Received:	12-APR-17
Diameter:	2.25	Casing Depth:	15
Well Completion:	04-APR-17	Well Owner:	Harbor Building Investments
Well Type:	Decommisioning	Driller #:	2914
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

F134
NNE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG1000758957**

Database:	Ecology Well Logs	Well Log ID:	1616837
Well Tag:	Not Reported	Project Tag:	B2
Notice of Intent #:	SE61653	Date Received:	12-APR-17
Diameter:	2.25	Casing Depth:	30
Well Completion:	04-APR-17	Well Owner:	Harbor Building Investments
Well Type:	Resource Protection	Driller #:	2914
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

F135
NNE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG1000758958**

Database:	Ecology Well Logs	Well Log ID:	1616838
Well Tag:	Not Reported	Project Tag:	B2
Notice of Intent #:	AE42305	Date Received:	12-APR-17
Diameter:	2.25	Casing Depth:	30

Well Completion:	04-APR-17	Well Owner:	Harbor Building Investments
Well Type:	Decommisioning	Driller #:	2914
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

F136
NNE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG1000758913**

Database:	Ecology Well Logs	Well Log ID:	1616793
Well Tag:	Not Reported	Project Tag:	B5
Notice of Intent #:	SE61653	Date Received:	12-APR-17
Diameter:	2.25	Casing Depth:	20
Well Completion:	04-APR-17	Well Owner:	Harbor Building Investments
Well Type:	Resource Protection	Driller #:	2914
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

F137
NNE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG1000592022**

Database:	Ecology Well Logs	Well Log ID:	860117
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE47977	Date Received:	15-MAY-13
Diameter:	8	Casing Depth:	5
Well Completion:	25-APR-13	Well Owner:	Poll Federal Way Llc | Terracon
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

F138
NNE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG1000592023**

Database:	Ecology Well Logs	Well Log ID:	860119
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE47977	Date Received:	15-MAY-13
Diameter:	8	Casing Depth:	15
Well Completion:	25-APR-13	Well Owner:	Poll Federal Way Llc | Terracon
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

F139
NNE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG1000592020**

Database:	Ecology Well Logs	Well Log ID:	860113
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE21524	Date Received:	15-MAY-13
Diameter:	8	Casing Depth:	5
Well Completion:	25-APR-13	Well Owner:	Poll Federal Way Llc | Terracon
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

F140
NNE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG1000592021**

Database:	Ecology Well Logs	Well Log ID:	860115
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE21524	Date Received:	15-MAY-13
Diameter:	8	Casing Depth:	5
Well Completion:	25-APR-13	Well Owner:	Poll Federal Way Llc | Terracon
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

F141
NNE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG1000592024**

Database:	Ecology Well Logs	Well Log ID:	860121
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE47977	Date Received:	15-MAY-13
Diameter:	8	Casing Depth:	5
Well Completion:	25-APR-13	Well Owner:	Poll Federal Way Llc | Terracon
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

F142
NNE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG1000676406**

Database:	Ecology Well Logs	Well Log ID:	1027191
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE32231	Date Received:	08-JUN-15
Diameter:	36	Casing Depth:	31

Well Completion:	01-JUN-15	Well Owner:	Freeman Bell Construction Devl
Well Type:	Decommisioning	Driller #:	2770
Static Level:	29	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

F143
NNE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG1000748282**

Database:	Ecology Well Logs	Well Log ID:	1604414
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE39668	Date Received:	30-JAN-17
Diameter:	8	Casing Depth:	156
Well Completion:	25-OCT-16	Well Owner:	Jason Mccarter - Federal Way Veterans Center
Well Type:	Decommisioning	Driller #:	2053
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

F144
NNE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG1000592025**

Database:	Ecology Well Logs	Well Log ID:	860123
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE47977	Date Received:	15-MAY-13
Diameter:	8	Casing Depth:	5
Well Completion:	25-APR-13	Well Owner:	Poll Federal Way Llc | Terracon
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

F145
NNE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG1000592026**

Database:	Ecology Well Logs	Well Log ID:	860125
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE47977	Date Received:	15-MAY-13
Diameter:	8	Casing Depth:	5
Well Completion:	25-APR-13	Well Owner:	Poll Federal Way Llc | Terracon
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

G146
NNW
1/4 - 1/2 Mile
Lower

WA WELLS **WALOG1000566760**

Database:	Ecology Well Logs	Well Log ID:	809489
Well Tag:	BHJ135	Project Tag:	Not Reported
Notice of Intent #:	RE06973	Date Received:	02-AUG-12
Diameter:	1	Casing Depth:	15
Well Completion:	20-APR-12	Well Owner:	City Of Federal Way
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

G147
NNW
1/4 - 1/2 Mile
Lower

WA WELLS **WALOG1000576541**

Database:	Ecology Well Logs	Well Log ID:	828827
Well Tag:	BHJ135	Project Tag:	Not Reported
Notice of Intent #:	AE18258	Date Received:	02-NOV-12
Diameter:	2	Casing Depth:	15
Well Completion:	23-JUL-12	Well Owner:	City Of Federal Way
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

148
SW
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG1000271810**

Database:	Ecology Well Logs	Well Log ID:	348668
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	Not Reported
Diameter:	12	Casing Depth:	325
Well Completion:	28-MAY-56	Well Owner:	King County Water District #64
Well Type:	Water	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

F149
NNE
1/4 - 1/2 Mile
Higher

FED USGS **USGS40001255421**

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	21N/04E-04D02	Type:	Well
Description:	Not Reported	HUC:	17110019

Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19010101
Well Depth:	80	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1901-01-01
Feet below surface:	Not Reported	Feet to sea level:	Not Reported
Note:	The site was dry (no water level recorded).		

H150
WSW **FED USGS** **USGS40001255055**
1/2 - 1 Mile
Lower

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	21N/04E-05Q03	Type:	Well
Description:	Not Reported	HUC:	17110019
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19560401
Well Depth:	315	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1967-10-16
Feet below surface:	236	Feet to sea level:	Not Reported
Note:	Not Reported		

151
North **FED USGS** **USGS40001255442**
1/2 - 1 Mile
Higher

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	21N/04E-04D01	Type:	Well
Description:	Not Reported	HUC:	17110019
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19600929
Well Depth:	309	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

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I152
South **WA WELLS** **WALOG1000481451**
1/2 - 1 Mile
Higher

Database:	Ecology Well Logs	Well Log ID:	641722
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE06220	Date Received:	12-MAR-10
Diameter:	2.3	Casing Depth:	9

Well Completion:	10-JAN-10	Well Owner:	Al Holz
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I153
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000481450**

Database:	Ecology Well Logs	Well Log ID:	641720
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE06220	Date Received:	12-MAR-10
Diameter:	2.3	Casing Depth:	7
Well Completion:	10-JAN-10	Well Owner:	Al Holz
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I154
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000481453**

Database:	Ecology Well Logs	Well Log ID:	641726
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE06220	Date Received:	12-MAR-10
Diameter:	2.3	Casing Depth:	11
Well Completion:	10-JAN-10	Well Owner:	Al Holz
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I155
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000481452**

Database:	Ecology Well Logs	Well Log ID:	641724
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE06220	Date Received:	12-MAR-10
Diameter:	2.3	Casing Depth:	10
Well Completion:	10-JAN-10	Well Owner:	Al Holz
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

I156
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000481447**

Database:	Ecology Well Logs	Well Log ID:	641714
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE06220	Date Received:	12-MAR-10
Diameter:	2.3	Casing Depth:	12
Well Completion:	10-JAN-10	Well Owner:	Al Holz
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I157
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000480824**

Database:	Ecology Well Logs	Well Log ID:	640476
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE08307	Date Received:	01-MAR-10
Diameter:	8	Casing Depth:	37
Well Completion:	07-FEB-10	Well Owner:	Al Holz Transmission | Landau Associates
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I158
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000481449**

Database:	Ecology Well Logs	Well Log ID:	641718
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE06220	Date Received:	12-MAR-10
Diameter:	2.3	Casing Depth:	6
Well Completion:	10-JAN-10	Well Owner:	Al Holz
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I159
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000481448**

Database:	Ecology Well Logs	Well Log ID:	641716
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE06220	Date Received:	12-MAR-10
Diameter:	2.3	Casing Depth:	13

Well Completion:	10-JAN-10	Well Owner:	Al Holz
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I160
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000481459**

Database:	Ecology Well Logs	Well Log ID:	641737
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE06220	Date Received:	12-MAR-10
Diameter:	2.3	Casing Depth:	14
Well Completion:	10-JAN-10	Well Owner:	Al Holz
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I161
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000481458**

Database:	Ecology Well Logs	Well Log ID:	641735
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE06220	Date Received:	12-MAR-10
Diameter:	2.3	Casing Depth:	12.5
Well Completion:	10-JAN-10	Well Owner:	Al Holz
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I162
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000481461**

Database:	Ecology Well Logs	Well Log ID:	641741
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE06220	Date Received:	12-MAR-10
Diameter:	2.3	Casing Depth:	13
Well Completion:	10-JAN-10	Well Owner:	Al Holz
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

I163
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000481460**

Database:	Ecology Well Logs	Well Log ID:	641739
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE06220	Date Received:	12-MAR-10
Diameter:	2.3	Casing Depth:	15
Well Completion:	10-JAN-10	Well Owner:	Al Holz
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I164
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000481455**

Database:	Ecology Well Logs	Well Log ID:	641730
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE06220	Date Received:	12-MAR-10
Diameter:	2.3	Casing Depth:	14
Well Completion:	10-JAN-10	Well Owner:	Al Holz
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I165
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000481454**

Database:	Ecology Well Logs	Well Log ID:	641728
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE06220	Date Received:	12-MAR-10
Diameter:	2.3	Casing Depth:	11
Well Completion:	10-JAN-10	Well Owner:	Al Holz
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I166
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000481457**

Database:	Ecology Well Logs	Well Log ID:	641733
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE06220	Date Received:	12-MAR-10
Diameter:	2.3	Casing Depth:	14

Well Completion:	10-JAN-10	Well Owner:	Al Holz
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I167
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000481456**

Database:	Ecology Well Logs	Well Log ID:	641732
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE06220	Date Received:	12-MAR-10
Diameter:	2.3	Casing Depth:	14
Well Completion:	10-JAN-10	Well Owner:	Al Holz
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I168
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000408661**

Database:	Ecology Well Logs	Well Log ID:	526436
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S027136	Date Received:	17-MAR-08
Diameter:	0	Casing Depth:	16.5
Well Completion:	17-OCT-07	Well Owner:	Federal Way~ City Of | Landau Associates
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I169
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000408660**

Database:	Ecology Well Logs	Well Log ID:	526435
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S027136	Date Received:	17-MAR-08
Diameter:	0	Casing Depth:	16.5
Well Completion:	16-OCT-07	Well Owner:	Federal Way~ City Of | Landau Associates
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

I170
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000408663**

Database:	Ecology Well Logs	Well Log ID:	526438
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S027136	Date Received:	17-MAR-08
Diameter:	0	Casing Depth:	16.5
Well Completion:	17-OCT-07	Well Owner:	Federal Way~ City Of | Landau Associates
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I171
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000408662**

Database:	Ecology Well Logs	Well Log ID:	526437
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S027136	Date Received:	17-MAR-08
Diameter:	0	Casing Depth:	16.5
Well Completion:	17-OCT-07	Well Owner:	Federal Way~ City Of | Landau Associates
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I172
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000408657**

Database:	Ecology Well Logs	Well Log ID:	526432
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S027136	Date Received:	17-MAR-08
Diameter:	0	Casing Depth:	31.5
Well Completion:	16-OCT-07	Well Owner:	Federal Way~ City Of | Landau Associates
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I173
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000408656**

Database:	Ecology Well Logs	Well Log ID:	526431
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S027136	Date Received:	17-MAR-08
Diameter:	0	Casing Depth:	16.5

Well Completion:	15-OCT-07	Well Owner:	Federal Way~ City Of | Landau Associates
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I174
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000408659**

Database:	Ecology Well Logs	Well Log ID:	526434
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S027136	Date Received:	17-MAR-08
Diameter:	0	Casing Depth:	16.5
Well Completion:	16-OCT-07	Well Owner:	Federal Way~ City Of | Landau Associates
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I175
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000408658**

Database:	Ecology Well Logs	Well Log ID:	526433
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S027136	Date Received:	17-MAR-08
Diameter:	0	Casing Depth:	21.5
Well Completion:	16-OCT-07	Well Owner:	Federal Way~ City Of | Landau Associates
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I176
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000434072**

Database:	Ecology Well Logs	Well Log ID:	561379
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE03496	Date Received:	05-NOV-08
Diameter:	2.3	Casing Depth:	7.5
Well Completion:	03-NOV-08	Well Owner:	Federal Way School District 210
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
I177 **South** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000434071**

Database:	Ecology Well Logs	Well Log ID:	561378
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE03496	Date Received:	05-NOV-08
Diameter:	2.3	Casing Depth:	9
Well Completion:	03-NOV-08	Well Owner:	Federal Way School District 210
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
I178 **South** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000480823**

Database:	Ecology Well Logs	Well Log ID:	640474
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	EE01320	Date Received:	01-MAR-10
Diameter:	8	Casing Depth:	37
Well Completion:	07-FEB-10	Well Owner:	Al Holz Transmission | Landau Associates
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
I179 **South** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000434073**

Database:	Ecology Well Logs	Well Log ID:	561381
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE03496	Date Received:	05-NOV-08
Diameter:	2.3	Casing Depth:	15
Well Completion:	03-NOV-08	Well Owner:	Federal Way School District 210
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
I180 **South** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000408665**

Database:	Ecology Well Logs	Well Log ID:	526441
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S027136	Date Received:	17-MAR-08
Diameter:	0	Casing Depth:	16.5

Well Completion:	18-OCT-07	Well Owner:	Federal Way~ City Of | Landau Associates
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I181
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000408664**

Database:	Ecology Well Logs	Well Log ID:	526439
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S027136	Date Received:	17-MAR-08
Diameter:	0	Casing Depth:	16.5
Well Completion:	18-OCT-07	Well Owner:	Federal Way~ City Of | Landau Associates
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I182
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000434070**

Database:	Ecology Well Logs	Well Log ID:	561377
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE03496	Date Received:	05-NOV-08
Diameter:	2.3	Casing Depth:	8
Well Completion:	03-NOV-08	Well Owner:	Federal Way School District 210
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I183
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000434069**

Database:	Ecology Well Logs	Well Log ID:	561375
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE03496	Date Received:	05-NOV-08
Diameter:	2.3	Casing Depth:	9
Well Completion:	03-NOV-08	Well Owner:	Federal Way School District 210
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

I184
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000712531**

Database:	Ecology Well Logs	Well Log ID:	1556608
Well Tag:	BJW615	Project Tag:	Not Reported
Notice of Intent #:	RE12475	Date Received:	11-APR-16
Diameter:	3.25	Casing Depth:	19
Well Completion:	02-MAR-16	Well Owner:	Fbef Holdings Llc
Well Type:	Resource Protection	Driller #:	3152
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I185
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000710121**

Database:	Ecology Well Logs	Well Log ID:	1551271
Well Tag:	Not Reported	Project Tag:	B3
Notice of Intent #:	AE36207	Date Received:	30-MAR-16
Diameter:	2.25	Casing Depth:	19.4166660309
Well Completion:	02-MAR-16	Well Owner:	Fbef Holdings Llc
Well Type:	Decommisioning	Driller #:	3152
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I186
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000712683**

Database:	Ecology Well Logs	Well Log ID:	1556763
Well Tag:	BJW617	Project Tag:	Not Reported
Notice of Intent #:	RE12475	Date Received:	11-APR-16
Diameter:	3.25	Casing Depth:	19.5
Well Completion:	02-MAR-16	Well Owner:	Fbef Holdings Llc
Well Type:	Resource Protection	Driller #:	3152
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I187
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000712662**

Database:	Ecology Well Logs	Well Log ID:	1556742
Well Tag:	BJW616	Project Tag:	Not Reported
Notice of Intent #:	RE12475	Date Received:	11-APR-16
Diameter:	3.25	Casing Depth:	17.5

Well Completion:	02-MAR-16	Well Owner:	Fbef Holdings Llc
Well Type:	Resource Protection	Driller #:	3152
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I188
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000710118**

Database:	Ecology Well Logs	Well Log ID:	1551268
Well Tag:	Not Reported	Project Tag:	b2
Notice of Intent #:	SE57565	Date Received:	30-MAR-16
Diameter:	2.25	Casing Depth:	17.4166660309
Well Completion:	02-MAR-16	Well Owner:	Fbef Holdings Llc
Well Type:	Resource Protection	Driller #:	3152
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I189
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000710117**

Database:	Ecology Well Logs	Well Log ID:	1551267
Well Tag:	Not Reported	Project Tag:	B1
Notice of Intent #:	AE36207	Date Received:	30-MAR-16
Diameter:	2.25	Casing Depth:	19
Well Completion:	02-MAR-16	Well Owner:	Fbef Holdings Llc
Well Type:	Decommisioning	Driller #:	3152
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I190
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000710120**

Database:	Ecology Well Logs	Well Log ID:	1551270
Well Tag:	Not Reported	Project Tag:	B3
Notice of Intent #:	SE57565	Date Received:	30-MAR-16
Diameter:	2.25	Casing Depth:	19.4166660309
Well Completion:	02-MAR-16	Well Owner:	Fbef Holdings Llc
Well Type:	Resource Protection	Driller #:	3152
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

I191
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000710119**

Database:	Ecology Well Logs	Well Log ID:	1551269
Well Tag:	Not Reported	Project Tag:	b2
Notice of Intent #:	AE36207	Date Received:	30-MAR-16
Diameter:	2.25	Casing Depth:	17.4166660309
Well Completion:	02-MAR-16	Well Owner:	Fbef Holdings Llc
Well Type:	Decommisioning	Driller #:	3152
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I192
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000748776**

Database:	Ecology Well Logs	Well Log ID:	1604908
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE40307	Date Received:	14-DEC-16
Diameter:	8	Casing Depth:	16
Well Completion:	16-NOV-16	Well Owner:	Oriental Garden Center
Well Type:	Decommisioning	Driller #:	3143
Static Level:	84	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I193
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000748775**

Database:	Ecology Well Logs	Well Log ID:	1604907
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE40307	Date Received:	14-DEC-16
Diameter:	8	Casing Depth:	16
Well Completion:	16-NOV-16	Well Owner:	Oriental Garden Center
Well Type:	Decommisioning	Driller #:	3143
Static Level:	84	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I194
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000748778**

Database:	Ecology Well Logs	Well Log ID:	1604910
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE40307	Date Received:	14-DEC-16
Diameter:	8	Casing Depth:	21

Well Completion:	16-NOV-16	Well Owner:	Oriental Garden Center
Well Type:	Decommisioning	Driller #:	3143
Static Level:	90	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I195
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000748777**

Database:	Ecology Well Logs	Well Log ID:	1604909
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE60272	Date Received:	14-DEC-16
Diameter:	8	Casing Depth:	21
Well Completion:	16-NOV-16	Well Owner:	Oriental Garden Center
Well Type:	Resource Protection	Driller #:	3143
Static Level:	90	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I196
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000748772**

Database:	Ecology Well Logs	Well Log ID:	1604904
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE60272	Date Received:	14-DEC-16
Diameter:	8	Casing Depth:	16
Well Completion:	16-NOV-16	Well Owner:	Oriental Garden Center
Well Type:	Resource Protection	Driller #:	3143
Static Level:	84	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I197
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000748771**

Database:	Ecology Well Logs	Well Log ID:	1604903
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE60272	Date Received:	14-DEC-16
Diameter:	8	Casing Depth:	16
Well Completion:	16-NOV-16	Well Owner:	Oriental Garden Center
Well Type:	Resource Protection	Driller #:	3143
Static Level:	90	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

I198
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000748774**

Database:	Ecology Well Logs	Well Log ID:	1604906
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE40307	Date Received:	14-DEC-16
Diameter:	8	Casing Depth:	16
Well Completion:	16-NOV-16	Well Owner:	Oriental Garden Center
Well Type:	Decommisioning	Driller #:	3143
Static Level:	90	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I199
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000748773**

Database:	Ecology Well Logs	Well Log ID:	1604905
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE60272	Date Received:	14-DEC-16
Diameter:	8	Casing Depth:	16
Well Completion:	16-NOV-16	Well Owner:	Oriental Garden Center
Well Type:	Resource Protection	Driller #:	3143
Static Level:	84	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I200
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000481467**

Database:	Ecology Well Logs	Well Log ID:	641753
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE08123	Date Received:	12-MAR-10
Diameter:	2.3	Casing Depth:	10
Well Completion:	10-JAN-10	Well Owner:	Holz Al
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I201
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000481466**

Database:	Ecology Well Logs	Well Log ID:	641751
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE08123	Date Received:	12-MAR-10
Diameter:	2.3	Casing Depth:	9

Well Completion:	10-JAN-10	Well Owner:	Holz Al
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I202
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000481469**

Database:	Ecology Well Logs	Well Log ID:	641757
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE08123	Date Received:	12-MAR-10
Diameter:	2.3	Casing Depth:	11
Well Completion:	10-JAN-10	Well Owner:	Holz Al
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I203
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000481468**

Database:	Ecology Well Logs	Well Log ID:	641755
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE08123	Date Received:	12-MAR-10
Diameter:	2.3	Casing Depth:	11
Well Completion:	10-JAN-10	Well Owner:	Holz Al
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I204
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000481463**

Database:	Ecology Well Logs	Well Log ID:	641745
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE08123	Date Received:	12-MAR-10
Diameter:	2.3	Casing Depth:	13
Well Completion:	10-JAN-10	Well Owner:	Holz Al
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

I205
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000481462**

Database:	Ecology Well Logs	Well Log ID:	641743
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE08123	Date Received:	12-MAR-10
Diameter:	2.3	Casing Depth:	12
Well Completion:	10-JAN-10	Well Owner:	Holz Al
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I206
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000481465**

Database:	Ecology Well Logs	Well Log ID:	641749
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE08123	Date Received:	12-MAR-10
Diameter:	2.3	Casing Depth:	7
Well Completion:	10-JAN-10	Well Owner:	Holz Al
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I207
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000481464**

Database:	Ecology Well Logs	Well Log ID:	641747
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE08123	Date Received:	12-MAR-10
Diameter:	2.3	Casing Depth:	6
Well Completion:	10-JAN-10	Well Owner:	Holz Al
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I208
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000481539**

Database:	Ecology Well Logs	Well Log ID:	641892
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE08123	Date Received:	12-MAR-10
Diameter:	2.3	Casing Depth:	12.5

Well Completion:	10-JAN-10	Well Owner:	Holz Al
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I209
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000481538**

Database:	Ecology Well Logs	Well Log ID:	641890
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE08123	Date Received:	12-MAR-10
Diameter:	2.3	Casing Depth:	14
Well Completion:	10-JAN-10	Well Owner:	Holz Al
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I210
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000710116**

Database:	Ecology Well Logs	Well Log ID:	1551266
Well Tag:	Not Reported	Project Tag:	B1
Notice of Intent #:	SE57565	Date Received:	30-MAR-16
Diameter:	2.25	Casing Depth:	19
Well Completion:	02-MAR-16	Well Owner:	Fbef Holdings Llc
Well Type:	Resource Protection	Driller #:	3152
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I211
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000481540**

Database:	Ecology Well Logs	Well Log ID:	641894
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE08123	Date Received:	12-MAR-10
Diameter:	2.3	Casing Depth:	14
Well Completion:	10-JAN-10	Well Owner:	Holz Al
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

I212
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000481471**

Database:	Ecology Well Logs	Well Log ID:	641761
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE08123	Date Received:	12-MAR-10
Diameter:	2.3	Casing Depth:	14
Well Completion:	10-JAN-10	Well Owner:	Holz Al
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I213
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000481470**

Database:	Ecology Well Logs	Well Log ID:	641759
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE08123	Date Received:	12-MAR-10
Diameter:	2.3	Casing Depth:	14
Well Completion:	10-JAN-10	Well Owner:	Holz Al
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I214
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000481473**

Database:	Ecology Well Logs	Well Log ID:	641765
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE08123	Date Received:	12-MAR-10
Diameter:	2.3	Casing Depth:	13
Well Completion:	10-JAN-10	Well Owner:	Holz Al
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

I215
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000481472**

Database:	Ecology Well Logs	Well Log ID:	641763
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE08123	Date Received:	12-MAR-10
Diameter:	2.3	Casing Depth:	15

Well Completion:	10-JAN-10	Well Owner:	Holz Al
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

H216
WSW
1/2 - 1 Mile
Lower

FED USGS **USGS40001255062**

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	21N/04E-05Q01	Type:	Well
Description:	Not Reported	HUC:	17110019
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19671009
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

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J217
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000763839**

Database:	Ecology Well Logs	Well Log ID:	1622546
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	EE06509	Date Received:	11-MAY-17
Diameter:	8.25	Casing Depth:	21
Well Completion:	10-MAR-17	Well Owner:	Federal Way High School
Well Type:	Resource Protection	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J218
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000763838**

Database:	Ecology Well Logs	Well Log ID:	1622545
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	EE06509	Date Received:	11-MAY-17
Diameter:	8.25	Casing Depth:	20
Well Completion:	14-MAR-17	Well Owner:	Federal Way High School
Well Type:	Resource Protection	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database | EDR ID Number

J219
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000763840**

Database:	Ecology Well Logs	Well Log ID:	1622547
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE41817	Date Received:	11-MAY-17
Diameter:	8.25	Casing Depth:	20
Well Completion:	07-MAR-17	Well Owner:	Federal Way High School
Well Type:	Decommisioning	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J220
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000763844**

Database:	Ecology Well Logs	Well Log ID:	1622551
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	EE06509	Date Received:	11-MAY-17
Diameter:	8.25	Casing Depth:	20
Well Completion:	14-MAR-17	Well Owner:	Federal Way High School
Well Type:	Resource Protection	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J221
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000763843**

Database:	Ecology Well Logs	Well Log ID:	1622550
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	EE06509	Date Received:	11-MAY-17
Diameter:	8.25	Casing Depth:	20
Well Completion:	14-MAR-17	Well Owner:	Federal Way High School
Well Type:	Resource Protection	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J222
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000763837**

Database:	Ecology Well Logs	Well Log ID:	1622544
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	EE06509	Date Received:	11-MAY-17
Diameter:	8.25	Casing Depth:	20

Well Completion:	14-MAR-17	Well Owner:	Federal Way High School
Well Type:	Resource Protection	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J223
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000763833**

Database:	Ecology Well Logs	Well Log ID:	1622540
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	EE06509	Date Received:	11-MAY-17
Diameter:	8.25	Casing Depth:	25
Well Completion:	03-MAR-17	Well Owner:	Federal Way High School
Well Type:	Resource Protection	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J224
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000763828**

Database:	Ecology Well Logs	Well Log ID:	1622535
Well Tag:	BJH257	Project Tag:	Not Reported
Notice of Intent #:	RE14122	Date Received:	11-MAY-17
Diameter:	8.25	Casing Depth:	20
Well Completion:	14-MAR-17	Well Owner:	Federal Way High School
Well Type:	Resource Protection	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J225
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000763834**

Database:	Ecology Well Logs	Well Log ID:	1622541
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	EE06509	Date Received:	11-MAY-17
Diameter:	8.25	Casing Depth:	20
Well Completion:	14-MAR-17	Well Owner:	Federal Way High School
Well Type:	Resource Protection	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

J226
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000763836**

Database:	Ecology Well Logs	Well Log ID:	1622543
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	EE06509	Date Received:	11-MAY-17
Diameter:	8.25	Casing Depth:	20
Well Completion:	14-MAR-17	Well Owner:	Federal Way High School
Well Type:	Resource Protection	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J227
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000763835**

Database:	Ecology Well Logs	Well Log ID:	1622542
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	EE06509	Date Received:	11-MAY-17
Diameter:	8.25	Casing Depth:	20
Well Completion:	14-MAR-17	Well Owner:	Federal Way High School
Well Type:	Resource Protection	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J228
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000763880**

Database:	Ecology Well Logs	Well Log ID:	1622588
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE41817	Date Received:	11-MAY-17
Diameter:	8.25	Casing Depth:	20
Well Completion:	14-MAR-17	Well Owner:	Federal Way High School
Well Type:	Decommisioning	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J229
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000763879**

Database:	Ecology Well Logs	Well Log ID:	1622587
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE41817	Date Received:	11-MAY-17
Diameter:	8.25	Casing Depth:	20

Well Completion:	14-MAR-17	Well Owner:	Federal Way High School
Well Type:	Decommisioning	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J230
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000763881**

Database:	Ecology Well Logs	Well Log ID:	1622589
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE41817	Date Received:	11-MAY-17
Diameter:	8.25	Casing Depth:	21
Well Completion:	10-MAR-17	Well Owner:	Federal Way High School
Well Type:	Decommisioning	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J231
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000763906**

Database:	Ecology Well Logs	Well Log ID:	1622614
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE41817	Date Received:	11-MAY-17
Diameter:	8.25	Casing Depth:	20
Well Completion:	18-MAR-17	Well Owner:	Federal Way High School
Well Type:	Decommisioning	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J232
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000763900**

Database:	Ecology Well Logs	Well Log ID:	1622608
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE41817	Date Received:	11-MAY-17
Diameter:	8.25	Casing Depth:	20
Well Completion:	14-MAR-17	Well Owner:	Federal Way High School
Well Type:	Decommisioning	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
J233 **SSW** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000763852**

Database:	Ecology Well Logs	Well Log ID:	1622559
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE41817	Date Received:	11-MAY-17
Diameter:	8.25	Casing Depth:	20
Well Completion:	14-MAR-17	Well Owner:	Federal Way High School
Well Type:	Decommisioning	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
J234 **SSW** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000763848**

Database:	Ecology Well Logs	Well Log ID:	1622555
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE41817	Date Received:	11-MAY-17
Diameter:	8.25	Casing Depth:	20
Well Completion:	14-MAR-17	Well Owner:	Federal Way High School
Well Type:	Decommisioning	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
J235 **SSW** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000763847**

Database:	Ecology Well Logs	Well Log ID:	1622554
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE41817	Date Received:	11-MAY-17
Diameter:	8.25	Casing Depth:	20
Well Completion:	14-MAR-17	Well Owner:	Federal Way High School
Well Type:	Decommisioning	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
J236 **SSW** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000763849**

Database:	Ecology Well Logs	Well Log ID:	1622556
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE41817	Date Received:	11-MAY-17
Diameter:	8.25	Casing Depth:	20

Well Completion:	14-MAR-17	Well Owner:	Federal Way High School
Well Type:	Decommisioning	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J237
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000763851**

Database:	Ecology Well Logs	Well Log ID:	1622558
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE41817	Date Received:	11-MAY-17
Diameter:	8.25	Casing Depth:	20
Well Completion:	14-MAR-17	Well Owner:	Federal Way High School
Well Type:	Decommisioning	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J238
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000763850**

Database:	Ecology Well Logs	Well Log ID:	1622557
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE41817	Date Received:	11-MAY-17
Diameter:	8.25	Casing Depth:	20
Well Completion:	14-MAR-17	Well Owner:	Federal Way High School
Well Type:	Decommisioning	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J239
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000763805**

Database:	Ecology Well Logs	Well Log ID:	1622511
Well Tag:	BJH258	Project Tag:	Not Reported
Notice of Intent #:	RE14122	Date Received:	11-MAY-17
Diameter:	8.25	Casing Depth:	20
Well Completion:	14-MAR-17	Well Owner:	Federal Way High School
Well Type:	Resource Protection	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database | EDR ID Number

J240
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000763804**

Database:	Ecology Well Logs	Well Log ID:	1622510
Well Tag:	BJH256	Project Tag:	Not Reported
Notice of Intent #:	RE14122	Date Received:	11-MAY-17
Diameter:	8.25	Casing Depth:	20
Well Completion:	14-MAR-17	Well Owner:	Federal Way High School
Well Type:	Resource Protection	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J241
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000763810**

Database:	Ecology Well Logs	Well Log ID:	1622517
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	EE06509	Date Received:	11-MAY-17
Diameter:	8.25	Casing Depth:	18
Well Completion:	03-MAR-17	Well Owner:	Federal Way High School
Well Type:	Resource Protection	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J242
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000763812**

Database:	Ecology Well Logs	Well Log ID:	1622519
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	EE06509	Date Received:	11-MAY-17
Diameter:	8.25	Casing Depth:	20
Well Completion:	14-MAR-17	Well Owner:	Federal Way High School
Well Type:	Resource Protection	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J243
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000763811**

Database:	Ecology Well Logs	Well Log ID:	1622518
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	EE06509	Date Received:	11-MAY-17
Diameter:	8.25	Casing Depth:	20

Well Completion:	07-MAR-17	Well Owner:	Federal Way High School
Well Type:	Resource Protection	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J244
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000763803**

Database:	Ecology Well Logs	Well Log ID:	1622509
Well Tag:	BJH255	Project Tag:	Not Reported
Notice of Intent #:	RE14122	Date Received:	11-MAY-17
Diameter:	8.25	Casing Depth:	20
Well Completion:	14-MAR-17	Well Owner:	Federal Way High School
Well Type:	Resource Protection	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J245
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000220465**

Database:	Ecology Well Logs	Well Log ID:	288732
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	Not Reported
Diameter:	8	Casing Depth:	0
Well Completion:	Not Reported	Well Owner:	Federal Way High School
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J246
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000220464**

Database:	Ecology Well Logs	Well Log ID:	288731
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	Not Reported
Diameter:	8	Casing Depth:	0
Well Completion:	Not Reported	Well Owner:	Federal Way High School
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

J247
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000763180**

Database:	Ecology Well Logs	Well Log ID:	1621886
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE42237	Date Received:	11-MAY-17
Diameter:	8.25	Casing Depth:	20
Well Completion:	10-MAR-17	Well Owner:	Federal Way High School
Well Type:	Decommisioning	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J248
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000763802**

Database:	Ecology Well Logs	Well Log ID:	1622508
Well Tag:	BJH253	Project Tag:	Not Reported
Notice of Intent #:	RE14122	Date Received:	11-MAY-17
Diameter:	8.25	Casing Depth:	20
Well Completion:	14-MAR-17	Well Owner:	Federal Way High School
Well Type:	Resource Protection	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J249
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000763217**

Database:	Ecology Well Logs	Well Log ID:	1621923
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE42237	Date Received:	11-MAY-17
Diameter:	2	Casing Depth:	20
Well Completion:	14-MAR-17	Well Owner:	Federal Way High School
Well Type:	Decommisioning	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J250
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000763820**

Database:	Ecology Well Logs	Well Log ID:	1622527
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE41817	Date Received:	11-MAY-17
Diameter:	8.25	Casing Depth:	18

Well Completion:	03-MAR-17	Well Owner:	Federal Way High School
Well Type:	Decommisioning	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J251
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000763819**

Database:	Ecology Well Logs	Well Log ID:	1622526
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	EE06509	Date Received:	11-MAY-17
Diameter:	8.25	Casing Depth:	20
Well Completion:	14-MAR-17	Well Owner:	Federal Way High School
Well Type:	Resource Protection	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J252
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000763821**

Database:	Ecology Well Logs	Well Log ID:	1622528
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE41817	Date Received:	11-MAY-17
Diameter:	8.25	Casing Depth:	25
Well Completion:	03-MAR-17	Well Owner:	Federal Way High School
Well Type:	Decommisioning	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J253
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000763827**

Database:	Ecology Well Logs	Well Log ID:	1622534
Well Tag:	BJH254	Project Tag:	Not Reported
Notice of Intent #:	RE14122	Date Received:	11-MAY-17
Diameter:	8.25	Casing Depth:	20
Well Completion:	14-MAR-17	Well Owner:	Federal Way High School
Well Type:	Resource Protection	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

J254
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000763822**

Database:	Ecology Well Logs	Well Log ID:	1622529
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE41817	Date Received:	11-MAY-17
Diameter:	8.25	Casing Depth:	20
Well Completion:	14-MAR-17	Well Owner:	Federal Way High School
Well Type:	Decommisioning	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J255
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000763818**

Database:	Ecology Well Logs	Well Log ID:	1622525
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	EE06509	Date Received:	11-MAY-17
Diameter:	8.25	Casing Depth:	20
Well Completion:	14-MAR-17	Well Owner:	Federal Way High School
Well Type:	Resource Protection	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J256
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000763814**

Database:	Ecology Well Logs	Well Log ID:	1622521
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	EE06509	Date Received:	11-MAY-17
Diameter:	8.25	Casing Depth:	20
Well Completion:	14-MAR-17	Well Owner:	Federal Way High School
Well Type:	Resource Protection	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J257
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000763813**

Database:	Ecology Well Logs	Well Log ID:	1622520
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	EE06509	Date Received:	11-MAY-17
Diameter:	8.25	Casing Depth:	20

Well Completion:	14-MAR-17	Well Owner:	Federal Way High School
Well Type:	Resource Protection	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J258
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000763815**

Database:	Ecology Well Logs	Well Log ID:	1622522
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	EE06509	Date Received:	11-MAY-17
Diameter:	8.25	Casing Depth:	20
Well Completion:	14-MAR-17	Well Owner:	Federal Way High School
Well Type:	Resource Protection	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J259
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000763817**

Database:	Ecology Well Logs	Well Log ID:	1622524
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	EE06509	Date Received:	11-MAY-17
Diameter:	8.25	Casing Depth:	20
Well Completion:	14-MAR-17	Well Owner:	Federal Way High School
Well Type:	Resource Protection	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J260
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000763816**

Database:	Ecology Well Logs	Well Log ID:	1622523
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	EE06509	Date Received:	11-MAY-17
Diameter:	8.25	Casing Depth:	20
Well Completion:	14-MAR-17	Well Owner:	Federal Way High School
Well Type:	Resource Protection	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

J261
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000763907**

Database:	Ecology Well Logs	Well Log ID:	1622615
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE41817	Date Received:	11-MAY-17
Diameter:	8.25	Casing Depth:	20
Well Completion:	14-MAR-17	Well Owner:	Federal Way High School
Well Type:	Decommisioning	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J262
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000791084**

Database:	Ecology Well Logs	Well Log ID:	1696135
Well Tag:	BKS702	Project Tag:	Not Reported
Notice of Intent #:	AE42575	Date Received:	18-AUG-17
Diameter:	4	Casing Depth:	19
Well Completion:	26-APR-17	Well Owner:	Federal Way Public Schoos
Well Type:	Decommisioning	Driller #:	3220
Static Level:	10	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J263
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000791083**

Database:	Ecology Well Logs	Well Log ID:	1696134
Well Tag:	BKS999	Project Tag:	Not Reported
Notice of Intent #:	RE14230	Date Received:	18-AUG-17
Diameter:	4	Casing Depth:	18
Well Completion:	20-APR-17	Well Owner:	Federal Way Public Schoos
Well Type:	Resource Protection	Driller #:	3220
Static Level:	10	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J264
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000791088**

Database:	Ecology Well Logs	Well Log ID:	1696139
Well Tag:	BKS706	Project Tag:	Not Reported
Notice of Intent #:	RE14230	Date Received:	18-AUG-17
Diameter:	4	Casing Depth:	18.5

Well Completion:	27-APR-17	Well Owner:	Federal Way Public Schoos
Well Type:	Resource Protection	Driller #:	3220
Static Level:	10	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J265
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000793880**

Database:	Ecology Well Logs	Well Log ID:	1696081
Well Tag:	BKS703	Project Tag:	Not Reported
Notice of Intent #:	RE14230	Date Received:	18-AUG-17
Diameter:	4	Casing Depth:	19
Well Completion:	26-APR-17	Well Owner:	Federal Way Public Schoos
Well Type:	Resource Protection	Driller #:	3220
Static Level:	10	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J266
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000793879**

Database:	Ecology Well Logs	Well Log ID:	1696080
Well Tag:	BKS701	Project Tag:	Not Reported
Notice of Intent #:	RE14230	Date Received:	18-AUG-17
Diameter:	4	Casing Depth:	17
Well Completion:	25-APR-17	Well Owner:	Federal Way Public Schoos
Well Type:	Resource Protection	Driller #:	3220
Static Level:	10	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J267
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000791082**

Database:	Ecology Well Logs	Well Log ID:	1696133
Well Tag:	BKS995	Project Tag:	Not Reported
Notice of Intent #:	RE14230	Date Received:	18-AUG-17
Diameter:	4	Casing Depth:	19
Well Completion:	24-APR-17	Well Owner:	Federal Way Public Schoos
Well Type:	Resource Protection	Driller #:	3220
Static Level:	10	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

J268
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000791076**

Database:	Ecology Well Logs	Well Log ID:	1696115
Well Tag:	BKS704	Project Tag:	Not Reported
Notice of Intent #:	AE42575	Date Received:	18-AUG-17
Diameter:	4	Casing Depth:	19
Well Completion:	27-APR-17	Well Owner:	Federal Way Public Schoos
Well Type:	Decommisioning	Driller #:	3220
Static Level:	10	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J269
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000791075**

Database:	Ecology Well Logs	Well Log ID:	1696114
Well Tag:	BKS701	Project Tag:	Not Reported
Notice of Intent #:	AE42575	Date Received:	18-AUG-17
Diameter:	4	Casing Depth:	17
Well Completion:	25-APR-17	Well Owner:	Federal Way Public Schoos
Well Type:	Decommisioning	Driller #:	3220
Static Level:	10	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J270
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000791077**

Database:	Ecology Well Logs	Well Log ID:	1696116
Well Tag:	BKS707	Project Tag:	Not Reported
Notice of Intent #:	AE42575	Date Received:	18-AUG-17
Diameter:	4	Casing Depth:	19
Well Completion:	27-APR-17	Well Owner:	Federal Way Public Schoos
Well Type:	Decommisioning	Driller #:	3220
Static Level:	10	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J271
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000791081**

Database:	Ecology Well Logs	Well Log ID:	1696132
Well Tag:	BKS707	Project Tag:	Not Reported
Notice of Intent #:	RE14230	Date Received:	18-AUG-17
Diameter:	4	Casing Depth:	19

Well Completion:	27-APR-17	Well Owner:	Federal Way Public Schoos
Well Type:	Resource Protection	Driller #:	3220
Static Level:	10	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J272
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000791079**

Database:	Ecology Well Logs	Well Log ID:	1696130
Well Tag:	BKS708	Project Tag:	Not Reported
Notice of Intent #:	RE14230	Date Received:	18-AUG-17
Diameter:	4	Casing Depth:	19
Well Completion:	28-APR-17	Well Owner:	Federal Way Public Schoos
Well Type:	Resource Protection	Driller #:	3220
Static Level:	10	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J273
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000793888**

Database:	Ecology Well Logs	Well Log ID:	1696089
Well Tag:	BKS703	Project Tag:	Not Reported
Notice of Intent #:	AE42575	Date Received:	18-AUG-17
Diameter:	4	Casing Depth:	19
Well Completion:	26-APR-17	Well Owner:	Federal Way Public Schoos
Well Type:	Decommisioning	Driller #:	3220
Static Level:	10	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J274
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000793887**

Database:	Ecology Well Logs	Well Log ID:	1696088
Well Tag:	BKS998	Project Tag:	Not Reported
Notice of Intent #:	AE42575	Date Received:	18-AUG-17
Diameter:	4	Casing Depth:	20.5
Well Completion:	25-APR-17	Well Owner:	Federal Way Public Schoos
Well Type:	Decommisioning	Driller #:	3220
Static Level:	10	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

J275
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000793889**

Database:	Ecology Well Logs	Well Log ID:	1696090
Well Tag:	BKS704	Project Tag:	Not Reported
Notice of Intent #:	AE42575	Date Received:	18-AUG-17
Diameter:	4	Casing Depth:	19
Well Completion:	26-APR-17	Well Owner:	Federal Way Public Schoos
Well Type:	Decommisioning	Driller #:	3220
Static Level:	10	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J276
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000793891**

Database:	Ecology Well Logs	Well Log ID:	1696092
Well Tag:	BKS708	Project Tag:	Not Reported
Notice of Intent #:	AE42575	Date Received:	18-AUG-17
Diameter:	4	Casing Depth:	19
Well Completion:	28-APR-17	Well Owner:	Federal Way Public Schoos
Well Type:	Decommisioning	Driller #:	3220
Static Level:	10	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J277
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000793890**

Database:	Ecology Well Logs	Well Log ID:	1696091
Well Tag:	BKS706	Project Tag:	Not Reported
Notice of Intent #:	AE42575	Date Received:	18-AUG-17
Diameter:	4	Casing Depth:	18.5
Well Completion:	27-APR-17	Well Owner:	Federal Way Public Schoos
Well Type:	Decommisioning	Driller #:	3220
Static Level:	10	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J278
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000793886**

Database:	Ecology Well Logs	Well Log ID:	1696087
Well Tag:	BKS997	Project Tag:	Not Reported
Notice of Intent #:	AE42575	Date Received:	18-AUG-17
Diameter:	4	Casing Depth:	19

Well Completion:	25-APR-17	Well Owner:	Federal Way Public Schoos
Well Type:	Decommisioning	Driller #:	3220
Static Level:	10	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J279
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000793882**

Database:	Ecology Well Logs	Well Log ID:	1696083
Well Tag:	BKS999	Project Tag:	Not Reported
Notice of Intent #:	AE42575	Date Received:	18-AUG-17
Diameter:	4	Casing Depth:	18
Well Completion:	20-APR-17	Well Owner:	Federal Way Public Schoos
Well Type:	Decommisioning	Driller #:	3220
Static Level:	10	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J280
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000793881**

Database:	Ecology Well Logs	Well Log ID:	1696082
Well Tag:	BKS705	Project Tag:	Not Reported
Notice of Intent #:	RE14230	Date Received:	18-AUG-17
Diameter:	4	Casing Depth:	19
Well Completion:	27-APR-17	Well Owner:	Federal Way Public Schoos
Well Type:	Resource Protection	Driller #:	3220
Static Level:	10	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J281
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000793883**

Database:	Ecology Well Logs	Well Log ID:	1696084
Well Tag:	BKS992	Project Tag:	Not Reported
Notice of Intent #:	AE42575	Date Received:	18-AUG-17
Diameter:	4	Casing Depth:	18
Well Completion:	21-APR-17	Well Owner:	Federal Way Public Schoos
Well Type:	Decommisioning	Driller #:	3220
Static Level:	10	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database | EDR ID Number

J282
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000793885**

Database:	Ecology Well Logs	Well Log ID:	1696086
Well Tag:	BKS995	Project Tag:	Not Reported
Notice of Intent #:	AE42575	Date Received:	18-AUG-17
Diameter:	4	Casing Depth:	19
Well Completion:	24-APR-17	Well Owner:	Federal Way Public Schoos
Well Type:	Decommisioning	Driller #:	3220
Static Level:	10	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J283
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000793884**

Database:	Ecology Well Logs	Well Log ID:	1696085
Well Tag:	BKS993	Project Tag:	Not Reported
Notice of Intent #:	AE42575	Date Received:	18-AUG-17
Diameter:	4	Casing Depth:	20
Well Completion:	24-APR-17	Well Owner:	Federal Way Public Schoos
Well Type:	Decommisioning	Driller #:	3220
Static Level:	10	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J284
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000768531**

Database:	Ecology Well Logs	Well Log ID:	1628117
Well Tag:	BJH258	Project Tag:	Not Reported
Notice of Intent #:	AE43184	Date Received:	26-JUN-17
Diameter:	8.25	Casing Depth:	20
Well Completion:	26-MAY-17	Well Owner:	Federal Way High School
Well Type:	Decommisioning	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J285
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000768530**

Database:	Ecology Well Logs	Well Log ID:	1628094
Well Tag:	BKA191	Project Tag:	Not Reported
Notice of Intent #:	RE14377	Date Received:	26-JUN-17
Diameter:	8.25	Casing Depth:	20

Well Completion:	26-MAY-17	Well Owner:	Federal Way High School
Well Type:	Resource Protection	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J286
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000768532**

Database:	Ecology Well Logs	Well Log ID:	1628118
Well Tag:	BKA192	Project Tag:	Not Reported
Notice of Intent #:	RE14377	Date Received:	26-JUN-17
Diameter:	8.25	Casing Depth:	20
Well Completion:	26-MAY-17	Well Owner:	Federal Way High School
Well Type:	Resource Protection	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J287
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000777324**

Database:	Ecology Well Logs	Well Log ID:	1695967
Well Tag:	BKS991	Project Tag:	Not Reported
Notice of Intent #:	RE14230	Date Received:	18-AUG-17
Diameter:	4	Casing Depth:	18
Well Completion:	21-APR-17	Well Owner:	Federal Way Public Schoos
Well Type:	Resource Protection	Driller #:	3220
Static Level:	10	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J288
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000768533**

Database:	Ecology Well Logs	Well Log ID:	1628134
Well Tag:	BKA189	Project Tag:	Not Reported
Notice of Intent #:	RE14377	Date Received:	26-JUN-17
Diameter:	8.25	Casing Depth:	20
Well Completion:	24-MAY-17	Well Owner:	Federal Way High School
Well Type:	Resource Protection	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

J289
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000768529**

Database:	Ecology Well Logs	Well Log ID:	1628093
Well Tag:	BKA190	Project Tag:	Not Reported
Notice of Intent #:	RE14377	Date Received:	26-JUN-17
Diameter:	8.25	Casing Depth:	20
Well Completion:	24-MAY-17	Well Owner:	Federal Way High School
Well Type:	Resource Protection	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J290
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000763916**

Database:	Ecology Well Logs	Well Log ID:	1622624
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE41817	Date Received:	11-MAY-17
Diameter:	8.25	Casing Depth:	20
Well Completion:	14-MAR-17	Well Owner:	Federal Way High School
Well Type:	Decommisioning	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J291
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000763913**

Database:	Ecology Well Logs	Well Log ID:	1622621
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE41817	Date Received:	11-MAY-17
Diameter:	8.25	Casing Depth:	20
Well Completion:	14-MAR-17	Well Owner:	Federal Way High School
Well Type:	Decommisioning	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J292
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000763920**

Database:	Ecology Well Logs	Well Log ID:	1622628
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE41817	Date Received:	11-MAY-17
Diameter:	8.25	Casing Depth:	20

Well Completion:	14-MAR-17	Well Owner:	Federal Way High School
Well Type:	Decommisioning	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J293
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000768528**

Database:	Ecology Well Logs	Well Log ID:	1628092
Well Tag:	BJH255	Project Tag:	Not Reported
Notice of Intent #:	AE43184	Date Received:	26-JUN-17
Diameter:	2	Casing Depth:	20
Well Completion:	26-MAY-17	Well Owner:	Federal Way High School
Well Type:	Decommisioning	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J294
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000768527**

Database:	Ecology Well Logs	Well Log ID:	1628091
Well Tag:	BJH253	Project Tag:	Not Reported
Notice of Intent #:	AE43184	Date Received:	26-JUN-17
Diameter:	2	Casing Depth:	20
Well Completion:	26-MAY-17	Well Owner:	Federal Way High School
Well Type:	Decommisioning	Driller #:	2867
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J295
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000791071**

Database:	Ecology Well Logs	Well Log ID:	1696110
Well Tag:	BKS702	Project Tag:	Not Reported
Notice of Intent #:	RE14230	Date Received:	18-AUG-17
Diameter:	4	Casing Depth:	19
Well Completion:	26-APR-17	Well Owner:	Federal Way Public Schoos
Well Type:	Resource Protection	Driller #:	3220
Static Level:	10	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

J296
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000791070**

Database:	Ecology Well Logs	Well Log ID:	1696109
Well Tag:	BKS997	Project Tag:	Not Reported
Notice of Intent #:	RE14230	Date Received:	18-AUG-17
Diameter:	4	Casing Depth:	19
Well Completion:	25-APR-17	Well Owner:	Federal Way Public Schoos
Well Type:	Resource Protection	Driller #:	3220
Static Level:	10	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J297
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000791072**

Database:	Ecology Well Logs	Well Log ID:	1696111
Well Tag:	BKS704	Project Tag:	Not Reported
Notice of Intent #:	RE14230	Date Received:	18-AUG-17
Diameter:	4	Casing Depth:	19
Well Completion:	26-APR-17	Well Owner:	Federal Way Public Schoos
Well Type:	Resource Protection	Driller #:	3220
Static Level:	10	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J298
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000791074**

Database:	Ecology Well Logs	Well Log ID:	1696113
Well Tag:	BKS996	Project Tag:	Not Reported
Notice of Intent #:	AE42575	Date Received:	18-AUG-17
Diameter:	4	Casing Depth:	19
Well Completion:	24-APR-17	Well Owner:	Federal Way Public Schoos
Well Type:	Decommisioning	Driller #:	3220
Static Level:	10	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J299
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000791073**

Database:	Ecology Well Logs	Well Log ID:	1696112
Well Tag:	BKS994	Project Tag:	Not Reported
Notice of Intent #:	AE42575	Date Received:	18-AUG-17
Diameter:	4	Casing Depth:	19

Well Completion:	24-APR-17	Well Owner:	Federal Way Public Schoos
Well Type:	Decommisioning	Driller #:	3220
Static Level:	10	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J300
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000791069**

Database:	Ecology Well Logs	Well Log ID:	1696108
Well Tag:	BKS994	Project Tag:	Not Reported
Notice of Intent #:	RE14230	Date Received:	18-AUG-17
Diameter:	4	Casing Depth:	19
Well Completion:	24-APR-17	Well Owner:	Federal Way Public Schoos
Well Type:	Resource Protection	Driller #:	3220
Static Level:	10	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J301
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000777403**

Database:	Ecology Well Logs	Well Log ID:	1696079
Well Tag:	BKS996	Project Tag:	Not Reported
Notice of Intent #:	RE14230	Date Received:	18-AUG-17
Diameter:	4	Casing Depth:	19
Well Completion:	24-APR-17	Well Owner:	Federal Way Public Schoos
Well Type:	Resource Protection	Driller #:	3220
Static Level:	10	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J302
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000777402**

Database:	Ecology Well Logs	Well Log ID:	1696078
Well Tag:	BKS993	Project Tag:	Not Reported
Notice of Intent #:	RE14230	Date Received:	18-AUG-17
Diameter:	4	Casing Depth:	20
Well Completion:	24-APR-17	Well Owner:	Federal Way Public Schoos
Well Type:	Resource Protection	Driller #:	3220
Static Level:	10	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

J303
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000778102**

Database:	Ecology Well Logs	Well Log ID:	1695869
Well Tag:	BKS992	Project Tag:	Not Reported
Notice of Intent #:	RE14230	Date Received:	18-AUG-17
Diameter:	4	Casing Depth:	18
Well Completion:	21-APR-17	Well Owner:	Federal Way Public Schoos
Well Type:	Resource Protection	Driller #:	3220
Static Level:	10	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J304
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000778197**

Database:	Ecology Well Logs	Well Log ID:	1696129
Well Tag:	BKS991	Project Tag:	Not Reported
Notice of Intent #:	AE42575	Date Received:	18-AUG-17
Diameter:	4	Casing Depth:	18
Well Completion:	21-APR-17	Well Owner:	Federal Way Public Schoos
Well Type:	Decommisioning	Driller #:	3220
Static Level:	10	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

J305
SSW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000778196**

Database:	Ecology Well Logs	Well Log ID:	1696128
Well Tag:	BKS998	Project Tag:	Not Reported
Notice of Intent #:	RE14230	Date Received:	18-AUG-17
Diameter:	4	Casing Depth:	20.5
Well Completion:	25-APR-17	Well Owner:	Federal Way Public Schoos
Well Type:	Resource Protection	Driller #:	3220
Static Level:	10	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

306
West
1/2 - 1 Mile
Lower

WA WELLS **WA1100000019783**

Database:	Water Wells	PWS ID:	47383
Source #:	01	Source Name:	Well 01
Source Status:	Active	Source Type:	Ground Water - Well
Source Use:	Permanent	Date Source Effective:	01/01/1970

Date Source Inactive:	Not Reported	Water Resource Inventory Area:	Duwamish-Green
Well Depth:	106	Source Susceptibility:	X
System Name:	LINE,B.L.	Public Water System Group:	B
System Type:	Group B Water System	Full Time Res Pop:	5
Total Population Served:	5	Total Connections:	2
PWS Status:	Active	Residential Connections:	2
DOE Well Tag:	Not Reported	Capacity (GPM):	15
Influenced by Droughts:	Not Reported	Influenced by Flooding:	Not Reported
Influenced by Surface Water:	U		

K307
West
1/2 - 1 Mile
Lower

WA WELLS **WALOG1000467866**

Database:	Ecology Well Logs	Well Log ID:	614362
Well Tag:	BBE869	Project Tag:	Not Reported
Notice of Intent #:	RE03741	Date Received:	17-SEP-09
Diameter:	2	Casing Depth:	190
Well Completion:	12-AUG-09	Well Owner:	Lakehaven Utility District | Boart Longyear
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

K308
West
1/2 - 1 Mile
Lower

WA WELLS **WALOG1000467867**

Database:	Ecology Well Logs	Well Log ID:	614364
Well Tag:	BBE833	Project Tag:	Not Reported
Notice of Intent #:	RE03634	Date Received:	17-SEP-09
Diameter:	2	Casing Depth:	90
Well Completion:	07-AUG-09	Well Owner:	Lakehaven Utility District | Boart Longyear
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

L309
SW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000004098**

Database:	Ecology Well Logs	Well Log ID:	1745804
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE50190	Date Received:	22-AUG-18
Diameter:	8	Casing Depth:	21.4166660309
Well Completion:	27-JUL-18	Well Owner:	Federal Way School District
Well Type:	Decommisioning	Driller #:	3271
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
L310 **SW** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000004097**

Database:	Ecology Well Logs	Well Log ID:	1745803
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE66944	Date Received:	22-AUG-18
Diameter:	8	Casing Depth:	21.4166660309
Well Completion:	27-JUL-18	Well Owner:	Federal Way School District
Well Type:	Resource Protection	Driller #:	3271
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
L311 **SW** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000004099**

Database:	Ecology Well Logs	Well Log ID:	1745805
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE50190	Date Received:	22-AUG-18
Diameter:	8	Casing Depth:	21.4166660309
Well Completion:	27-JUL-18	Well Owner:	Federal Way School District
Well Type:	Decommisioning	Driller #:	3271
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
L312 **SW** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000004101**

Database:	Ecology Well Logs	Well Log ID:	1745807
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE50190	Date Received:	22-AUG-18
Diameter:	8	Casing Depth:	21.4166660309
Well Completion:	27-JUL-18	Well Owner:	Federal Way School District
Well Type:	Decommisioning	Driller #:	3271
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
L313 **SW** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000004100**

Database:	Ecology Well Logs	Well Log ID:	1745806
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE50190	Date Received:	22-AUG-18
Diameter:	8	Casing Depth:	21.4166660309

Well Completion:	27-JUL-18	Well Owner:	Federal Way School District
Well Type:	Decommisioning	Driller #:	3271
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

L314
SW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000004096**

Database:	Ecology Well Logs	Well Log ID:	1745802
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE66944	Date Received:	22-AUG-18
Diameter:	8	Casing Depth:	21.4166660309
Well Completion:	27-JUL-18	Well Owner:	Federal Way School District
Well Type:	Resource Protection	Driller #:	3271
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

L315
SW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000004092**

Database:	Ecology Well Logs	Well Log ID:	1745798
Well Tag:	Not Reported	Project Tag:	bkh 544
Notice of Intent #:	AE50190	Date Received:	22-AUG-18
Diameter:	8	Casing Depth:	101.416664124
Well Completion:	27-JUL-18	Well Owner:	Federal Way School District
Well Type:	Decommisioning	Driller #:	3271
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

L316
SW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000004091**

Database:	Ecology Well Logs	Well Log ID:	1745797
Well Tag:	Not Reported	Project Tag:	bkh 544
Notice of Intent #:	SE66944	Date Received:	22-AUG-18
Diameter:	8	Casing Depth:	101.416664124
Well Completion:	27-JUL-18	Well Owner:	Federal Way School District
Well Type:	Resource Protection	Driller #:	3271
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

L317
SW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000004093**

Database:	Ecology Well Logs	Well Log ID:	1745799
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE66944	Date Received:	22-AUG-18
Diameter:	8	Casing Depth:	21.4166660309
Well Completion:	27-JUL-18	Well Owner:	Federal Way School District
Well Type:	Resource Protection	Driller #:	3271
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

L318
SW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000004095**

Database:	Ecology Well Logs	Well Log ID:	1745801
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE66944	Date Received:	22-AUG-18
Diameter:	8	Casing Depth:	21.4166660309
Well Completion:	27-JUL-18	Well Owner:	Federal Way School District
Well Type:	Resource Protection	Driller #:	3271
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

L319
SW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000004094**

Database:	Ecology Well Logs	Well Log ID:	1745800
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE66944	Date Received:	22-AUG-18
Diameter:	8	Casing Depth:	21.4166660309
Well Completion:	27-JUL-18	Well Owner:	Federal Way School District
Well Type:	Resource Protection	Driller #:	3271
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

L320
SW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000641480**

Database:	Ecology Well Logs	Well Log ID:	948595
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE30311	Date Received:	26-JAN-15
Diameter:	8	Casing Depth:	11

Well Completion:	21-JAN-15	Well Owner:	Fereral Way Boys And Girls Club
Well Type:	Decommisioning	Driller #:	2922
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

L321
SW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000641474**

Database:	Ecology Well Logs	Well Log ID:	948585
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE53682	Date Received:	26-JAN-15
Diameter:	8	Casing Depth:	11
Well Completion:	21-JAN-15	Well Owner:	Fereral Way Boys And Girls Club
Well Type:	Resource Protection	Driller #:	2922
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

L322
SW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000641481**

Database:	Ecology Well Logs	Well Log ID:	948596
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE30311	Date Received:	26-JAN-15
Diameter:	8	Casing Depth:	11
Well Completion:	21-JAN-15	Well Owner:	Fereral Way Boys And Girls Club
Well Type:	Decommisioning	Driller #:	2922
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

L323
SW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000641483**

Database:	Ecology Well Logs	Well Log ID:	948598
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE30311	Date Received:	26-JAN-15
Diameter:	8	Casing Depth:	11
Well Completion:	21-JAN-15	Well Owner:	Fereral Way Boys And Girls Club
Well Type:	Decommisioning	Driller #:	2922
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

L324
SW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000641482**

Database:	Ecology Well Logs	Well Log ID:	948597
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE30311	Date Received:	26-JAN-15
Diameter:	8	Casing Depth:	11
Well Completion:	21-JAN-15	Well Owner:	Fereral Way Boys And Girls Club
Well Type:	Decommisioning	Driller #:	2922
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

L325
SW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000641473**

Database:	Ecology Well Logs	Well Log ID:	948584
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE53682	Date Received:	26-JAN-15
Diameter:	8	Casing Depth:	11
Well Completion:	21-JAN-15	Well Owner:	Fereral Way Boys And Girls Club
Well Type:	Resource Protection	Driller #:	2922
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

L326
SW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000004103**

Database:	Ecology Well Logs	Well Log ID:	1745809
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE66944	Date Received:	22-AUG-18
Diameter:	8	Casing Depth:	21.4166660309
Well Completion:	27-JUL-18	Well Owner:	Federal Way School District
Well Type:	Resource Protection	Driller #:	3271
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

L327
SW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000004102**

Database:	Ecology Well Logs	Well Log ID:	1745808
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE50190	Date Received:	22-AUG-18
Diameter:	8	Casing Depth:	21.4166660309

Well Completion:	27-JUL-18	Well Owner:	Federal Way School District
Well Type:	Decommisioning	Driller #:	3271
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

L328
SW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000004104**

Database:	Ecology Well Logs	Well Log ID:	1745810
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE50190	Date Received:	22-AUG-18
Diameter:	8	Casing Depth:	21.4166660309
Well Completion:	27-JUL-18	Well Owner:	Federal Way School District
Well Type:	Decommisioning	Driller #:	3271
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

L329
SW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000641472**

Database:	Ecology Well Logs	Well Log ID:	948583
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE53682	Date Received:	26-JAN-15
Diameter:	8	Casing Depth:	11
Well Completion:	21-JAN-15	Well Owner:	Fereral Way Boys And Girls Club
Well Type:	Resource Protection	Driller #:	2922
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

L330
SW
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000641471**

Database:	Ecology Well Logs	Well Log ID:	948582
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE53682	Date Received:	26-JAN-15
Diameter:	8	Casing Depth:	11
Well Completion:	21-JAN-15	Well Owner:	Fereral Way Boys And Girls Club
Well Type:	Resource Protection	Driller #:	2922
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
M331 **ESE** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000000961**

Database:	Ecology Well Logs	Well Log ID:	1763131
Well Tag:	Not Reported	Project Tag:	WW-03
Notice of Intent #:	SE67284	Date Received:	06-SEP-18
Diameter:	2.375	Casing Depth:	13
Well Completion:	29-AUG-18	Well Owner:	Federal Way School District
Well Type:	Resource Protection	Driller #:	3264
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
M332 **ESE** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000000960**

Database:	Ecology Well Logs	Well Log ID:	1763130
Well Tag:	Not Reported	Project Tag:	WW-02
Notice of Intent #:	AE50746	Date Received:	06-SEP-18
Diameter:	2.375	Casing Depth:	17
Well Completion:	29-AUG-18	Well Owner:	Federal Way School District
Well Type:	Decommisioning	Driller #:	3264
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
M333 **ESE** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000000962**

Database:	Ecology Well Logs	Well Log ID:	1763132
Well Tag:	Not Reported	Project Tag:	WW-03
Notice of Intent #:	AE50746	Date Received:	06-SEP-18
Diameter:	2.375	Casing Depth:	13
Well Completion:	29-AUG-18	Well Owner:	Federal Way School District
Well Type:	Decommisioning	Driller #:	3264
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
M334 **ESE** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000004080**

Database:	Ecology Well Logs	Well Log ID:	1745786
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE50189	Date Received:	22-AUG-18
Diameter:	8	Casing Depth:	21.4166660309

Well Completion:	26-JUL-18	Well Owner:	Federal Way School District
Well Type:	Decommisioning	Driller #:	3271
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

M335
ESE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000004079**

Database:	Ecology Well Logs	Well Log ID:	1745785
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE66943	Date Received:	22-AUG-18
Diameter:	8	Casing Depth:	21.4166660309
Well Completion:	26-JUL-18	Well Owner:	Federal Way School District
Well Type:	Resource Protection	Driller #:	3271
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

M336
ESE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000000889**

Database:	Ecology Well Logs	Well Log ID:	1763049
Well Tag:	Not Reported	Project Tag:	WW-04
Notice of Intent #:	AE50746	Date Received:	06-SEP-18
Diameter:	2.375	Casing Depth:	15
Well Completion:	29-AUG-18	Well Owner:	Federal Way School District
Well Type:	Decommisioning	Driller #:	3264
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

M337
ESE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000000888**

Database:	Ecology Well Logs	Well Log ID:	1763048
Well Tag:	Not Reported	Project Tag:	WW-04
Notice of Intent #:	SE67284	Date Received:	06-SEP-18
Diameter:	2.375	Casing Depth:	15
Well Completion:	29-AUG-18	Well Owner:	Federal Way School District
Well Type:	Resource Protection	Driller #:	3264
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database | EDR ID Number

M338
ESE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000000957**

Database:	Ecology Well Logs	Well Log ID:	1763127
Well Tag:	Not Reported	Project Tag:	WW-01
Notice of Intent #:	SE67284	Date Received:	06-SEP-18
Diameter:	2.375	Casing Depth:	16
Well Completion:	29-AUG-18	Well Owner:	Federal Way School District
Well Type:	Resource Protection	Driller #:	3264
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

M339
ESE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000000959**

Database:	Ecology Well Logs	Well Log ID:	1763129
Well Tag:	Not Reported	Project Tag:	WW-02
Notice of Intent #:	SE67284	Date Received:	06-SEP-18
Diameter:	2.375	Casing Depth:	17
Well Completion:	29-AUG-18	Well Owner:	Federal Way School District
Well Type:	Resource Protection	Driller #:	3264
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

M340
ESE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000000958**

Database:	Ecology Well Logs	Well Log ID:	1763128
Well Tag:	Not Reported	Project Tag:	WW-01
Notice of Intent #:	AE50746	Date Received:	06-SEP-18
Diameter:	2.375	Casing Depth:	16
Well Completion:	29-AUG-18	Well Owner:	Federal Way School District
Well Type:	Decommisioning	Driller #:	3264
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

M341
ESE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000004087**

Database:	Ecology Well Logs	Well Log ID:	1745793
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE50189	Date Received:	22-AUG-18
Diameter:	8	Casing Depth:	25.4166660309

Well Completion:	26-JUL-18	Well Owner:	Federal Way School District
Well Type:	Decommisioning	Driller #:	3271
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

M342
ESE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000004086**

Database:	Ecology Well Logs	Well Log ID:	1745792
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE66943	Date Received:	22-AUG-18
Diameter:	8	Casing Depth:	25.4166660309
Well Completion:	26-JUL-18	Well Owner:	Federal Way School District
Well Type:	Resource Protection	Driller #:	3271
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

M343
ESE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000004088**

Database:	Ecology Well Logs	Well Log ID:	1745794
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE50189	Date Received:	22-AUG-18
Diameter:	8	Casing Depth:	25.4166660309
Well Completion:	26-JUL-18	Well Owner:	Federal Way School District
Well Type:	Decommisioning	Driller #:	3271
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

M344
ESE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000004090**

Database:	Ecology Well Logs	Well Log ID:	1745796
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE50189	Date Received:	22-AUG-18
Diameter:	8	Casing Depth:	16.4166660309
Well Completion:	26-JUL-18	Well Owner:	Federal Way School District
Well Type:	Decommisioning	Driller #:	3271
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database | EDR ID Number

M345
ESE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000004089**

Database:	Ecology Well Logs	Well Log ID:	1745795
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE66943	Date Received:	22-AUG-18
Diameter:	8	Casing Depth:	16.4166660309
Well Completion:	26-JUL-18	Well Owner:	Federal Way School District
Well Type:	Resource Protection	Driller #:	3271
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

M346
ESE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000004082**

Database:	Ecology Well Logs	Well Log ID:	1745788
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE66943	Date Received:	22-AUG-18
Diameter:	8	Casing Depth:	20
Well Completion:	26-JUL-18	Well Owner:	Federal Way School District
Well Type:	Resource Protection	Driller #:	3271
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

M347
ESE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000004081**

Database:	Ecology Well Logs	Well Log ID:	1745787
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE66943	Date Received:	22-AUG-18
Diameter:	8	Casing Depth:	20
Well Completion:	26-JUL-18	Well Owner:	Federal Way School District
Well Type:	Resource Protection	Driller #:	3271
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

M348
ESE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000004083**

Database:	Ecology Well Logs	Well Log ID:	1745789
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE50189	Date Received:	22-AUG-18
Diameter:	8	Casing Depth:	20

Well Completion:	26-JUL-18	Well Owner:	Federal Way School District
Well Type:	Decommisioning	Driller #:	3271
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

M349
ESE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000004085**

Database:	Ecology Well Logs	Well Log ID:	1745791
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE66943	Date Received:	22-AUG-18
Diameter:	8	Casing Depth:	25.4166660309
Well Completion:	26-JUL-18	Well Owner:	Federal Way School District
Well Type:	Resource Protection	Driller #:	3271
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

M350
ESE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000004084**

Database:	Ecology Well Logs	Well Log ID:	1745790
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE50189	Date Received:	22-AUG-18
Diameter:	8	Casing Depth:	20
Well Completion:	26-JUL-18	Well Owner:	Federal Way School District
Well Type:	Decommisioning	Driller #:	3271
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

N351
North
1/2 - 1 Mile
Lower

FED USGS **USGS40001255539**

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	22N/04E-32R01	Type:	Well
Description:	Not Reported	HUC:	17110019
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19610126
Well Depth:	226	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1961-01-26
Feet below surface:	193	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

O352
North
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000300650**

Database:	Ecology Well Logs	Well Log ID:	381580
Well Tag:	ALA331	Project Tag:	Not Reported
Notice of Intent #:	RE00881	Date Received:	14-JUN-04
Diameter:	8	Casing Depth:	35
Well Completion:	04-JUN-04	Well Owner:	City Of Federal Way
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

O353
North
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000300649**

Database:	Ecology Well Logs	Well Log ID:	381579
Well Tag:	ALA329	Project Tag:	Not Reported
Notice of Intent #:	RE00881	Date Received:	14-JUN-04
Diameter:	8	Casing Depth:	27.5
Well Completion:	04-JUN-04	Well Owner:	City Of Federal Way
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

O354
North
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000300653**

Database:	Ecology Well Logs	Well Log ID:	381583
Well Tag:	ALA323	Project Tag:	Not Reported
Notice of Intent #:	RE00877	Date Received:	14-JUN-04
Diameter:	6	Casing Depth:	21
Well Completion:	26-MAY-04	Well Owner:	City Of Federal Way
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

O355
North
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000300652**

Database:	Ecology Well Logs	Well Log ID:	381582
Well Tag:	ALA322	Project Tag:	Not Reported
Notice of Intent #:	RE00877	Date Received:	14-JUN-04
Diameter:	6	Casing Depth:	20

Well Completion:	26-MAY-04	Well Owner:	City Of Federal Way
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

O356
North
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000177519**

Database:	Ecology Well Logs	Well Log ID:	202072
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	019825	Date Received:	15-DEC-89
Diameter:	0	Casing Depth:	0
Well Completion:	Not Reported	Well Owner:	Davis & Rollins
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

O357
North
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000177520**

Database:	Ecology Well Logs	Well Log ID:	202073
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	019825	Date Received:	Not Reported
Diameter:	0	Casing Depth:	0
Well Completion:	Not Reported	Well Owner:	Davis & Rollins
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

O358
North
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000300648**

Database:	Ecology Well Logs	Well Log ID:	381578
Well Tag:	ALA328	Project Tag:	Not Reported
Notice of Intent #:	RE00881	Date Received:	14-JUN-04
Diameter:	8	Casing Depth:	37
Well Completion:	04-JUN-04	Well Owner:	City Of Federal Way
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

O359
North
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000089055**

Database:	Ecology Well Logs	Well Log ID:	90271
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	019825	Date Received:	18-DEC-89
Diameter:	3	Casing Depth:	0
Well Completion:	07-DEC-89	Well Owner:	Davis & Rollins
Well Type:	Water	Driller #:	1442
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

O360
North
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000300654**

Database:	Ecology Well Logs	Well Log ID:	381584
Well Tag:	ALA325	Project Tag:	Not Reported
Notice of Intent #:	RE00877	Date Received:	14-JUN-04
Diameter:	6	Casing Depth:	50
Well Completion:	26-MAY-04	Well Owner:	City Of Federal Way
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

O361
North
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000300660**

Database:	Ecology Well Logs	Well Log ID:	381590
Well Tag:	ALA332	Project Tag:	Not Reported
Notice of Intent #:	RE00879	Date Received:	14-JUN-04
Diameter:	8	Casing Depth:	49
Well Completion:	27-MAY-04	Well Owner:	City Of Federal Way
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

O362
North
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000300661**

Database:	Ecology Well Logs	Well Log ID:	381591
Well Tag:	ALA333	Project Tag:	Not Reported
Notice of Intent #:	RE00879	Date Received:	14-JUN-04
Diameter:	8	Casing Depth:	40

Well Completion:	27-MAY-04	Well Owner:	City Of Federal Way
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

O363
North
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000300659**

Database:	Ecology Well Logs	Well Log ID:	381589
Well Tag:	ALA330	Project Tag:	Not Reported
Notice of Intent #:	RE00879	Date Received:	14-JUN-04
Diameter:	8	Casing Depth:	40
Well Completion:	27-MAY-04	Well Owner:	City Of Federal Way
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

O364
North
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000300655**

Database:	Ecology Well Logs	Well Log ID:	381585
Well Tag:	ALA326	Project Tag:	Not Reported
Notice of Intent #:	RE00877	Date Received:	14-JUN-04
Diameter:	6	Casing Depth:	45
Well Completion:	26-MAY-04	Well Owner:	City Of Federal Way
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

O365
North
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000300656**

Database:	Ecology Well Logs	Well Log ID:	381586
Well Tag:	ALA324	Project Tag:	Not Reported
Notice of Intent #:	RE00878	Date Received:	14-JUN-04
Diameter:	8	Casing Depth:	24
Well Completion:	26-MAY-04	Well Owner:	City Of Federal Way
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

N366
NNW
1/2 - 1 Mile
Lower

WA WELLS **WALOG1000089763**

Database:	Ecology Well Logs	Well Log ID:	91035
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	049289	Date Received:	25-FEB-93
Diameter:	6	Casing Depth:	218
Well Completion:	10-FEB-93	Well Owner:	Edd Ahrens
Well Type:	Water	Driller #:	1149
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

P367
NE
1/2 - 1 Mile
Higher

FED USGS **USGS40001255370**

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	21N/04E-04B02	Type:	Well
Description:	Not Reported	HUC:	17110019
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19500608
Well Depth:	246	Well Depth Units:	ft
Well Hole Depth:	246	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1960-10-06
Feet below surface:	176.31	Feet to sea level:	Not Reported
Note:	Not Reported		

O368
North
1/2 - 1 Mile
Higher

FED USGS **USGS40001255552**

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	22N/04E-33N01	Type:	Well
Description:	Not Reported	HUC:	17110019
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19470101
Well Depth:	200	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1947-01-01
Feet below surface:	200	Feet to sea level:	Not Reported
Note:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

P369
NE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000271807**

Database:	Ecology Well Logs	Well Log ID:	348665
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	Not Reported
Diameter:	8	Casing Depth:	246
Well Completion:	Not Reported	Well Owner:	King County Water District #64
Well Type:	Water	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

P370
NE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000283789**

Database:	Ecology Well Logs	Well Log ID:	363281
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	E004610	Date Received:	09-JUN-03
Diameter:	2	Casing Depth:	12
Well Completion:	12-MAR-03	Well Owner:	Robert Karlen | Kane Environmental
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

P371
NE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000246054**

Database:	Ecology Well Logs	Well Log ID:	319692
Well Tag:	AFE976	Project Tag:	Not Reported
Notice of Intent #:	R048427	Date Received:	22-JUN-00
Diameter:	0	Casing Depth:	20
Well Completion:	22-MAY-00	Well Owner:	Safeway Corp
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

P372
NE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000246073**

Database:	Ecology Well Logs	Well Log ID:	319711
Well Tag:	AFE975	Project Tag:	Not Reported
Notice of Intent #:	R048427	Date Received:	22-JUN-00
Diameter:	0	Casing Depth:	20

Well Completion:	22-MAY-00	Well Owner:	Safeway Corp
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

P373
NE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000283792**

Database:	Ecology Well Logs	Well Log ID:	363284
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	A065529	Date Received:	09-JUN-03
Diameter:	2	Casing Depth:	12
Well Completion:	12-MAR-03	Well Owner:	Robert Karlen | Kane Environmental
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

P374
NE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000283793**

Database:	Ecology Well Logs	Well Log ID:	363285
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	A065529	Date Received:	09-JUN-03
Diameter:	2	Casing Depth:	16
Well Completion:	12-MAR-03	Well Owner:	Robert Karlen | Kane Environmental
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

P375
NE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000283790**

Database:	Ecology Well Logs	Well Log ID:	363282
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	E004610	Date Received:	09-JUN-03
Diameter:	2	Casing Depth:	16
Well Completion:	12-MAR-03	Well Owner:	Robert Karlen | Kane Environmental
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

P376
NE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000283791**

Database:	Ecology Well Logs	Well Log ID:	363283
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	E004610	Date Received:	09-JUN-03
Diameter:	2	Casing Depth:	9
Well Completion:	12-MAR-03	Well Owner:	Robert Karlen | Kane Environmental
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

P377
NE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000246053**

Database:	Ecology Well Logs	Well Log ID:	319690
Well Tag:	AFL930	Project Tag:	Not Reported
Notice of Intent #:	R048358	Date Received:	18-MAY-00
Diameter:	0	Casing Depth:	20
Well Completion:	18-APR-00	Well Owner:	Safeway Corp
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

P378
NE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000222488**

Database:	Ecology Well Logs	Well Log ID:	290938
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	R036391	Date Received:	Not Reported
Diameter:	0	Casing Depth:	20
Well Completion:	26-MAY-98	Well Owner:	228th & Military Rd / Chevron
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

P379
NE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000222489**

Database:	Ecology Well Logs	Well Log ID:	290939
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	R036391	Date Received:	Not Reported
Diameter:	0	Casing Depth:	20

Well Completion:	26-MAY-98	Well Owner:	228th & Military Rd / Chevron
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

P380
NE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000102265**

Database:	Ecology Well Logs	Well Log ID:	106194
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	A000788	Date Received:	Not Reported
Diameter:	0	Casing Depth:	0
Well Completion:	10-APR-95	Well Owner:	Pierce Co. Line To Turkwile
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

P381
NE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000222487**

Database:	Ecology Well Logs	Well Log ID:	290937
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	R036391	Date Received:	Not Reported
Diameter:	0	Casing Depth:	20
Well Completion:	26-MAY-98	Well Owner:	228th & Military Rd / Chevron
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

P382
NE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000246051**

Database:	Ecology Well Logs	Well Log ID:	319688
Well Tag:	AFL928	Project Tag:	Not Reported
Notice of Intent #:	R048358	Date Received:	18-MAY-00
Diameter:	0	Casing Depth:	20
Well Completion:	18-APR-00	Well Owner:	Safeway Corp
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
P383 **NE** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000246052**

Database:	Ecology Well Logs	Well Log ID:	319689
Well Tag:	AFL929	Project Tag:	Not Reported
Notice of Intent #:	R048358	Date Received:	18-MAY-00
Diameter:	0	Casing Depth:	20
Well Completion:	18-APR-00	Well Owner:	Safeway Corp
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
P384 **NE** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000246049**

Database:	Ecology Well Logs	Well Log ID:	319686
Well Tag:	AFL926	Project Tag:	Not Reported
Notice of Intent #:	R048358	Date Received:	18-MAY-00
Diameter:	0	Casing Depth:	20
Well Completion:	18-APR-00	Well Owner:	Safeway Corp
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
P385 **NE** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000246050**

Database:	Ecology Well Logs	Well Log ID:	319687
Well Tag:	AGL927	Project Tag:	Not Reported
Notice of Intent #:	R048358	Date Received:	18-MAY-00
Diameter:	0	Casing Depth:	20
Well Completion:	18-APR-00	Well Owner:	Safeway Corp
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
P386 **NE** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000283794**

Database:	Ecology Well Logs	Well Log ID:	363286
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	A065529	Date Received:	09-JUN-03
Diameter:	2	Casing Depth:	8

Well Completion:	12-MAR-03	Well Owner:	Robert Karlen | Kane Environmental
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

P387
NE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000675644**

Database:	Ecology Well Logs	Well Log ID:	1026049
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE31881	Date Received:	15-JUN-15
Diameter:	2	Casing Depth:	20
Well Completion:	14-MAY-15	Well Owner:	Fuel Station
Well Type:	Decommisioning	Driller #:	0
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

P388
NE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000675643**

Database:	Ecology Well Logs	Well Log ID:	1026048
Well Tag:	AFL927	Project Tag:	Not Reported
Notice of Intent #:	AE31881	Date Received:	15-JUN-15
Diameter:	2	Casing Depth:	20
Well Completion:	14-MAY-15	Well Owner:	Fuel Station
Well Type:	Decommisioning	Driller #:	0
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

P389
NE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000675642**

Database:	Ecology Well Logs	Well Log ID:	1026047
Well Tag:	AFL929	Project Tag:	Not Reported
Notice of Intent #:	AE31881	Date Received:	15-JUN-15
Diameter:	2	Casing Depth:	20
Well Completion:	13-MAY-15	Well Owner:	Fuel Station
Well Type:	Decommisioning	Driller #:	0
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

P390
NE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000675656**

Database:	Ecology Well Logs	Well Log ID:	1026065
Well Tag:	AFL928	Project Tag:	Not Reported
Notice of Intent #:	AE31881	Date Received:	15-JUN-15
Diameter:	2	Casing Depth:	20
Well Completion:	13-MAY-15	Well Owner:	Fuel Station
Well Type:	Decommisioning	Driller #:	0
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

P391
NE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000675691**

Database:	Ecology Well Logs	Well Log ID:	1026108
Well Tag:	AFL975	Project Tag:	Not Reported
Notice of Intent #:	AE31881	Date Received:	15-JUN-15
Diameter:	2	Casing Depth:	20
Well Completion:	13-MAY-15	Well Owner:	Fuel Station
Well Type:	Decommisioning	Driller #:	0
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

P392
NE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000675662**

Database:	Ecology Well Logs	Well Log ID:	1026071
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE31881	Date Received:	15-JUN-15
Diameter:	2	Casing Depth:	20
Well Completion:	14-MAY-15	Well Owner:	Fuel Station
Well Type:	Decommisioning	Driller #:	0
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

P393
NE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000675657**

Database:	Ecology Well Logs	Well Log ID:	1026066
Well Tag:	AFL930	Project Tag:	Not Reported
Notice of Intent #:	AE31881	Date Received:	15-JUN-15
Diameter:	2	Casing Depth:	20

Well Completion:	13-MAY-15	Well Owner:	Fuel Station
Well Type:	Decommisioning	Driller #:	0
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

P394
NE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000578205**

Database:	Ecology Well Logs	Well Log ID:	832112
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE19807	Date Received:	05-DEC-12
Diameter:	2	Casing Depth:	16
Well Completion:	27-NOV-12	Well Owner:	Executive House Inc
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

P395
NE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000578204**

Database:	Ecology Well Logs	Well Log ID:	832110
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE46778	Date Received:	05-DEC-12
Diameter:	2	Casing Depth:	16
Well Completion:	27-NOV-12	Well Owner:	Executive House Inc
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

P396
NE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000578203**

Database:	Ecology Well Logs	Well Log ID:	832108
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE46778	Date Received:	05-DEC-12
Diameter:	2	Casing Depth:	16
Well Completion:	27-NOV-12	Well Owner:	Executive House Inc
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

P397
NE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000578206**

Database:	Ecology Well Logs	Well Log ID:	832114
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE19807	Date Received:	05-DEC-12
Diameter:	2	Casing Depth:	16
Well Completion:	27-NOV-12	Well Owner:	Executive House Inc
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

P398
NE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000675640**

Database:	Ecology Well Logs	Well Log ID:	1026045
Well Tag:	AFL976	Project Tag:	Not Reported
Notice of Intent #:	AE31881	Date Received:	15-JUN-15
Diameter:	2	Casing Depth:	20
Well Completion:	13-MAY-15	Well Owner:	Fuel Station
Well Type:	Decommisioning	Driller #:	0
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Applicable	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

P399
NE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000578222**

Database:	Ecology Well Logs	Well Log ID:	832144
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE19972	Date Received:	05-DEC-12
Diameter:	2	Casing Depth:	13
Well Completion:	27-NOV-12	Well Owner:	Executive House Inc
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

P400
NE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000578221**

Database:	Ecology Well Logs	Well Log ID:	832142
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	EE04324	Date Received:	05-DEC-12
Diameter:	2	Casing Depth:	13

Well Completion:	27-NOV-12	Well Owner:	Executive House Inc
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Q401
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000698509**

Database:	Ecology Well Logs	Well Log ID:	1117786
Well Tag:	Not Reported	Project Tag:	B1
Notice of Intent #:	SE56433	Date Received:	23-NOV-15
Diameter:	2.25	Casing Depth:	12
Well Completion:	09-NOV-15	Well Owner:	New Lumber And Hardware
Well Type:	Resource Protection	Driller #:	3152
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Q402
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000698510**

Database:	Ecology Well Logs	Well Log ID:	1117787
Well Tag:	Not Reported	Project Tag:	B2
Notice of Intent #:	SE56433	Date Received:	23-NOV-15
Diameter:	2.25	Casing Depth:	12
Well Completion:	09-NOV-15	Well Owner:	New Lumber And Hardware
Well Type:	Resource Protection	Driller #:	3152
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Q403
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000395654**

Database:	Ecology Well Logs	Well Log ID:	507762
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S023292	Date Received:	16-NOV-07
Diameter:	2	Casing Depth:	11
Well Completion:	31-OCT-07	Well Owner:	Han Seung Han | Adapt Engineering
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
Q404 **South** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000395718**

Database:	Ecology Well Logs	Well Log ID:	507835
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S023292	Date Received:	16-NOV-07
Diameter:	2	Casing Depth:	6
Well Completion:	31-OCT-07	Well Owner:	Han Seung Han
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Q405 **South** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000698511**

Database:	Ecology Well Logs	Well Log ID:	1117788
Well Tag:	Not Reported	Project Tag:	B1
Notice of Intent #:	AE34630	Date Received:	23-NOV-15
Diameter:	2.25	Casing Depth:	12
Well Completion:	09-NOV-15	Well Owner:	New Lumber And Hardware
Well Type:	Decommisioning	Driller #:	3152
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Q406 **South** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000698514**

Database:	Ecology Well Logs	Well Log ID:	1117791
Well Tag:	Not Reported	Project Tag:	B4
Notice of Intent #:	AE34630	Date Received:	23-NOV-15
Diameter:	2.25	Casing Depth:	17
Well Completion:	09-NOV-15	Well Owner:	New Lumber And Hardware
Well Type:	Decommisioning	Driller #:	3152
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Q407 **South** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000772850**

Database:	Ecology Well Logs	Well Log ID:	1681224
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE65174	Date Received:	28-FEB-18
Diameter:	9	Casing Depth:	16

Well Completion:	25-FEB-18	Well Owner:	Buckys Complete Auto Repair
Well Type:	Resource Protection	Driller #:	2823
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Q408
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000698512**

Database:	Ecology Well Logs	Well Log ID:	1117789
Well Tag:	Not Reported	Project Tag:	B2
Notice of Intent #:	AE34630	Date Received:	23-NOV-15
Diameter:	2.25	Casing Depth:	12
Well Completion:	09-NOV-15	Well Owner:	New Lumber And Hardware
Well Type:	Decommisioning	Driller #:	3152
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Q409
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000698513**

Database:	Ecology Well Logs	Well Log ID:	1117790
Well Tag:	Not Reported	Project Tag:	B4
Notice of Intent #:	SE56433	Date Received:	23-NOV-15
Diameter:	2.25	Casing Depth:	17
Well Completion:	09-NOV-15	Well Owner:	New Lumber And Hardware
Well Type:	Resource Protection	Driller #:	3152
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Q410
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000395653**

Database:	Ecology Well Logs	Well Log ID:	507760
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S023292	Date Received:	16-NOV-07
Diameter:	2	Casing Depth:	10.5
Well Completion:	31-OCT-07	Well Owner:	Han Seung Han | Adapt Engineering
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

Q411
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000218636**

Database:	Ecology Well Logs	Well Log ID:	286818
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	Not Reported
Diameter:	0	Casing Depth:	0
Well Completion:	Not Reported	Well Owner:	#14 Shell Station
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Q412
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000218637**

Database:	Ecology Well Logs	Well Log ID:	286819
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	Not Reported
Diameter:	0	Casing Depth:	0
Well Completion:	Not Reported	Well Owner:	#14 Shell Station
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Q413
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000100880**

Database:	Ecology Well Logs	Well Log ID:	104275
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	R036831	Date Received:	23-FEB-98
Diameter:	0	Casing Depth:	0
Well Completion:	Not Reported	Well Owner:	Jack In The Box
Well Type:	Resource Protection	Driller #:	1939
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Q414
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000102934**

Database:	Ecology Well Logs	Well Log ID:	107236
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	29-OCT-93
Diameter:	0	Casing Depth:	0

Well Completion:	08-OCT-93	Well Owner:	Shell
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Q415
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000395648**

Database:	Ecology Well Logs	Well Log ID:	507755
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	A130767	Date Received:	20-NOV-07
Diameter:	1.5	Casing Depth:	5.5
Well Completion:	31-OCT-07	Well Owner:	Han Seung Han | Adapt Engineering
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Q416
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000395651**

Database:	Ecology Well Logs	Well Log ID:	507758
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	A130767	Date Received:	20-NOV-07
Diameter:	2	Casing Depth:	6
Well Completion:	31-OCT-07	Well Owner:	Han Seung Han | Adapt Engineering
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Q417
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000395652**

Database:	Ecology Well Logs	Well Log ID:	507759
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S023292	Date Received:	16-NOV-07
Diameter:	1.5	Casing Depth:	5.5
Well Completion:	31-OCT-07	Well Owner:	Han Seung Han | Adapt Engineering
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
Q418 **South** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000395649**

Database:	Ecology Well Logs	Well Log ID:	507756
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	A130767	Date Received:	20-NOV-07
Diameter:	2	Casing Depth:	10.5
Well Completion:	31-OCT-07	Well Owner:	Han Seung Han | Adapt Engineering
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Q419
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000395650**

Database:	Ecology Well Logs	Well Log ID:	507757
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	A130767	Date Received:	20-NOV-07
Diameter:	2	Casing Depth:	11
Well Completion:	31-OCT-07	Well Owner:	Han Seung Han | Adapt Engineering
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Q420
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000772851**

Database:	Ecology Well Logs	Well Log ID:	1681225
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE65174	Date Received:	28-FEB-18
Diameter:	9	Casing Depth:	16
Well Completion:	25-FEB-18	Well Owner:	Buckys Complete Auto Repair
Well Type:	Resource Protection	Driller #:	2823
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Q421
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000777600**

Database:	Ecology Well Logs	Well Log ID:	1695211
Well Tag:	Not Reported	Project Tag:	B-13
Notice of Intent #:	AE48480	Date Received:	23-APR-18
Diameter:	8	Casing Depth:	24

Well Completion:	18-APR-18	Well Owner:	Buckys Complete Auto Repair
Well Type:	Decommisioning	Driller #:	3208
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Q422
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000777601**

Database:	Ecology Well Logs	Well Log ID:	1695212
Well Tag:	Not Reported	Project Tag:	B-14
Notice of Intent #:	SE65802	Date Received:	23-APR-18
Diameter:	9	Casing Depth:	26
Well Completion:	18-APR-18	Well Owner:	Buckys Complete Auto Repair
Well Type:	Resource Protection	Driller #:	2823
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Q423
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000777599**

Database:	Ecology Well Logs	Well Log ID:	1695210
Well Tag:	Not Reported	Project Tag:	B-13
Notice of Intent #:	SE65802	Date Received:	23-APR-18
Diameter:	8	Casing Depth:	24
Well Completion:	18-APR-18	Well Owner:	Buckys Complete Auto Repair
Well Type:	Resource Protection	Driller #:	3208
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Q424
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000777597**

Database:	Ecology Well Logs	Well Log ID:	1695208
Well Tag:	Not Reported	Project Tag:	B-10
Notice of Intent #:	AE48480	Date Received:	23-APR-18
Diameter:	8	Casing Depth:	25.5
Well Completion:	17-APR-18	Well Owner:	Buckys Complete Auto Repair
Well Type:	Decommisioning	Driller #:	3208
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database | EDR ID Number

Q425
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000777598**

Database:	Ecology Well Logs	Well Log ID:	1695209
Well Tag:	Not Reported	Project Tag:	B-12
Notice of Intent #:	AE48480	Date Received:	23-APR-18
Diameter:	8	Casing Depth:	25.5
Well Completion:	17-APR-18	Well Owner:	Buckys Complete Auto Repair
Well Type:	Decommisioning	Driller #:	3208
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Q426
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000785701**

Database:	Ecology Well Logs	Well Log ID:	1689164
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE65539	Date Received:	02-APR-18
Diameter:	9	Casing Depth:	26.5
Well Completion:	28-MAR-18	Well Owner:	Buckys Complete Auto Repair
Well Type:	Resource Protection	Driller #:	2671
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Q427
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000785702**

Database:	Ecology Well Logs	Well Log ID:	1689165
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE48077	Date Received:	02-APR-18
Diameter:	9	Casing Depth:	26.5
Well Completion:	28-MAR-18	Well Owner:	Buckys Complete Auto Repair
Well Type:	Decommisioning	Driller #:	2671
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Q428
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000780793**

Database:	Ecology Well Logs	Well Log ID:	1705571
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE47500	Date Received:	17-MAY-18
Diameter:	2.25	Casing Depth:	12

Well Completion:	15-FEB-18	Well Owner:	Auto Services Rodda Paint
Well Type:	Decommisioning	Driller #:	3230
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Q429
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000777602**

Database:	Ecology Well Logs	Well Log ID:	1695213
Well Tag:	Not Reported	Project Tag:	B-14
Notice of Intent #:	AE48480	Date Received:	23-APR-18
Diameter:	9	Casing Depth:	26
Well Completion:	18-APR-18	Well Owner:	Buckys Complete Auto Repair
Well Type:	Decommisioning	Driller #:	2823
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Q430
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000780792**

Database:	Ecology Well Logs	Well Log ID:	1705570
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE65143	Date Received:	17-MAY-18
Diameter:	2.25	Casing Depth:	12
Well Completion:	15-FEB-18	Well Owner:	Auto Services Rodda Paint
Well Type:	Resource Protection	Driller #:	3230
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Q431
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000772855**

Database:	Ecology Well Logs	Well Log ID:	1681229
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE47546	Date Received:	28-FEB-18
Diameter:	9	Casing Depth:	16.5
Well Completion:	25-FEB-18	Well Owner:	Buckys Complete Auto Repair
Well Type:	Decommisioning	Driller #:	2823
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

Q432
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000772856**

Database:	Ecology Well Logs	Well Log ID:	1681230
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE65174	Date Received:	28-FEB-18
Diameter:	9	Casing Depth:	26
Well Completion:	25-FEB-18	Well Owner:	Buckys Complete Auto Repair
Well Type:	Resource Protection	Driller #:	2823
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Q433
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000772854**

Database:	Ecology Well Logs	Well Log ID:	1681228
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE65174	Date Received:	28-FEB-18
Diameter:	9	Casing Depth:	16.5
Well Completion:	25-FEB-18	Well Owner:	Buckys Complete Auto Repair
Well Type:	Resource Protection	Driller #:	2823
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Q434
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000772852**

Database:	Ecology Well Logs	Well Log ID:	1681226
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE47546	Date Received:	28-FEB-18
Diameter:	9	Casing Depth:	16
Well Completion:	25-FEB-18	Well Owner:	Buckys Complete Auto Repair
Well Type:	Decommisioning	Driller #:	2823
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Q435
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000772853**

Database:	Ecology Well Logs	Well Log ID:	1681227
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE47546	Date Received:	28-FEB-18
Diameter:	9	Casing Depth:	16

Well Completion:	25-FEB-18	Well Owner:	Buckys Complete Auto Repair
Well Type:	Decommisioning	Driller #:	2823
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Q436
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000777595**

Database:	Ecology Well Logs	Well Log ID:	1695206
Well Tag:	Not Reported	Project Tag:	B-10
Notice of Intent #:	SE65802	Date Received:	23-APR-18
Diameter:	8	Casing Depth:	25.5
Well Completion:	17-APR-18	Well Owner:	Buckys Complete Auto Repair
Well Type:	Resource Protection	Driller #:	3208
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Q437
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000777596**

Database:	Ecology Well Logs	Well Log ID:	1695207
Well Tag:	Not Reported	Project Tag:	B-12
Notice of Intent #:	SE65802	Date Received:	23-APR-18
Diameter:	8	Casing Depth:	25.5
Well Completion:	17-APR-18	Well Owner:	Buckys Complete Auto Repair
Well Type:	Resource Protection	Driller #:	3208
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Q438
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000772859**

Database:	Ecology Well Logs	Well Log ID:	1681233
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE47546	Date Received:	28-FEB-18
Diameter:	9	Casing Depth:	21
Well Completion:	25-FEB-18	Well Owner:	Buckys Complete Auto Repair
Well Type:	Decommisioning	Driller #:	2823
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
Q439 **South** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000772857**

Database:	Ecology Well Logs	Well Log ID:	1681231
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE47546	Date Received:	28-FEB-18
Diameter:	9	Casing Depth:	26
Well Completion:	25-FEB-18	Well Owner:	Buckys Complete Auto Repair
Well Type:	Decommisioning	Driller #:	2823
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
Q440 **South** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000772858**

Database:	Ecology Well Logs	Well Log ID:	1681232
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE65174	Date Received:	28-FEB-18
Diameter:	9	Casing Depth:	21
Well Completion:	25-FEB-18	Well Owner:	Buckys Complete Auto Repair
Well Type:	Resource Protection	Driller #:	2823
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
R441 **NNE** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000497268**

Database:	Ecology Well Logs	Well Log ID:	673417
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE10179	Date Received:	17-SEP-10
Diameter:	8.25	Casing Depth:	35
Well Completion:	05-AUG-10	Well Owner:	Arco C/O Arcadis | Arcadis
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
R442 **NNE** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000497269**

Database:	Ecology Well Logs	Well Log ID:	673419
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE10179	Date Received:	17-SEP-10
Diameter:	8.25	Casing Depth:	30

Well Completion:	05-AUG-10	Well Owner:	Arco C/O Arcadis | Arcadis
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

R443
NNE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000497270**

Database:	Ecology Well Logs	Well Log ID:	673421
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE10179	Date Received:	17-SEP-10
Diameter:	8.5	Casing Depth:	22
Well Completion:	03-AUG-10	Well Owner:	Arco C/O Arcadis | Arcadis
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

R444
NNE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000497267**

Database:	Ecology Well Logs	Well Log ID:	673415
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE07730	Date Received:	17-SEP-10
Diameter:	8.5	Casing Depth:	22
Well Completion:	03-AUG-10	Well Owner:	Arco C/O Arcadis | Arcadis
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

R445
NNE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000497264**

Database:	Ecology Well Logs	Well Log ID:	673409
Well Tag:	BCB808	Project Tag:	Not Reported
Notice of Intent #:	RE04928	Date Received:	17-SEP-10
Diameter:	8.5	Casing Depth:	30
Well Completion:	03-AUG-10	Well Owner:	Arco C/O Arcadis | Arcadis
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

R446
NNE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000497265**

Database:	Ecology Well Logs	Well Log ID:	673411
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE07730	Date Received:	17-SEP-10
Diameter:	8.25	Casing Depth:	35
Well Completion:	05-AUG-10	Well Owner:	Arco C/O Arcadis | Arcadis
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

R447
NNE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000497266**

Database:	Ecology Well Logs	Well Log ID:	673413
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE07730	Date Received:	17-SEP-10
Diameter:	8.25	Casing Depth:	30
Well Completion:	05-AUG-10	Well Owner:	Arco C/O Arcadis | Arcadis
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

R448
NNE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000538587**

Database:	Ecology Well Logs	Well Log ID:	753527
Well Tag:	BHJ552	Project Tag:	Not Reported
Notice of Intent #:	RE06328	Date Received:	17-OCT-11
Diameter:	8	Casing Depth:	25
Well Completion:	04-OCT-11	Well Owner:	Arco | Arcadis
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

R449
NNE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000538589**

Database:	Ecology Well Logs	Well Log ID:	753530
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE15175	Date Received:	17-OCT-11
Diameter:	8	Casing Depth:	12

Well Completion:	04-OCT-11	Well Owner:	Arco 11068 C/O Arcadis | Arcadis
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

R450
NNE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000538585**

Database:	Ecology Well Logs	Well Log ID:	753523
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE14934	Date Received:	17-OCT-11
Diameter:	0	Casing Depth:	70
Well Completion:	04-OCT-11	Well Owner:	Arco | Arcadis
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

R451
NNE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000538586**

Database:	Ecology Well Logs	Well Log ID:	753525
Well Tag:	BHJ551	Project Tag:	Not Reported
Notice of Intent #:	RE06328	Date Received:	17-OCT-11
Diameter:	8	Casing Depth:	25
Well Completion:	04-OCT-11	Well Owner:	Arco | Arcadis
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

S452
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000233618**

Database:	Ecology Well Logs	Well Log ID:	306257
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S006997	Date Received:	10-OCT-00
Diameter:	0	Casing Depth:	9.5
Well Completion:	19-SEP-00	Well Owner:	Us Bank Corp
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

S453
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000233617**

Database:	Ecology Well Logs	Well Log ID:	306256
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S006997	Date Received:	10-OCT-00
Diameter:	0	Casing Depth:	6
Well Completion:	19-SEP-00	Well Owner:	Us Bank Corp
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

S454
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000233616**

Database:	Ecology Well Logs	Well Log ID:	306255
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	R049787	Date Received:	02-OCT-00
Diameter:	0	Casing Depth:	40
Well Completion:	25-AUG-00	Well Owner:	Albertsons Corp
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

S455
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000233619**

Database:	Ecology Well Logs	Well Log ID:	306258
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S006997	Date Received:	10-OCT-00
Diameter:	0	Casing Depth:	9.5
Well Completion:	19-SEP-00	Well Owner:	Us Bank Corp
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

S456
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000233622**

Database:	Ecology Well Logs	Well Log ID:	306261
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S006997	Date Received:	10-OCT-00
Diameter:	0	Casing Depth:	9

Well Completion:	19-SEP-00	Well Owner:	Us Bank Corp
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

S457
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000233621**

Database:	Ecology Well Logs	Well Log ID:	306260
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S006997	Date Received:	10-OCT-00
Diameter:	0	Casing Depth:	6.5
Well Completion:	19-SEP-00	Well Owner:	Us Bank Corp
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

S458
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000233620**

Database:	Ecology Well Logs	Well Log ID:	306259
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S006997	Date Received:	10-OCT-00
Diameter:	0	Casing Depth:	10.5
Well Completion:	19-SEP-00	Well Owner:	Us Bank Corp
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

S459
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000233615**

Database:	Ecology Well Logs	Well Log ID:	306254
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	R049787	Date Received:	02-OCT-00
Diameter:	0	Casing Depth:	25
Well Completion:	22-AUG-00	Well Owner:	Albertsons Corp
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
S460 **South** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000233610**

Database:	Ecology Well Logs	Well Log ID:	306249
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S006966	Date Received:	02-OCT-00
Diameter:	0	Casing Depth:	15
Well Completion:	22-AUG-00	Well Owner:	Albertsons Corp
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
S461 **South** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000233609**

Database:	Ecology Well Logs	Well Log ID:	306248
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S006966	Date Received:	02-OCT-00
Diameter:	0	Casing Depth:	10
Well Completion:	22-AUG-00	Well Owner:	Albertsons Corp
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
S462 **South** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000233608**

Database:	Ecology Well Logs	Well Log ID:	306247
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S006966	Date Received:	02-OCT-00
Diameter:	0	Casing Depth:	10
Well Completion:	22-AUG-00	Well Owner:	Albertsons Corp
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
S463 **South** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000233611**

Database:	Ecology Well Logs	Well Log ID:	306250
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S006966	Date Received:	02-OCT-00
Diameter:	0	Casing Depth:	15

Well Completion:	22-AUG-00	Well Owner:	Albertsons Corp
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

S464
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000233614**

Database:	Ecology Well Logs	Well Log ID:	306253
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S006966	Date Received:	02-OCT-00
Diameter:	0	Casing Depth:	12.5
Well Completion:	22-AUG-00	Well Owner:	Albertsons Corp
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

S465
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000233613**

Database:	Ecology Well Logs	Well Log ID:	306252
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S006966	Date Received:	02-OCT-00
Diameter:	0	Casing Depth:	10
Well Completion:	22-AUG-00	Well Owner:	Albertsons Corp
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

S466
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000233612**

Database:	Ecology Well Logs	Well Log ID:	306251
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S006966	Date Received:	02-OCT-00
Diameter:	0	Casing Depth:	24
Well Completion:	22-AUG-00	Well Owner:	Albertsons Corp
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
S467 **South** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000233623**

Database:	Ecology Well Logs	Well Log ID:	306262
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S006997	Date Received:	10-OCT-00
Diameter:	0	Casing Depth:	6
Well Completion:	19-SEP-00	Well Owner:	Us Bank Corp
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

S468
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000355901**

Database:	Ecology Well Logs	Well Log ID:	451374
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S030718	Date Received:	15-AUG-06
Diameter:	8	Casing Depth:	15
Well Completion:	01-AUG-06	Well Owner:	1400 S 312th St
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

S469
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000355902**

Database:	Ecology Well Logs	Well Log ID:	451375
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	A120693	Date Received:	15-AUG-06
Diameter:	8	Casing Depth:	15
Well Completion:	01-AUG-06	Well Owner:	1400 S 312th St
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

S470
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000283996**

Database:	Ecology Well Logs	Well Log ID:	363488
Well Tag:	AHQ992	Project Tag:	Not Reported
Notice of Intent #:	R063377	Date Received:	13-JUN-03
Diameter:	9	Casing Depth:	25

Well Completion:	21-MAY-03	Well Owner:	7-Eleven #17463 | Secor
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

S471
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000355900**

Database:	Ecology Well Logs	Well Log ID:	451373
Well Tag:	APL420	Project Tag:	Not Reported
Notice of Intent #:	R069374	Date Received:	15-AUG-06
Diameter:	8	Casing Depth:	27
Well Completion:	01-AUG-06	Well Owner:	1400 S 312th St
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

S472
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000484056**

Database:	Ecology Well Logs	Well Log ID:	647161
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE04429	Date Received:	07-MAY-10
Diameter:	0	Casing Depth:	45.5
Well Completion:	06-APR-09	Well Owner:	Boo Han Plaza
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

S473
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000627272**

Database:	Ecology Well Logs	Well Log ID:	926121
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE25540	Date Received:	14-MAY-14
Diameter:	8	Casing Depth:	206
Well Completion:	31-MAR-14	Well Owner:	Dina Grib
Well Type:	Decommisioning	Driller #:	2081
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
S474 **South** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000357874**

Database:	Ecology Well Logs	Well Log ID:	454475
Well Tag:	APQ046	Project Tag:	Not Reported
Notice of Intent #:	R069401	Date Received:	06-SEP-06
Diameter:	8.25	Casing Depth:	25
Well Completion:	13-JUN-06	Well Owner:	Strip Mall
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
S475 **South** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000357875**

Database:	Ecology Well Logs	Well Log ID:	454476
Well Tag:	APQ045	Project Tag:	Not Reported
Notice of Intent #:	R069401	Date Received:	06-SEP-06
Diameter:	8.25	Casing Depth:	27
Well Completion:	13-JUN-06	Well Owner:	Strip Mall
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
S476 **South** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000233626**

Database:	Ecology Well Logs	Well Log ID:	306265
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S006997	Date Received:	10-OCT-00
Diameter:	0	Casing Depth:	6
Well Completion:	19-SEP-00	Well Owner:	Us Bank Corp
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
S477 **South** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000233627**

Database:	Ecology Well Logs	Well Log ID:	306266
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S006997	Date Received:	10-OCT-00
Diameter:	0	Casing Depth:	6

Well Completion:	19-SEP-00	Well Owner:	Us Bank Corp
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

S478
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000233624**

Database:	Ecology Well Logs	Well Log ID:	306263
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S006997	Date Received:	10-OCT-00
Diameter:	0	Casing Depth:	6
Well Completion:	19-SEP-00	Well Owner:	Us Bank Corp
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

S479
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000233625**

Database:	Ecology Well Logs	Well Log ID:	306264
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S006997	Date Received:	10-OCT-00
Diameter:	0	Casing Depth:	6
Well Completion:	19-SEP-00	Well Owner:	Us Bank Corp
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

S480
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000233676**

Database:	Ecology Well Logs	Well Log ID:	306315
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S006997	Date Received:	10-OCT-00
Diameter:	0	Casing Depth:	6
Well Completion:	19-SEP-00	Well Owner:	Us Bank Corp
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
S481 **South** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000283995**

Database:	Ecology Well Logs	Well Log ID:	363487
Well Tag:	AHQ991	Project Tag:	Not Reported
Notice of Intent #:	R063377	Date Received:	13-JUN-03
Diameter:	9	Casing Depth:	25
Well Completion:	21-MAY-03	Well Owner:	7-Eleven #17463 | Secor
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
S482 **South** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000233674**

Database:	Ecology Well Logs	Well Log ID:	306313
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S006997	Date Received:	10-OCT-00
Diameter:	0	Casing Depth:	6
Well Completion:	19-SEP-00	Well Owner:	Us Bank Corp
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
S483 **South** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000233675**

Database:	Ecology Well Logs	Well Log ID:	306314
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S006997	Date Received:	10-OCT-00
Diameter:	0	Casing Depth:	6
Well Completion:	19-SEP-00	Well Owner:	Us Bank Corp
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
484 **NE** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS40001255510**

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	22N/04E-33P01	Type:	Well
Description:	Not Reported	HUC:	17110019

Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19010101
Well Depth:	14	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1960-09-23
Feet below surface:	6	Feet to sea level:	Not Reported
Note:	Not Reported		

T485
SW
1/2 - 1 Mile
Lower

WA WELLS **WALOG1000607869**

Database:	Ecology Well Logs	Well Log ID:	891125
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE48254	Date Received:	25-NOV-13
Diameter:	0	Casing Depth:	11.5
Well Completion:	28-MAY-13	Well Owner:	Federal Way Public Schools
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

T486
SW
1/2 - 1 Mile
Lower

WA WELLS **WALOG1000607870**

Database:	Ecology Well Logs	Well Log ID:	891126
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE48254	Date Received:	25-NOV-13
Diameter:	0	Casing Depth:	10.5
Well Completion:	28-MAY-13	Well Owner:	Federal Way Public Schools
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

T487
SW
1/2 - 1 Mile
Lower

WA WELLS **WALOG1000607868**

Database:	Ecology Well Logs	Well Log ID:	891123
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE48254	Date Received:	25-NOV-13
Diameter:	0	Casing Depth:	12
Well Completion:	28-MAY-13	Well Owner:	Federal Way Public Schools
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

T488
SW
1/2 - 1 Mile
Lower

WA WELLS **WALOG1000607866**

Database:	Ecology Well Logs	Well Log ID:	891119
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE48254	Date Received:	25-NOV-13
Diameter:	0	Casing Depth:	12
Well Completion:	28-MAY-13	Well Owner:	Federal Way Public Schools
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

T489
SW
1/2 - 1 Mile
Lower

WA WELLS **WALOG1000607867**

Database:	Ecology Well Logs	Well Log ID:	891121
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE48254	Date Received:	25-NOV-13
Diameter:	0	Casing Depth:	12
Well Completion:	28-MAY-13	Well Owner:	Federal Way Public Schools
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

T490
SW
1/2 - 1 Mile
Lower

WA WELLS **WALOG1000607874**

Database:	Ecology Well Logs	Well Log ID:	891133
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE22002	Date Received:	25-NOV-13
Diameter:	0	Casing Depth:	11.5
Well Completion:	28-MAY-13	Well Owner:	Federal Way Public Schools
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

T491
SW
1/2 - 1 Mile
Lower

WA WELLS **WALOG1000607875**

Database:	Ecology Well Logs	Well Log ID:	891135
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE22002	Date Received:	25-NOV-13
Diameter:	0	Casing Depth:	10.5

Well Completion:	28-MAY-13	Well Owner:	Federal Way Public Schools
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

T492
SW
1/2 - 1 Mile
Lower

WA WELLS **WALOG1000607873**

Database:	Ecology Well Logs	Well Log ID:	891131
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE22002	Date Received:	25-NOV-13
Diameter:	0	Casing Depth:	12
Well Completion:	28-MAY-13	Well Owner:	Federal Way Public Schools
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

T493
SW
1/2 - 1 Mile
Lower

WA WELLS **WALOG1000607871**

Database:	Ecology Well Logs	Well Log ID:	891128
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE22002	Date Received:	25-NOV-13
Diameter:	0	Casing Depth:	12
Well Completion:	28-MAY-13	Well Owner:	Federal Way Public Schools
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

T494
SW
1/2 - 1 Mile
Lower

WA WELLS **WALOG1000607872**

Database:	Ecology Well Logs	Well Log ID:	891130
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE22002	Date Received:	25-NOV-13
Diameter:	0	Casing Depth:	12
Well Completion:	28-MAY-13	Well Owner:	Federal Way Public Schools
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
U495 **SSE** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000808362**

Database:	Ecology Well Logs	Well Log ID:	1640889
Well Tag:	Not Reported	Project Tag:	B4
Notice of Intent #:	AE43800	Date Received:	27-SEP-17
Diameter:	2.25	Casing Depth:	15
Well Completion:	27-JUN-17	Well Owner:	Aki
Well Type:	Decommisioning	Driller #:	3018
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
U496 **SSE** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000808361**

Database:	Ecology Well Logs	Well Log ID:	1640888
Well Tag:	Not Reported	Project Tag:	B3
Notice of Intent #:	AE43800	Date Received:	27-SEP-17
Diameter:	2.25	Casing Depth:	15
Well Completion:	27-JUN-17	Well Owner:	Aki
Well Type:	Decommisioning	Driller #:	3018
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
U497 **SSE** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000808360**

Database:	Ecology Well Logs	Well Log ID:	1640887
Well Tag:	Not Reported	Project Tag:	B2
Notice of Intent #:	AE43800	Date Received:	27-SEP-17
Diameter:	2.25	Casing Depth:	15
Well Completion:	27-JUN-17	Well Owner:	Aki
Well Type:	Decommisioning	Driller #:	3018
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
U498 **SSE** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000816211**

Database:	Ecology Well Logs	Well Log ID:	1640882
Well Tag:	Not Reported	Project Tag:	b1
Notice of Intent #:	SE62623	Date Received:	27-SEP-17
Diameter:	2.25	Casing Depth:	15

Well Completion:	27-JUN-17	Well Owner:	Aki
Well Type:	Resource Protection	Driller #:	3018
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

U499
SSE **WA WELLS** **WALOG1000816214**
1/2 - 1 Mile
Higher

Database:	Ecology Well Logs	Well Log ID:	1640885
Well Tag:	Not Reported	Project Tag:	B4
Notice of Intent #:	SE62623	Date Received:	27-SEP-17
Diameter:	2.25	Casing Depth:	15
Well Completion:	27-JUN-17	Well Owner:	Aki
Well Type:	Resource Protection	Driller #:	3018
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

U500
SSE **WA WELLS** **WALOG1000816215**
1/2 - 1 Mile
Higher

Database:	Ecology Well Logs	Well Log ID:	1640886
Well Tag:	Not Reported	Project Tag:	b1
Notice of Intent #:	AE43800	Date Received:	27-SEP-17
Diameter:	2.25	Casing Depth:	15
Well Completion:	27-JUN-17	Well Owner:	Aki
Well Type:	Decommisioning	Driller #:	3018
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

U501
SSE **WA WELLS** **WALOG1000816212**
1/2 - 1 Mile
Higher

Database:	Ecology Well Logs	Well Log ID:	1640883
Well Tag:	Not Reported	Project Tag:	B2
Notice of Intent #:	SE62623	Date Received:	27-SEP-17
Diameter:	2.25	Casing Depth:	15
Well Completion:	27-JUN-17	Well Owner:	Aki
Well Type:	Resource Protection	Driller #:	3018
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

U502
SSE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000816213**

Database:	Ecology Well Logs	Well Log ID:	1640884
Well Tag:	Not Reported	Project Tag:	B3
Notice of Intent #:	SE62623	Date Received:	27-SEP-17
Diameter:	2.25	Casing Depth:	15
Well Completion:	27-JUN-17	Well Owner:	Aki
Well Type:	Resource Protection	Driller #:	3018
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

U503
SSE
1/2 - 1 Mile
Higher

FED USGS **USGS40001254765**

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	21N/04E-09F01	Type:	Well
Description:	Not Reported	HUC:	17110013
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19410701
Well Depth:	351	Well Depth Units:	ft
Well Hole Depth:	351	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1967-10-16
Feet below surface:	100.83	Feet to sea level:	Not Reported
Note:	Not Reported		

504
NNW
1/2 - 1 Mile
Lower

FED USGS **USGS40001255612**

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	22N/04E-32J01	Type:	Well
Description:	Not Reported	HUC:	17110019
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19860922
Well Depth:	168	Well Depth Units:	ft
Well Hole Depth:	168	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1986-09-22
Feet below surface:	147	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

V505
East
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000688832**

Database:	Ecology Well Logs	Well Log ID:	1064710
Well Tag:	Not Reported	Project Tag:	ST FWLE C17
Notice of Intent #:	SE55867	Date Received:	21-OCT-15
Diameter:	9	Casing Depth:	40.5
Well Completion:	10-SEP-15	Well Owner:	Wsdot
Well Type:	Resource Protection	Driller #:	3119
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

V506
East
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000271808**

Database:	Ecology Well Logs	Well Log ID:	348666
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	Not Reported
Diameter:	10	Casing Depth:	377
Well Completion:	28-JAN-63	Well Owner:	King County Water District #64
Well Type:	Water	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

V507
East
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000688833**

Database:	Ecology Well Logs	Well Log ID:	1064711
Well Tag:	Not Reported	Project Tag:	ST FWLE C17
Notice of Intent #:	AE33704	Date Received:	21-OCT-15
Diameter:	9	Casing Depth:	40.5
Well Completion:	10-SEP-15	Well Owner:	Wsdot
Well Type:	Decommisioning	Driller #:	3119
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

W508
ENE
1/2 - 1 Mile
Lower

FED USGS **USGS40001255420**

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	21N/04E-04A02	Type:	Well
Description:	Not Reported	HUC:	17110013

Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19010101
Well Depth:	21	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1961-01-04
Feet below surface:	7	Feet to sea level:	Not Reported
Note:	Not Reported		

W509
ENE **FED USGS** **USGS40001255419**
1/2 - 1 Mile
Lower

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	21N/04E-04A01	Type:	Well
Description:	Not Reported	HUC:	17110013
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19010101
Well Depth:	20.3	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1960-01-04
Feet below surface:	12	Feet to sea level:	Not Reported
Note:	Not Reported		

V510
East **WA WELLS** **WA1100000018508**
1/2 - 1 Mile
Higher

Database:	Water Wells	PWS ID:	41997
Source #:	07	Source Name:	Well 9-64
Source Status:	Active	Source Type:	Ground Water - Well
Source Use:	Permanent	Date Source Effective:	01/01/1970
Date Source Inactive:	Not Reported	Water Resource Inventory Area:	Duwamish-Green
Well Depth:	377	Source Susceptibility:	Low Susceptibility to Contaminants
System Name:	LAKEHAVEN WATER AND SEWER DISTRICT		
Public Water System Group:	A	System Type:	Community Water System
Full Time Res Pop:	114404	Total Population Served:	114577
Total Connections:	43562	PWS Status:	Active
Residential Connections:	42372	DOE Well Tag:	09G426
Capacity (GPM):	250	Influenced by Droughts:	N
Influenced by Flooding:	N	Influenced by Surface Water:	U

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

V511
East
1/2 - 1 Mile
Higher

FED USGS **USGS40001255110**

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	21N/04E-04J01	Type:	Well
Description:	Not Reported	HUC:	17110013
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19630219
Well Depth:	377	Well Depth Units:	ft
Well Hole Depth:	377	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	5	Level reading date:	1987-10-02
Feet below surface:	276	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1987-04-23	Feet below surface:	285
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-05-08	Feet below surface:	272
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-16	Feet below surface:	295.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-02-19	Feet below surface:	282
Feet to sea level:	Not Reported	Note:	Not Reported

512
ENE
1/2 - 1 Mile
Lower

FED USGS **USGS40001255321**

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	22N/04E-33R01	Type:	Well
Description:	Not Reported	HUC:	17110019
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19010101
Well Depth:	20	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1960-09-23
Feet below surface:	14	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

513
NE
1/2 - 1 Mile
Higher

FED USGS **USGS40001255499**

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	22N/04E-33Q01	Type:	Well
Description:	Not Reported	HUC:	17110019
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19010101
Well Depth:	46	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1960-09-23
Feet below surface:	35	Feet to sea level:	Not Reported
Note:	Not Reported		

X514
ESE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000716922**

Database:	Ecology Well Logs	Well Log ID:	1561135
Well Tag:	BJF870	Project Tag:	Not Reported
Notice of Intent #:	RE12189	Date Received:	06-MAY-16
Diameter:	2	Casing Depth:	15
Well Completion:	07-JAN-16	Well Owner:	The Church Of Christ At Federal Way
Well Type:	Resource Protection	Driller #:	2671
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

X515
ESE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000657991**

Database:	Ecology Well Logs	Well Log ID:	1001114
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	A086299	Date Received:	12-AUG-14
Diameter:	6	Casing Depth:	114
Well Completion:	28-JUL-14	Well Owner:	Westridge Auburn Llc
Well Type:	Decommisioning	Driller #:	0233
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

X516
ESE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000271806**

Database:	Ecology Well Logs	Well Log ID:	348664
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	Not Reported
Diameter:	12	Casing Depth:	329
Well Completion:	30-NOV-58	Well Owner:	King County Water District #64
Well Type:	Water	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

517
South
1/2 - 1 Mile
Higher

FRDS PWS **WA5305568**

Epa region:	10	State:	WA
Pwsid:	WA5305568	Pwsname:	SUNNY ACRES MOBILE HOME PARK
Cityserved:	Not Reported	Stateserved:	WA
Zipserved:	Not Reported	Fipscounty:	53067
Status:	Closed	Retpopsrvd:	36
Pwssvcconn:	16	Psource longname:	Groundwater
Pwstype:	CWS	Owner:	Private
Contact:	BARBARA BRADSHAW	Contactorgname:	Not Reported
Contactphone:	Not Reported	Contactaddress1:	30205 33RD SW
Contactaddress2:	Not Reported	Contactcity:	FEDERAL WAY
Contactstate:	WA	Contactzip:	98023
Pwsactivitycode:	I		

Pwsid:	WA5305568	Facid:	1T
Facname:	WELL #1	Factype:	Treatment_plant
Facactivitycode:	I	Trtobjective:	disinfection
Trtprocess:	hypochlorination, post	Factypecode:	TP

PWS ID:	WA5305568	PWS name:	SUNNY ACRES MOBILE HOME PARK
Address:	Not Reported	Care of:	Not Reported
City:	FEDERAL WAY	State:	WA
Zip:	98023	Owner:	SUNNY ACRES MOBILE HOME PARK
Source code:	Ground water	Population:	36

PWS ID:	WA5305568	PWS type:	Not Reported
PWS name:	Not Reported	PWS address:	Not Reported
PWS city:	Not Reported	PWS state:	Not Reported
PWS zip:	Not Reported	PWS ID:	WA5305568
Activity status:	Active	Date system activated:	Not Reported
Date system deactivated:	Not Reported	Retail population:	00000036
System name:	SUNNY ACRES MHP	System address:	Not Reported
System city:	FEDERAL WAY	System state:	WA
System zip:	98023		

Population served:	Under 101 Persons	Treatment:	Treated

Latitude:	471921	Longitude:	1221841

Violation id:	0050517	Orig code:	S
State:	WA	Violation Year:	2000
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	22	Violation name:	MCL, Monthly (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	0	Unit of measure:	Not Reported
State mcl:	0	Cmp bdt:	07/01/2000
Cmp edt:	07/31/2000		

Violation id:	0050518	Orig code:	S
State:	WA	Violation Year:	2000
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	22	Violation name:	MCL, Monthly (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	0	Unit of measure:	Not Reported
State mcl:	0	Cmp bdt:	06/01/2000
Cmp edt:	06/30/2000		

Violation id:	0050519	Orig code:	S
State:	WA	Violation Year:	2000
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	22	Violation name:	MCL, Monthly (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	0	Unit of measure:	Not Reported
State mcl:	0	Cmp bdt:	05/01/2000
Cmp edt:	05/31/2000		

Violation id:	9993001	Orig code:	S
State:	WA	Violation Year:	1999
Contamination code:	5000	Contamination Name:	Lead and Copper Rule
Violation code:	51	Violation name:	Initial Tap Sampling for Pb and Cu
Rule code:	350	Rule name:	LCR
Violation measur:	0	Unit of measure:	Not Reported
State mcl:	0	Cmp bdt:	01/01/1999
Cmp edt:	01/01/2000		

Violation ID:	0050517	Orig Code:	S
Enforcemnt FY:	2000	Enforcement Action:	07/31/2000
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal

Violation ID:	0050517	Orig Code:	S
Enforcemnt FY:	2000	Enforcement Action:	07/31/2000
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal

Violation ID:	0050517	Orig Code:	S
Enforcemnt FY:	2000	Enforcement Action:	07/31/2000
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		

Violation ID:	0050518	Orig Code:	S
Enforcemnt FY:	2000	Enforcement Action:	06/30/2000
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal

Violation ID:	0050518	Orig Code:	S
Enforcemnt FY:	2000	Enforcement Action:	06/30/2000
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		

Violation ID:	0050518	Orig Code:	S
Enforcemnt FY:	2000	Enforcement Action:	06/30/2000
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal

Violation ID:	0050519	Orig Code:	S
Enforcemnt FY:	2000	Enforcement Action:	05/31/2000
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	0050519	Orig Code:	S
Enforcemnt FY:	2000	Enforcement Action:	05/31/2000
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
Violation ID:	0050519	Orig Code:	S
Enforcemnt FY:	2000	Enforcement Action:	05/31/2000
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	9993001	Orig Code:	S
Enforcemnt FY:	2000	Enforcement Action:	01/01/2000
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving

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Y518
West
1/2 - 1 Mile
Lower

WA WELLS **WALOG1000795417**

Database:	Ecology Well Logs	Well Log ID:	1768304
Well Tag:	Not Reported	Project Tag:	SB-6
Notice of Intent #:	SE63918	Date Received:	14-AUG-18
Diameter:	6	Casing Depth:	10
Well Completion:	27-OCT-17	Well Owner:	Niklexi Llc
Well Type:	Resource Protection	Driller #:	3173
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Y519
West
1/2 - 1 Mile
Lower

WA WELLS **WALOG1000795416**

Database:	Ecology Well Logs	Well Log ID:	1768303
Well Tag:	Not Reported	Project Tag:	SB-3
Notice of Intent #:	AE45749	Date Received:	14-AUG-18
Diameter:	6	Casing Depth:	10
Well Completion:	27-OCT-17	Well Owner:	Niklexi Llc
Well Type:	Decommisioning	Driller #:	3173
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Y520
West
1/2 - 1 Mile
Lower

WA WELLS **WALOG1000795419**

Database:	Ecology Well Logs	Well Log ID:	1768306
Well Tag:	Not Reported	Project Tag:	SB-6
Notice of Intent #:	AE45749	Date Received:	14-AUG-18
Diameter:	6	Casing Depth:	10
Well Completion:	27-OCT-17	Well Owner:	Niklexi Llc

Well Type:	Decommisioning	Driller #:	3173
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Y521
West
1/2 - 1 Mile
Lower

WA WELLS **WALOG1000795418**

Database:	Ecology Well Logs	Well Log ID:	1768305
Well Tag:	Not Reported	Project Tag:	SB-5
Notice of Intent #:	SE63918	Date Received:	14-AUG-18
Diameter:	6	Casing Depth:	10
Well Completion:	27-OCT-17	Well Owner:	Niklexi Llc
Well Type:	Resource Protection	Driller #:	3173
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Y522
West
1/2 - 1 Mile
Lower

WA WELLS **WALOG1000795415**

Database:	Ecology Well Logs	Well Log ID:	1768301
Well Tag:	Not Reported	Project Tag:	SB-5
Notice of Intent #:	AE45749	Date Received:	14-AUG-08
Diameter:	6	Casing Depth:	10
Well Completion:	27-OCT-17	Well Owner:	Niklexi Llc
Well Type:	Decommisioning	Driller #:	3173
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Y523
West
1/2 - 1 Mile
Lower

WA WELLS **WALOG1000795367**

Database:	Ecology Well Logs	Well Log ID:	1768223
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE63918	Date Received:	14-AUG-18
Diameter:	6	Casing Depth:	10
Well Completion:	26-OCT-17	Well Owner:	Niklexi Llc
Well Type:	Resource Protection	Driller #:	3173
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
Y524 **West** **1/2 - 1 Mile** **Lower**	**WA WELLS**	**WALOG1000271809**

Database:	Ecology Well Logs	Well Log ID:	348667
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	Not Reported
Diameter:	6	Casing Depth:	116
Well Completion:	Not Reported	Well Owner:	George C Garris
Well Type:	Water	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
Y525 **West** **1/2 - 1 Mile** **Lower**	**WA WELLS**	**WALOG1000795414**

Database:	Ecology Well Logs	Well Log ID:	1768300
Well Tag:	Not Reported	Project Tag:	SB-1
Notice of Intent #:	AE45749	Date Received:	14-AUG-18
Diameter:	6	Casing Depth:	10
Well Completion:	26-OCT-17	Well Owner:	Niklexi Llc
Well Type:	Decommisioning	Driller #:	3173
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
Y526 **West** **1/2 - 1 Mile** **Lower**	**WA WELLS**	**WALOG1000795368**

Database:	Ecology Well Logs	Well Log ID:	1768224
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE63918	Date Received:	14-AUG-18
Diameter:	6	Casing Depth:	10
Well Completion:	26-OCT-17	Well Owner:	Niklexi Llc
Well Type:	Resource Protection	Driller #:	3173
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
Y527 **West** **1/2 - 1 Mile** **Lower**	**WA WELLS**	**WALOG1000795420**

Database:	Ecology Well Logs	Well Log ID:	1768308
Well Tag:	Not Reported	Project Tag:	SB-2
Notice of Intent #:	AE45749	Date Received:	14-AUG-18
Diameter:	6	Casing Depth:	10

Well Completion:	26-OCT-17	Well Owner:	Niklexi Llc
Well Type:	Decommisioning	Driller #:	3173
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Y528
West
1/2 - 1 Mile
Lower

WA WELLS **WALOG1000795427**

Database:	Ecology Well Logs	Well Log ID:	1768318
Well Tag:	Not Reported	Project Tag:	SB-4
Notice of Intent #:	AE45749	Date Received:	14-AUG-18
Diameter:	6	Casing Depth:	10
Well Completion:	27-OCT-17	Well Owner:	Niklexi Llc
Well Type:	Decommisioning	Driller #:	3173
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Y529
West
1/2 - 1 Mile
Lower

WA WELLS **WALOG1000795428**

Database:	Ecology Well Logs	Well Log ID:	1768321
Well Tag:	Not Reported	Project Tag:	TSB-1
Notice of Intent #:	AE45749	Date Received:	14-AUG-18
Diameter:	6	Casing Depth:	110
Well Completion:	26-OCT-17	Well Owner:	Niklexi Llc
Well Type:	Decommisioning	Driller #:	3173
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Y530
West
1/2 - 1 Mile
Lower

WA WELLS **WALOG1000795429**

Database:	Ecology Well Logs	Well Log ID:	1768322
Well Tag:	Not Reported	Project Tag:	TSB-1
Notice of Intent #:	SE63918	Date Received:	14-AUG-18
Diameter:	6	Casing Depth:	110
Well Completion:	26-OCT-17	Well Owner:	Niklexi Llc
Well Type:	Resource Protection	Driller #:	3173
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database | EDR ID Number

Y531
West
1/2 - 1 Mile
Lower

WA WELLS **WALOG1000795424**

Database:	Ecology Well Logs	Well Log ID:	1768313
Well Tag:	Not Reported	Project Tag:	SB-7
Notice of Intent #:	SE63918	Date Received:	14-AUG-18
Diameter:	6	Casing Depth:	10
Well Completion:	27-OCT-17	Well Owner:	Niklexi Llc
Well Type:	Resource Protection	Driller #:	3173
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Y532
West
1/2 - 1 Mile
Lower

WA WELLS **WALOG1000795421**

Database:	Ecology Well Logs	Well Log ID:	1768309
Well Tag:	Not Reported	Project Tag:	SB-7
Notice of Intent #:	AE45749	Date Received:	14-AUG-18
Diameter:	6	Casing Depth:	10
Well Completion:	27-OCT-17	Well Owner:	Niklexi Llc
Well Type:	Decommisioning	Driller #:	3173
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Y533
West
1/2 - 1 Mile
Lower

WA WELLS **WALOG1000795422**

Database:	Ecology Well Logs	Well Log ID:	1768311
Well Tag:	Not Reported	Project Tag:	SB-3
Notice of Intent #:	SE63918	Date Received:	14-AUG-18
Diameter:	6	Casing Depth:	10
Well Completion:	27-OCT-17	Well Owner:	Niklexi Llc
Well Type:	Resource Protection	Driller #:	3173
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Y534
West
1/2 - 1 Mile
Lower

WA WELLS **WALOG1000795423**

Database:	Ecology Well Logs	Well Log ID:	1768312
Well Tag:	Not Reported	Project Tag:	SB-4
Notice of Intent #:	SE63918	Date Received:	14-AUG-18
Diameter:	6	Casing Depth:	10

Well Completion:	27-OCT-17	Well Owner:	Niklexi Llc
Well Type:	Resource Protection	Driller #:	3173
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Z535
NE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000364224**

Database:	Ecology Well Logs	Well Log ID:	463510
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	A121008	Date Received:	22-NOV-06
Diameter:	8.25	Casing Depth:	20
Well Completion:	10-NOV-06	Well Owner:	Service Station | Eri
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Z536
NE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000364223**

Database:	Ecology Well Logs	Well Log ID:	463509
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S030786	Date Received:	22-NOV-06
Diameter:	8.25	Casing Depth:	20
Well Completion:	10-NOV-06	Well Owner:	Service Station | Eri
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Z537
NE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000364222**

Database:	Ecology Well Logs	Well Log ID:	463508
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S030786	Date Received:	22-NOV-06
Diameter:	8.25	Casing Depth:	20
Well Completion:	10-NOV-06	Well Owner:	Service Station | Eri
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

Z538
NE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000364225**

Database:	Ecology Well Logs	Well Log ID:	463511
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	A121008	Date Received:	22-NOV-06
Diameter:	8.25	Casing Depth:	20
Well Completion:	10-NOV-06	Well Owner:	Service Station | Eri
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Z539
NE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000364227**

Database:	Ecology Well Logs	Well Log ID:	463513
Well Tag:	ALN646	Project Tag:	Not Reported
Notice of Intent #:	R069772	Date Received:	22-NOV-06
Diameter:	8	Casing Depth:	30
Well Completion:	07-NOV-06	Well Owner:	Service Station | Eri
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Z540
NE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000364226**

Database:	Ecology Well Logs	Well Log ID:	463512
Well Tag:	ALN645	Project Tag:	Not Reported
Notice of Intent #:	R069772	Date Received:	22-NOV-06
Diameter:	8	Casing Depth:	40
Well Completion:	07-NOV-06	Well Owner:	Service Station | Eri
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Z541
NE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000364228**

Database:	Ecology Well Logs	Well Log ID:	463514
Well Tag:	ALN388	Project Tag:	Not Reported
Notice of Intent #:	R069772	Date Received:	22-NOV-06
Diameter:	8	Casing Depth:	45

Well Completion:	07-NOV-06	Well Owner:	Service Station | Eri
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Z542
NE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000104908**

Database:	Ecology Well Logs	Well Log ID:	109932
Well Tag:	ABY081	Project Tag:	Not Reported
Notice of Intent #:	R005379	Date Received:	23-MAY-95
Diameter:	0	Casing Depth:	0
Well Completion:	02-MAY-95	Well Owner:	B. P #11068
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Z543
NE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000104907**

Database:	Ecology Well Logs	Well Log ID:	109931
Well Tag:	ABY080	Project Tag:	Not Reported
Notice of Intent #:	R005379	Date Received:	23-MAY-95
Diameter:	0	Casing Depth:	0
Well Completion:	02-MAY-95	Well Owner:	B. P #11068
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Z544
NE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000104906**

Database:	Ecology Well Logs	Well Log ID:	109930
Well Tag:	ABY079	Project Tag:	Not Reported
Notice of Intent #:	R005379	Date Received:	23-MAY-95
Diameter:	0	Casing Depth:	0
Well Completion:	02-MAY-95	Well Owner:	B. P #11068
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

Z545
NE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000176521**

Database:	Ecology Well Logs	Well Log ID:	200972
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	217413	Date Received:	09-JUN-93
Diameter:	0	Casing Depth:	0
Well Completion:	02-JUN-93	Well Owner:	B. P. Oil Co.
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Z546
NE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000348682**

Database:	Ecology Well Logs	Well Log ID:	440427
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	A072750	Date Received:	27-APR-06
Diameter:	2	Casing Depth:	11
Well Completion:	22-FEB-05	Well Owner:	Garris Garden Park Llc
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Z547
NE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000348681**

Database:	Ecology Well Logs	Well Log ID:	440424
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	E005252	Date Received:	27-APR-06
Diameter:	2	Casing Depth:	11
Well Completion:	22-FEB-05	Well Owner:	Gams Garden Park Llc
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Z548
NE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000176522**

Database:	Ecology Well Logs	Well Log ID:	200973
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	217413	Date Received:	09-JUN-93
Diameter:	0	Casing Depth:	0

Well Completion:	02-JUN-93	Well Owner:	B. P. Oil Co.
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Z549
NE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000623038**

Database:	Ecology Well Logs	Well Log ID:	920883
Well Tag:	BID301	Project Tag:	Not Reported
Notice of Intent #:	RE09759	Date Received:	29-APR-14
Diameter:	8	Casing Depth:	25
Well Completion:	03-APR-14	Well Owner:	Auto Repair Shop
Well Type:	Resource Protection	Driller #:	3131
Static Level:	6	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Z550
NE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000613435**

Database:	Ecology Well Logs	Well Log ID:	902567
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE24502	Date Received:	09-DEC-13
Diameter:	8.25	Casing Depth:	16.5
Well Completion:	15-NOV-13	Well Owner:	Service Station | Arcadis
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Z551
NE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000623065**

Database:	Ecology Well Logs	Well Log ID:	920910
Well Tag:	BID300	Project Tag:	Not Reported
Notice of Intent #:	RE09759	Date Received:	29-APR-14
Diameter:	8	Casing Depth:	25
Well Completion:	03-APR-14	Well Owner:	Auto Repair Shop
Well Type:	Resource Protection	Driller #:	3131
Static Level:	6	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
Z552 **NE** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000721359**

Database:	Ecology Well Logs	Well Log ID:	1565755
Well Tag:	BSE890	Project Tag:	Not Reported
Notice of Intent #:	RE11740	Date Received:	31-MAY-16
Diameter:	2	Casing Depth:	26
Well Completion:	28-AUG-15	Well Owner:	Ambika Investments
Well Type:	Resource Protection	Driller #:	2933
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
Z553 **NE** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000721346**

Database:	Ecology Well Logs	Well Log ID:	1565742
Well Tag:	BSE539	Project Tag:	Not Reported
Notice of Intent #:	RE11740	Date Received:	31-MAY-16
Diameter:	2	Casing Depth:	26
Well Completion:	02-SEP-15	Well Owner:	Ambika Investments
Well Type:	Resource Protection	Driller #:	2933
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Static Level	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
Z554 **NE** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000613434**

Database:	Ecology Well Logs	Well Log ID:	902565
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE24502	Date Received:	09-DEC-13
Diameter:	8.25	Casing Depth:	16.5
Well Completion:	15-NOV-13	Well Owner:	Service Station | Arcadis
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
Z555 **NE** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000512206**

Database:	Ecology Well Logs	Well Log ID:	702470
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE08657	Date Received:	19-JAN-11
Diameter:	4	Casing Depth:	70

Well Completion:	02-DEC-10	Well Owner:	Enterprise Parking | Hart Crowser~ Inc
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Z556
NE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000512205**

Database:	Ecology Well Logs	Well Log ID:	702468
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE08658	Date Received:	19-JAN-11
Diameter:	4	Casing Depth:	70
Well Completion:	03-DEC-10	Well Owner:	Airport Place Bldg | Hart Crowser~ Inc
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Z557
NE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000538588**

Database:	Ecology Well Logs	Well Log ID:	753529
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE43937	Date Received:	17-OCT-11
Diameter:	8	Casing Depth:	12
Well Completion:	04-OCT-11	Well Owner:	Arco 11068 C/O Arcadis | Arcadis
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Z558
NE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000613433**

Database:	Ecology Well Logs	Well Log ID:	902563
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE49859	Date Received:	09-DEC-13
Diameter:	8.25	Casing Depth:	16.5
Well Completion:	15-NOV-13	Well Owner:	Service Station | Arcadis
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

Z559
NE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000613432**

Database:	Ecology Well Logs	Well Log ID:	902561
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE49859	Date Received:	09-DEC-13
Diameter:	8.25	Casing Depth:	16.5
Well Completion:	15-NOV-13	Well Owner:	Service Station | Arcadis
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

560
NE
1/2 - 1 Mile
Lower

FED USGS **USGS40001255453**

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	21N/04E-03A02	Type:	Well
Description:	Not Reported	HUC:	17110013
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19010101
Well Depth:	16	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1961-01-04
Feet below surface:	3	Feet to sea level:	Not Reported
Note:	Not Reported		

AA561
ESE
1/2 - 1 Mile
Higher

FED USGS **USGS40001254890**

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	21N/04E-09A01	Type:	Well
Description:	Not Reported	HUC:	17110013
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19010101
Well Depth:	255	Well Depth Units:	ft
Well Hole Depth:	350	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	91	Level reading date:	1973-12-01
Feet below surface:	174	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1973-11-20	Feet below surface:	177
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-10-24	Feet below surface:	176
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-09-25	Feet below surface:	177
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-08-20	Feet below surface:	177
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-07-23	Feet below surface:	177
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-06-20	Feet below surface:	176
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-05-22	Feet below surface:	176
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-04-24	Feet below surface:	175
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-03-21	Feet below surface:	175
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-02-23	Feet below surface:	176
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-01-24	Feet below surface:	176
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-12-20	Feet below surface:	175
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-11-22	Feet below surface:	177
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-10-25	Feet below surface:	177.44
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-10-16	Feet below surface:	167
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-09-22	Feet below surface:	178.06
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-08-22	Feet below surface:	178
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-07-20	Feet below surface:	177.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-06-20	Feet below surface:	178
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-05-23	Feet below surface:	176
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-04-24	Feet below surface:	177
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1972-03-24	Feet below surface:	177
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-02-23	Feet below surface:	177
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-01-24	Feet below surface:	178
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-12-20	Feet below surface:	179
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-11-22	Feet below surface:	180
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-11-15	Feet below surface:	179
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-10-21	Feet below surface:	180
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-09-24	Feet below surface:	179
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-09-17	Feet below surface:	179
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-08-24	Feet below surface:	180
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-07-26	Feet below surface:	180
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-06-24	Feet below surface:	179
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-05-25	Feet below surface:	180
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-04-22	Feet below surface:	180
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-03-26	Feet below surface:	179
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-02-23	Feet below surface:	179
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-01-19	Feet below surface:	178
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-12-30	Feet below surface:	177
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-11-25	Feet below surface:	178
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-10-23	Feet below surface:	179
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-09-21	Feet below surface:	181
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1970-08-26	Feet below surface:	195
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-07-24	Feet below surface:	180
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-06-24	Feet below surface:	180
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-05-25	Feet below surface:	179
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-04-27	Feet below surface:	179
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-04-03	Feet below surface:	179
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-03-24	Feet below surface:	180
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-03-17	Feet below surface:	180
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-02-25	Feet below surface:	180
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-01-23	Feet below surface:	95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-12-29	Feet below surface:	105
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-11-25	Feet below surface:	108
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-11-24	Feet below surface:	108
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-10-30	Feet below surface:	109
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-10-22	Feet below surface:	109
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-09-23	Feet below surface:	109
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-08-25	Feet below surface:	108
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-07-25	Feet below surface:	105
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-06-24	Feet below surface:	103
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-05-26	Feet below surface:	104
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-04-21	Feet below surface:	102
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1969-03-24	Feet below surface:	103
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-02-24	Feet below surface:	101
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-01-21	Feet below surface:	108.29
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-12-24	Feet below surface:	113.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-11-20	Feet below surface:	115.83
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-10-21	Feet below surface:	114.51
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-09-23	Feet below surface:	119.14
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-08-20	Feet below surface:	111.37
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-07-25	Feet below surface:	107.66
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-06-25	Feet below surface:	103.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-05-23	Feet below surface:	104.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-04-23	Feet below surface:	101.21
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-21	Feet below surface:	102.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-02-27	Feet below surface:	100.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-01-23	Feet below surface:	99.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-12-27	Feet below surface:	99.77
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-11-21	Feet below surface:	115.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-23	Feet below surface:	111.96
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-12	Feet below surface:	115.41
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-09-27	Feet below surface:	118.34
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-09-15	Feet below surface:	116.81
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1967-08-30	Feet below surface:	114.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-08-07	Feet below surface:	112.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-06-12	Feet below surface:	119.44
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-05-29	Feet below surface:	117.23
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-04-28	Feet below surface:	113.86
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-10-06	Feet below surface:	165
Feet to sea level:	Not Reported	Note:	Not Reported

AB562
NW
1/2 - 1 Mile
Lower

WA WELLS **WALOG1000681188**

Database:	Ecology Well Logs	Well Log ID:	1040769
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE33050	Date Received:	21-AUG-15
Diameter:	8	Casing Depth:	45
Well Completion:	23-JUL-15	Well Owner:	Johnson
Well Type:	Decommisioning	Driller #:	3123
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

AB563
NW
1/2 - 1 Mile
Lower

WA WELLS **WALOG1000736109**

Database:	Ecology Well Logs	Well Log ID:	1591151
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE59562	Date Received:	05-OCT-16
Diameter:	5	Casing Depth:	45
Well Completion:	20-SEP-16	Well Owner:	Olson
Well Type:	Resource Protection	Driller #:	3201
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

AB564
NW
1/2 - 1 Mile
Lower

WA WELLS **WALOG1000681185**

Database:	Ecology Well Logs	Well Log ID:	1040766
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE55433	Date Received:	21-AUG-15
Diameter:	8	Casing Depth:	25

Well Completion:	23-JUL-15	Well Owner:	Johnson
Well Type:	Resource Protection	Driller #:	3123
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

AB565
NW
1/2 - 1 Mile
Lower

WA WELLS **WALOG1000681186**

Database:	Ecology Well Logs	Well Log ID:	1040767
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE33050	Date Received:	21-AUG-15
Diameter:	8	Casing Depth:	25
Well Completion:	23-JUL-15	Well Owner:	Johnson
Well Type:	Decommisioning	Driller #:	3123
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

AB566
NW
1/2 - 1 Mile
Lower

WA WELLS **WALOG1000681187**

Database:	Ecology Well Logs	Well Log ID:	1040768
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE55433	Date Received:	21-AUG-15
Diameter:	8	Casing Depth:	45
Well Completion:	23-JUL-15	Well Owner:	Johnson
Well Type:	Resource Protection	Driller #:	3123
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

AB567
NW
1/2 - 1 Mile
Lower

WA WELLS **WALOG1000736110**

Database:	Ecology Well Logs	Well Log ID:	1591152
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE39218	Date Received:	05-OCT-16
Diameter:	5	Casing Depth:	45
Well Completion:	20-SEP-16	Well Owner:	Olson
Well Type:	Decommisioning	Driller #:	3201
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database | EDR ID Number

AB568
NW
1/2 - 1 Mile
Lower

WA WELLS **WALOG1000736112**

Database:	Ecology Well Logs	Well Log ID:	1591154
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	AE39218	Date Received:	05-OCT-16
Diameter:	5	Casing Depth:	35
Well Completion:	20-SEP-16	Well Owner:	Olson
Well Type:	Decommisioning	Driller #:	3201
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

AB569
NW
1/2 - 1 Mile
Lower

WA WELLS **WALOG1000736111**

Database:	Ecology Well Logs	Well Log ID:	1591153
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	SE59562	Date Received:	05-OCT-16
Diameter:	5	Casing Depth:	35
Well Completion:	20-SEP-16	Well Owner:	Olson
Well Type:	Resource Protection	Driller #:	3201
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

AC570
North
1/2 - 1 Mile
Lower

WA WELLS **WALOG1000328110**

Database:	Ecology Well Logs	Well Log ID:	412389
Well Tag:	AKN875	Project Tag:	Not Reported
Notice of Intent #:	R066412	Date Received:	23-JUN-05
Diameter:	0	Casing Depth:	21
Well Completion:	11-APR-05	Well Owner:	Wa State Dept Of Transportation
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

AC571
North
1/2 - 1 Mile
Lower

WA WELLS **WALOG1000328111**

Database:	Ecology Well Logs	Well Log ID:	412390
Well Tag:	AKN876	Project Tag:	Not Reported
Notice of Intent #:	R066412	Date Received:	23-JUN-05
Diameter:	0	Casing Depth:	25.5

Well Completion:	11-APR-05	Well Owner:	Wa State Dept Of Transportation
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

AC572
North
1/2 - 1 Mile
Lower

WA WELLS **WALOG1000328112**

Database:	Ecology Well Logs	Well Log ID:	412391
Well Tag:	AKN877	Project Tag:	Not Reported
Notice of Intent #:	R066412	Date Received:	23-JUN-05
Diameter:	0	Casing Depth:	21
Well Completion:	11-APR-05	Well Owner:	Wa State Dept Of Transportation
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

AC573
North
1/2 - 1 Mile
Lower

WA WELLS **WALOG1000328107**

Database:	Ecology Well Logs	Well Log ID:	412386
Well Tag:	AKN872	Project Tag:	Not Reported
Notice of Intent #:	R066412	Date Received:	23-JUN-05
Diameter:	0	Casing Depth:	21
Well Completion:	11-APR-05	Well Owner:	Wa State Dept Of Transportation
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

AC574
North
1/2 - 1 Mile
Lower

WA WELLS **WALOG1000328108**

Database:	Ecology Well Logs	Well Log ID:	412387
Well Tag:	AKN873	Project Tag:	Not Reported
Notice of Intent #:	R066412	Date Received:	23-JUN-05
Diameter:	0	Casing Depth:	20.5
Well Completion:	11-APR-05	Well Owner:	Wa State Dept Of Transportation
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AC575
North
1/2 - 1 Mile
Lower

WA WELLS **WALOG1000328109**

Database:	Ecology Well Logs	Well Log ID:	412388
Well Tag:	AKN874	Project Tag:	Not Reported
Notice of Intent #:	R066412	Date Received:	23-JUN-05
Diameter:	0	Casing Depth:	21.5
Well Completion:	11-APR-05	Well Owner:	Wa State Dept Of Transportation
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

AC576
North
1/2 - 1 Mile
Lower

WA WELLS **WALOG1000573738**

Database:	Ecology Well Logs	Well Log ID:	823277
Well Tag:	BHS404	Project Tag:	Not Reported
Notice of Intent #:	RE07455	Date Received:	15-OCT-12
Diameter:	8	Casing Depth:	15
Well Completion:	24-SEP-12	Well Owner:	Arco | Antea Group
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

AC577
North
1/2 - 1 Mile
Lower

WA WELLS **WALOG1000573741**

Database:	Ecology Well Logs	Well Log ID:	823283
Well Tag:	BHS407	Project Tag:	Not Reported
Notice of Intent #:	RE07455	Date Received:	15-OCT-12
Diameter:	8	Casing Depth:	20
Well Completion:	24-SEP-12	Well Owner:	Arco | Antea Group
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

AC578
North
1/2 - 1 Mile
Lower

WA WELLS **WALOG1000573740**

Database:	Ecology Well Logs	Well Log ID:	823281
Well Tag:	BHS406	Project Tag:	Not Reported
Notice of Intent #:	RE07455	Date Received:	15-OCT-12
Diameter:	8	Casing Depth:	15

Well Completion:	24-SEP-12	Well Owner:	Arco | Antea Group
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

AC579
North
1/2 - 1 Mile
Lower

WA WELLS **WALOG1000573739**

Database:	Ecology Well Logs	Well Log ID:	823279
Well Tag:	BHS405	Project Tag:	Not Reported
Notice of Intent #:	RE07455	Date Received:	15-OCT-12
Diameter:	8	Casing Depth:	15
Well Completion:	24-SEP-12	Well Owner:	Arco | Antea Group
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

580
North
1/2 - 1 Mile
Lower

WA WELLS **WALOG1000096759**

Database:	Ecology Well Logs	Well Log ID:	98705
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	Not Reported
Diameter:	6	Casing Depth:	168
Well Completion:	22-SEP-86	Well Owner:	Vincent Foster
Well Type:	Water	Driller #:	0233
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

AD581
ENE
1/2 - 1 Mile
Lower

WA WELLS **WALOG1000718759**

Database:	Ecology Well Logs	Well Log ID:	1563003
Well Tag:	Not Reported	Project Tag:	C12
Notice of Intent #:	SE57457	Date Received:	15-APR-16
Diameter:	9	Casing Depth:	41.5
Well Completion:	22-FEB-16	Well Owner:	Camelot Square
Well Type:	Resource Protection	Driller #:	3146
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AD582
ENE
1/2 - 1 Mile
Lower

WA WELLS **WALOG1000716902**

Database:	Ecology Well Logs	Well Log ID:	1561115
Well Tag:	BJX973	Project Tag:	Not Reported
Notice of Intent #:	RE12443	Date Received:	06-MAY-16
Diameter:	2	Casing Depth:	40
Well Completion:	22-FEB-16	Well Owner:	Camelot Square
Well Type:	Resource Protection	Driller #:	3146
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

AD583
ENE
1/2 - 1 Mile
Lower

WA WELLS **WALOG1000581330**

Database:	Ecology Well Logs	Well Log ID:	838480
Well Tag:	BHB878	Project Tag:	Not Reported
Notice of Intent #:	RE07961	Date Received:	29-JAN-13
Diameter:	4	Casing Depth:	20.9
Well Completion:	10-JAN-13	Well Owner:	Joe Judd - Wsdot
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

AD584
ENE
1/2 - 1 Mile
Lower

WA WELLS **WALOG1000718760**

Database:	Ecology Well Logs	Well Log ID:	1563004
Well Tag:	Not Reported	Project Tag:	C12
Notice of Intent #:	AE36065	Date Received:	15-APR-16
Diameter:	9	Casing Depth:	41.5
Well Completion:	22-FEB-16	Well Owner:	Camelot Square
Well Type:	Decommisioning	Driller #:	3146
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

AE585
SW
1/2 - 1 Mile
Higher

WA WELLS **WA1100000018529**

Database:	Water Wells	PWS ID:	41997
Source #:	29	Source Name:	Well 25
Source Status:	Active	Source Type:	Ground Water - Well
Source Use:	Permanent	Date Source Effective:	11/23/1992

Date Source Inactive:	Not Reported	Water Resource Inventory Area:	Puyallup-White
Well Depth:	350		
Source Susceptibility:	Moderate Susceptibility to Contaminants		
System Name:	LAKEHAVEN WATER AND SEWER DISTRICT		
Public Water System Group:	A	System Type:	Community Water System
Full Time Res Pop:	114404	Total Population Served:	114577
Total Connections:	43562	PWS Status:	Active
Residential Connections:	42372	DOE Well Tag:	Not Reported
Capacity (GPM):	1790	Influenced by Droughts:	N
Influenced by Flooding:	N	Influenced by Surface Water:	U

AF586
SE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000246028**

Database:	Ecology Well Logs	Well Log ID:	319664
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S006135	Date Received:	22-JUN-00
Diameter:	0	Casing Depth:	7
Well Completion:	30-MAY-00	Well Owner:	County Line Equipment
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

AF587
SE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000246029**

Database:	Ecology Well Logs	Well Log ID:	319665
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S006135	Date Received:	22-JUN-00
Diameter:	0	Casing Depth:	7
Well Completion:	30-MAY-00	Well Owner:	County Line Equipment
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

AF588
SE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000094687**

Database:	Ecology Well Logs	Well Log ID:	96429
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	Not Reported
Diameter:	6	Casing Depth:	320
Well Completion:	30-NOV-73	Well Owner:	Ralph Likens
Well Type:	Water	Driller #:	0097
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
AF589 **SE** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000100317**

Database:	Ecology Well Logs	Well Log ID:	103427
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	A021775	Date Received:	09-AUG-95
Diameter:	0	Casing Depth:	0
Well Completion:	Not Reported	Well Owner:	Federal Way Unocal Statin 3840
Well Type:	Decommisioning	Driller #:	1939
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
AF590 **SE** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000246030**

Database:	Ecology Well Logs	Well Log ID:	319666
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S006135	Date Received:	22-JUN-00
Diameter:	0	Casing Depth:	7
Well Completion:	30-MAY-00	Well Owner:	County Line Equipment
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
AF591 **SE** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000246034**

Database:	Ecology Well Logs	Well Log ID:	319670
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S006135	Date Received:	22-JUN-00
Diameter:	0	Casing Depth:	7
Well Completion:	30-MAY-00	Well Owner:	County Line Equipment
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
AF592 **SE** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000246035**

Database:	Ecology Well Logs	Well Log ID:	319671
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S006135	Date Received:	22-JUN-00
Diameter:	0	Casing Depth:	7

Well Completion:	30-MAY-00	Well Owner:	County Line Equipment
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

AF593
SE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000246033**

Database:	Ecology Well Logs	Well Log ID:	319669
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S006135	Date Received:	22-JUN-00
Diameter:	0	Casing Depth:	7
Well Completion:	30-MAY-00	Well Owner:	County Line Equipment
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

AF594
SE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000246031**

Database:	Ecology Well Logs	Well Log ID:	319667
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S006135	Date Received:	22-JUN-00
Diameter:	0	Casing Depth:	7
Well Completion:	30-MAY-00	Well Owner:	County Line Equipment
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

AF595
SE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000246032**

Database:	Ecology Well Logs	Well Log ID:	319668
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	S006135	Date Received:	22-JUN-00
Diameter:	0	Casing Depth:	7
Well Completion:	30-MAY-00	Well Owner:	County Line Equipment
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AG596
West
1/2 - 1 Mile
Lower

FED USGS **USGS40001255158**

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	21N/04E-05M04	Type:	Well
Description:	Not Reported	HUC:	17110019
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19490501
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1949-05-01
Feet below surface:	7	Feet to sea level:	Not Reported
Note:	Not Reported		

AG597
West
1/2 - 1 Mile
Lower

FED USGS **USGS40001255172**

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	21N/04E-05M03	Type:	Well
Description:	Not Reported	HUC:	17110019
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19600922
Well Depth:	125	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

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AE598
SW
1/2 - 1 Mile
Higher

FED USGS **USGS40001254796**

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	21N/04E-08F04	Type:	Well
Description:	GWSI DATABASE AUGMENTATION SITE		
HUC:	17110019	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Not Reported
Formation Type:	Unclassified Overburden	Aquifer Type:	Not Reported
Construction Date:	19881210	Well Depth:	445
Well Depth Units:	ft	Well Hole Depth:	526
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1989-01-24
Feet below surface:	286	Feet to sea level:	Not Reported

Note: Not Reported

AA599
ESE **WA WELLS** **WALOG1000688698**
1/2 - 1 Mile
Higher

Database:	Ecology Well Logs	Well Log ID:	1064576
Well Tag:	Not Reported	Project Tag:	ST FWLE C07
Notice of Intent #:	AE33877	Date Received:	21-OCT-15
Diameter:	9	Casing Depth:	36.5
Well Completion:	25-SEP-15	Well Owner:	Wsdot
Well Type:	Decommisioning	Driller #:	2769
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

AA600
ESE **WA WELLS** **WALOG1000688655**
1/2 - 1 Mile
Higher

Database:	Ecology Well Logs	Well Log ID:	1064533
Well Tag:	Not Reported	Project Tag:	ST FWLE C07
Notice of Intent #:	SE55963	Date Received:	21-OCT-15
Diameter:	9	Casing Depth:	36.5
Well Completion:	25-SEP-15	Well Owner:	Wsdot
Well Type:	Resource Protection	Driller #:	2769
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

AA601
ESE **WA WELLS** **WALOG1000688653**
1/2 - 1 Mile
Higher

Database:	Ecology Well Logs	Well Log ID:	1064531
Well Tag:	Not Reported	Project Tag:	ST FWLE C19
Notice of Intent #:	AE33707	Date Received:	21-OCT-15
Diameter:	6	Casing Depth:	100.5
Well Completion:	16-SEP-15	Well Owner:	Wsdot
Well Type:	Decommisioning	Driller #:	3119
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

AA602
ESE **WA WELLS** **WALOG1000803114**
1/2 - 1 Mile
Higher

Database:	Ecology Well Logs	Well Log ID:	1641629
Well Tag:	Not Reported	Project Tag:	B2
Notice of Intent #:	SE63494	Date Received:	09-OCT-17

Diameter:	2.25	Casing Depth:	15
Well Completion:	15-SEP-17	Well Owner:	Stewart
Well Type:	Resource Protection	Driller #:	2914
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

AA603
ESE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000803113**

Database:	Ecology Well Logs	Well Log ID:	1641628
Well Tag:	Not Reported	Project Tag:	B1
Notice of Intent #:	SE63494	Date Received:	09-OCT-17
Diameter:	2.25	Casing Depth:	15
Well Completion:	15-SEP-17	Well Owner:	Stewart
Well Type:	Resource Protection	Driller #:	2914
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

AA604
ESE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000716934**

Database:	Ecology Well Logs	Well Log ID:	1561147
Well Tag:	BJF864	Project Tag:	Not Reported
Notice of Intent #:	RE12083	Date Received:	06-MAY-16
Diameter:	2	Casing Depth:	40
Well Completion:	25-NOV-15	Well Owner:	Vilma Taylor
Well Type:	Resource Protection	Driller #:	3119
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

AA605
ESE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000269441**

Database:	Ecology Well Logs	Well Log ID:	345854
Well Tag:	AHB914	Project Tag:	Not Reported
Notice of Intent #:	R049025	Date Received:	16-OCT-02
Diameter:	0	Casing Depth:	15.5
Well Completion:	16-SEP-02	Well Owner:	Wa State Dept Of Transportation
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database | EDR ID Number

AA606
ESE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000246026**

Database:	Ecology Well Logs	Well Log ID:	319662
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	A001428	Date Received:	23-FEB-00
Diameter:	0	Casing Depth:	0
Well Completion:	08-OCT-95	Well Owner:	Wsdot
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

AA607
ESE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000102261**

Database:	Ecology Well Logs	Well Log ID:	106190
Well Tag:	Not Reported	Project Tag:	Not Reported
Notice of Intent #:	A000787	Date Received:	13-JAN-95
Diameter:	0	Casing Depth:	0
Well Completion:	Not Reported	Well Owner:	Pierce Co. Line To Tukwila
Well Type:	Decommisioning	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

AA608
ESE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000688652**

Database:	Ecology Well Logs	Well Log ID:	1064530
Well Tag:	Not Reported	Project Tag:	ST FWLE C19
Notice of Intent #:	SE55869	Date Received:	21-OCT-15
Diameter:	6	Casing Depth:	100.5
Well Completion:	16-SEP-15	Well Owner:	Wsdot
Well Type:	Resource Protection	Driller #:	3119
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

AA609
ESE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000581329**

Database:	Ecology Well Logs	Well Log ID:	838478
Well Tag:	BHB879	Project Tag:	Not Reported
Notice of Intent #:	RE07960	Date Received:	29-JAN-13
Diameter:	4	Casing Depth:	30

Well Completion:	09-JAN-13	Well Owner:	Joe Judd - Wsdot
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

AA610
ESE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000269442**

Database:	Ecology Well Logs	Well Log ID:	345855
Well Tag:	AHB904	Project Tag:	Not Reported
Notice of Intent #:	R049025	Date Received:	16-OCT-02
Diameter:	0	Casing Depth:	14.4
Well Completion:	16-SEP-02	Well Owner:	Wa State Dept Of Transportation
Well Type:	Resource Protection	Driller #:	Not Reported
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

AA611
ESE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000803115**

Database:	Ecology Well Logs	Well Log ID:	1641630
Well Tag:	Not Reported	Project Tag:	B3
Notice of Intent #:	SE63494	Date Received:	09-OCT-17
Diameter:	2.25	Casing Depth:	15
Well Completion:	15-SEP-17	Well Owner:	Stewart
Well Type:	Resource Protection	Driller #:	2914
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

AA612
ESE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000815262**

Database:	Ecology Well Logs	Well Log ID:	1637148
Well Tag:	Not Reported	Project Tag:	B1
Notice of Intent #:	SE62161	Date Received:	19-JUN-17
Diameter:	2.25	Casing Depth:	15
Well Completion:	23-MAY-17	Well Owner:	Vima Taylor
Well Type:	Resource Protection	Driller #:	3178
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
AA613 **ESE** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000806560**

Database:	Ecology Well Logs	Well Log ID:	1637195
Well Tag:	Not Reported	Project Tag:	B2
Notice of Intent #:	AE43070	Date Received:	19-JUN-17
Diameter:	2.25	Casing Depth:	15
Well Completion:	23-MAY-17	Well Owner:	Vima Taylor
Well Type:	Decommisioning	Driller #:	3178
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
AA614 **ESE** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000806559**

Database:	Ecology Well Logs	Well Log ID:	1637194
Well Tag:	Not Reported	Project Tag:	B4
Notice of Intent #:	SE62161	Date Received:	19-JUN-17
Diameter:	2.25	Casing Depth:	15
Well Completion:	23-MAY-17	Well Owner:	Vima Taylor
Well Type:	Resource Protection	Driller #:	3178
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
AA615 **ESE** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000816355**

Database:	Ecology Well Logs	Well Log ID:	1641633
Well Tag:	Not Reported	Project Tag:	B3
Notice of Intent #:	AE45164	Date Received:	09-OCT-17
Diameter:	2.25	Casing Depth:	15
Well Completion:	15-SEP-17	Well Owner:	Stewart
Well Type:	Decommisioning	Driller #:	2914
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
AA616 **ESE** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000815268**

Database:	Ecology Well Logs	Well Log ID:	1637154
Well Tag:	Not Reported	Project Tag:	B3
Notice of Intent #:	AE43070	Date Received:	19-JUN-17
Diameter:	2.25	Casing Depth:	15

Well Completion:	23-MAY-17	Well Owner:	Vima Taylor
Well Type:	Decommisioning	Driller #:	3178
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

AA617
ESE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000815263**

Database:	Ecology Well Logs	Well Log ID:	1637149
Well Tag:	Not Reported	Project Tag:	B1
Notice of Intent #:	SE62161	Date Received:	19-JUN-17
Diameter:	2.25	Casing Depth:	15
Well Completion:	24-MAY-17	Well Owner:	Vima Taylor
Well Type:	Resource Protection	Driller #:	3178
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

AA618
ESE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000806539**

Database:	Ecology Well Logs	Well Log ID:	1637174
Well Tag:	Not Reported	Project Tag:	B1
Notice of Intent #:	AE43070	Date Received:	19-JUN-17
Diameter:	2.25	Casing Depth:	15
Well Completion:	23-MAY-17	Well Owner:	Vima Taylor
Well Type:	Decommisioning	Driller #:	3178
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

AA619
ESE
1/2 - 1 Mile
Higher

WA WELLS **WALOG1000803117**

Database:	Ecology Well Logs	Well Log ID:	1641632
Well Tag:	Not Reported	Project Tag:	B2
Notice of Intent #:	AE45164	Date Received:	09-OCT-17
Diameter:	2.25	Casing Depth:	15
Well Completion:	15-SEP-17	Well Owner:	Stewart
Well Type:	Decommisioning	Driller #:	2914
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
AA620 **ESE** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000803116**

Database:	Ecology Well Logs	Well Log ID:	1641631
Well Tag:	Not Reported	Project Tag:	B1
Notice of Intent #:	AE45164	Date Received:	09-OCT-17
Diameter:	2.25	Casing Depth:	15
Well Completion:	15-SEP-17	Well Owner:	Stewart
Well Type:	Decommisioning	Driller #:	2914
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Dry Hole	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
AA621 **ESE** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000806553**

Database:	Ecology Well Logs	Well Log ID:	1637188
Well Tag:	Not Reported	Project Tag:	B3
Notice of Intent #:	SE62161	Date Received:	19-JUN-17
Diameter:	2.25	Casing Depth:	15
Well Completion:	23-MAY-17	Well Owner:	Vima Taylor
Well Type:	Resource Protection	Driller #:	3178
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
AA622 **ESE** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000806543**

Database:	Ecology Well Logs	Well Log ID:	1637178
Well Tag:	Not Reported	Project Tag:	B2
Notice of Intent #:	SE62161	Date Received:	19-JUN-17
Diameter:	2.25	Casing Depth:	15
Well Completion:	23-MAY-17	Well Owner:	Vima Taylor
Well Type:	Resource Protection	Driller #:	3178
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

	Database	EDR ID Number
AA623 **ESE** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG1000806540**

Database:	Ecology Well Logs	Well Log ID:	1637175
Well Tag:	Not Reported	Project Tag:	B4
Notice of Intent #:	AE43070	Date Received:	19-JUN-17
Diameter:	2.25	Casing Depth:	15

Well Completion:	23-MAY-17	Well Owner:	Vima Taylor
Well Type:	Decommisioning	Driller #:	3178
Static Level:	0	Flow Rate (GPM):	0
Flow Type:	Not Reported	PSI:	0
Well Test:	Not Reported	Water Reclamation #:	9

AG624
West
1/2 - 1 Mile
Lower

FED USGS **USGS40001255159**

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	21N/04E-05M02	Type:	Well
Description:	Not Reported	HUC:	17110019
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19010101
Well Depth:	125	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

---

AG625
West
1/2 - 1 Mile
Lower

FED USGS **USGS40001255173**

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	21N/04E-05M01	Type:	Well
Description:	Not Reported	HUC:	17110019
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19470101
Well Depth:	160	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1947-01-01
Feet below surface:	70	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for KING County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 98003

Number of sites tested: 2

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.150 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.100 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Ecology
Telephone: 360-407-6121

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Wells
Source: Department of Health
Telephone: 360-236-3148
Group A and B well locations.

Water Well Listing
Source: Public Utility District
Telephone: 206-779-7656
A listing of water well locations in Kitsap County.

Ecology Well Logs
Source: Department of Ecology
Telephone: 360-407-7294
Point geodatabase with a record for each Ecology well report. Points are located by quarter quarter section centroid. Points contain all well report types including water wells, resource protection wells, and decommissioned wells.

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Listing
Source: Department of Natural Resources
Telephone: 360-902-1450
Locations that represent oil and gas test well sites in Washington State from 1890 to present.

RADON

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

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APPENDIX C

South King Fire & Rescue
31617 1ST AVE S
Federal Way, WA 98003
253 839 6234
info@southkingfire.org

Incident Report
2020-2004475 -000

Printed: 06/04/2020 09:46:44
Number of Pages: 3

Basic	
Alarm Date and Time	14:36:58 Friday, March 20, 2020
Arrival Time	14:42:31
Controlled Date and Time	
Last Unit Cleared Date and Time	15:29:56 Friday, March 20, 2020
Response Time	0:05:33
Priority Response	Yes
Completed	Yes
Reviewed	Yes
Fire Department Station	66
Shift	D
Incident Type	412 - Gas leak (natural gas or LPG)
Aid Given or Received	N - None
Action Taken 1	44 - Hazardous materials leak control & containment
Casualties	No
Apparatus - Suppression	2
Personnel - Suppression Personnel	4
Hazardous Material Released	0 - Special hazmat actions required or spill >= 55 gallons
Property Use	981 - Construction site
Location Type	Address
Address	29805 Pacific HWY S
City, State Zip	FEDERAL WAY, WA 98003
District	1861NW
Directions	29805 PACIFIC HWY S

Person Involved - GIBSON, DREW/MALE	
Last Name	GIBSON
First Name	DREW/MALE
Street Address	
Phone	2066187121

Hazmat	
Area Affected	2 - Blocks
Area Affected Units	1
Cause of Release	2 - Unintentional release
Factors Contributing To Release 1	62 - Construction deficiency
Disposition	7 - Released to private agency

Hazmat Chemicals	
Chemical Name	Hazardous Material

Apparatus - E366	
Apparatus ID	E366
Response Time	0:05:33
Apparatus Dispatch Date and Time	14:36:58 Friday, March 20, 2020
En route to scene date and time	14:39:17 Friday, March 20, 2020
Apparatus Arrival Date and Time	14:42:31 Friday, March 20, 2020
Apparatus Clear Date and Time	15:29:53 Friday, March 20, 2020
Apparatus priority response	Yes

Apparatus - E366	
Number of People	3
Apparatus Use	1
Apparatus Action Taken 1	44 - Hazardous materials leak control & containment
Apparatus Type	11 - Engine
Personnel 1	WFF397 - Heier, Patrick R
	Position: DE
Personnel 2	WFF519 - Moore, Brian S
	Position: LT
Personnel 3	WFF557 - Somoza, Sal B
	Position: FF

Apparatus - B361	
Apparatus ID	B361
Response Time	0:06:17
Apparatus Dispatch Date and Time	14:38:40 Friday, March 20, 2020
En route to scene date and time	14:38:40 Friday, March 20, 2020
Apparatus Arrival Date and Time	14:44:57 Friday, March 20, 2020
Apparatus Clear Date and Time	15:29:56 Friday, March 20, 2020
Apparatus priority response	Yes
Number of People	1
Apparatus Use	1
Apparatus Action Taken 1	81 - Incident command
Apparatus Type	920 - Battalion Chief (On Duty)
Personnel 1	WFF140 - Weeks, Aaron S
	Position: BC

Authority	
Reported By	WFF519 - Moore, Brian S
	07:09:05 Monday, March 23, 2020
Officer In Charge	WFF140 - Weeks, Aaron S
	07:09:06 Monday, March 23, 2020
Reviewer	WFF630 - Brewer, Roy W
	13:55:29 Sunday, March 29, 2020

Narratives	
Narrative Name	CAD Narrative
Narrative Type	CAD Narrative
Author	- ,
Narrative Text	NGASXTNGASXTNatGas Lk Outsid--> 2020-03-20 14:36:55: HIT NATRAL GAS LINE OF CONSTRUCTION SITE,, --> 2020-03-20 14:36:56: Standard --> 2020-03-20 14:36:55: PPR --> 2020-03-20 14:36:58: DISPATCH:NGASXT, WF200004261, 29805 PACIFIC HWY S, FED, btwn S DASH POINT RD and 18TH AVE S, NO NAME CONSTRUCTION SITE, W9, WF1861NW, HIT NATRAL GAS LINE OF CONSTRUCTION SITE,,,

Narratives

Units:E366, WFBC - From FD23 03/20/2020 14:36:58
-->
2020-03-20 14:36:58: DISPATCH:NGASXT, WF200004261, 29805 PACIFIC HWY S, FED, btwn S DASH POINT RD and 18TH AVE S, NO NAME CONSTRUCTION SITE, W9, WF1861NW, HIT NATRAL GAS LINE OF CONSTRUCTION SITE,,, Units:E366, WFBC - From FD23 03/20/2020 14:36:58
-->
2020-03-20 14:36:58: DISPATCH:NGASXT, WF200004261, 29805 PACIFIC HWY S, FED, btwn S DASH POINT RD and 18TH AVE S, NO NAME CONSTRUCTION SITE, W9, WF1861NW, HIT NATRAL GAS LINE OF CONSTRUCTION SITE,,, Units:E366, WFBC - From FD23 03/20/2020 14:36:58
-->
2020-03-20 14:36:59: DISPATCH:NGASXT, WF200004261, 29805 PACIFIC HWY S, FED, btwn S DASH POINT RD and 18TH AVE S, WF1861NW, Units:E366, WFBC - From FD23 03/20/2020 14:36:58
-->
2020-03-20 14:37:00: DISPATCH:NGASXT, WF200004261, 29805 PACIFIC HWY S, FED, btwn S DASH POINT RD and 18TH AVE S, WF1861NW, Units:E366, WFBC - From FD23 03/20/2020 14:36:58
-->
2020-03-20 14:37:59: EVACUATED AREA,,, LINE LOCATED IN MIDDLE OF PROPERTY,,
-->
2020-03-20 14:44:49: MADE CONTACT W/ CONSTRUCTION, UNK SIZE OF BREAK
-->
2020-03-20 14:45:30: PSE ETA 15-20 MINS
-->
2020-03-20 14:49:11: AT B361
-->
2020-03-20 15:29:54: LEAK STOPPED

Narrative Name	E366
Narrative Type	Incident
Narrative Date	07:08:43 Monday, March 23, 2020
Author	WFF519 - Moore, Brian S
Author Rank	LT
Author Assignment	1
Narrative Text	Natural gas leak

End of Report

City of Federal Way
Community Development Services
P O Box 9718
Federal Way WA 98063 9718
Ph (253) 835 2607 Fax (253) 835 2609

Building - Commercial Permit #: 08-100378-00-CO

1861 005 000 000
SE-08 TI/FIRE

Inspection Request Line (253) 835-3050

Project Name **WIRB, INC**

Project Address **29805 PACIFIC HWY S**

Parcel Number **042104 9157**

Project Description **TI - Construction of new walls for office, etc repair and/or replacement of ceiling, painting, and exterior window and siding repair New plumbing fixtures included, no mechanical work.**

Owner	Applicant	Contractor	Lender
NIKLEXI LLC 629 E FRANCIS AVE SPOKANE WA 66208	MICHAEL HOVLAND HOVLAND ARCHITECTS 900 MERIDIAN AVE E SUITE 408 MILTON WA 98354	MOUNTAIN CONSTRUCTION MOUNTCI179N2 (01/01/09) 7457 S MADISON ST TACOMA WA 98409	NIKLEXI LLC 629 E FRANCIS AVE SPOKANE WA 66208

Census Category **437 - Commercial alt / add / conversion**

Includes	#1	#2	#3	#4
Occupancy Class	B	B		
Construction Type	Type V - B	Type V - B	Type V - B	
Occupancy Load				
Floor Area (sq ft)	3,157	1,470	3,783	0

Federal Way

Additional Permit Information

Existing Sprinkler System in Building?	No	Mechanical to be Included?	No
Number of Stories	2	Permit for Building Shell Only?	No
Plumbing to be Included?	Yes	New / Additional Sq Feet - Total	0
Occupancy #1 - Use	Motor Vehicle Showrooms	Sensitive Areas? (Wetlands/Slopes etc)	No
Zoning Designation	BC		

Plumbing Fixtures

Dishwashers	1	Lavatories	1	Sinks	1
Water Closets	1				

CONDITIONS:

Condition of Approval

Prior to certificate of occupancy for the recovery business, the planning division shall inspect the building and site to verify that the existing improvements associated with Phase I have been repaired and/or restored to a condition as near as physically possible to the condition required by the requirements of approval of the existing development Contact Deb Barker at 253-835-2642 to schedule this inspection This includes repair to the building and pavement as well as landscape maintenance

PERMIT EXPIRES Wednesday, April 21, 2010

Permit Issued on Monday, April 21, 2008

I hereby certify that the above information is correct and that the construction on the above described property and the occupancy and the use will be in accordance with the laws, rules and regulations of the State of Washington and the City of Federal Way

Owner or agent _____ Date 4/21/08

City of Federal Way

Certificate of Occupancy

This Certificate issued pursuant to the requirements of Section 110 2 of the International Building Code certifying that at the time of issuance, this structure was in compliance with the various ordinances of the City regulating building construction or use **This certificate is valid ONLY when endorsed by City staff**

Tenant Name **WIRB, INC.** Permit # **08-100378-00-CO**

Address **29805 PACIFIC HWY S**

Includes	#1	#2	#3	#4
Occupancy Class	B	B		
Construction Type	Type V - B	Type V - B	Type V - B	
Occupancy Load				
Floor Area (sq ft)	3,157	1,470	3,783	0

Owner Name NIKLEXI LLC

Owner Address 629 E FRANCIS AVE
SPOKANE WA 66208

Building Official

Date

The priority focus in the review and inspection made by the City prior to issuance of this Certificate was on those matters which experience has shown most severly affect the health and safety of the general public Although the City has made as complete a review and inspection as is reasonably possible (within budgetary time and personnel limitations), the City neither guarantees nor warrants to the owner / occupant or to any other person that this Certificate evidences strict compliance with each and every ordinance or regulation of the City or the State of Washington affecting the construction or use of said structure or the land upon which it is situated Such compliance is the responsibility of the owner and / or occupant of the premises

South King Fire & Rescue

31617 1st Avenue South
Federal Way, WA 98003-5201

INSPECTION RESULTS

OCCUPANCY/PROJECT NAME	
WIRB	
OCCUPANCY/PROJECT ADDRESS	PERMIT #
29805 PHS	C/O
CONTACT NAME	CONTACT PHONE #
SUE DOWN	(253) 568-9920

ITEM #	CORRECTIONS REQUIRED	COMPLY BY	DATE OK
(1)	PROVIDE FIRE EXTINGUISHERS AT APPROVED LOCATIONS AS FOLLOWS: (3) DOWNSTAIRS (1) UPSTAIRS MINIMUM SIZE 2A 10 BC * IF AREA INCLUDES AUTOMOBILE SERVICE OR REPAIR — 4A 40 BC	C/O FINAL	
(2)	OBTAIN FIRE ALARM FINAL		
(3)	INSTALL BUILDING ADDRESS NUMBERS IN AN APPROVED LOCATION AS FOLLOWS: — HIGH CONTRAST TO BACKGROUND — 6" MINIMUM HEIGHT — VISIBLE FROM PHS		
(4)	INSTALL SIGN — "FIRE ALARM PANEL INSIDE" — RED BACKGROUND, WHITE LETTERS — 1" MINIMUM LETTERING IN AN APPROVED LOCATION		
(5)	INSTALL KNOX BOX & PROVIDE KEYS		

AL BENNETT - WTN. CONST. — (253) 284-0413

The absence of any overlooked hazardous condition and/or violation(s) of the Fire Prevention Codes does not imply approval of such condition or violation(s)

DATE OF INSPECTION	INSPECTOR	PHONE #
10/15/08	D. MOUL	(253) 946-7245

Form 313 (Revised 1/08)

South King Fire and Rescue

Record of Completion

Fire Alarm and Fire Detection Systems

Fax to (253) 529-7206

Fire Alarm System is ready for Fire Department acceptance testing. Failure of test will result in termination of the testing.

Date 10-14-2008 Permit # _____
Installing Company Evergreen Fire & Security
Installing Company's Address 2720 S. J St.
City, State, Zip Tacoma WA 98409
Installer's Name (PRINT) Brian Butcher / Dan Malmen
License and/or Certificate EVERGREENFAL*G
Name of Facility WIRB
Property Address 29805 Pacific Hwy S.
City, State, Zip Federal Way 98003
Occupied as WIRB
Owner or Representative _____ Phone _____
General Contractor _____
Electrical Contractor _____
FACP Equipment Manufacturer Silent Knight Model No. IFP-100
This system has been installed, pre-tested and operates in accordance with the standards listed below, was inspected by Brian Butcher on 10/27/08
and includes the devices listed.

X NFPA 72, Chapter. 1 3 4 5 6 7 (circle all that apply)
✓ NFPA 70, *National Electrical Code,* Article 760 Manufacturer's Instructions
X Manufacturer's Instructions
X International Fire Code, 2003 ed
_____ Other (specify)

System is monitored by Proprietary____ Remote_____ Central Station X
Monitoring Company name Alarm Center Inc. Phone 800-752-2490
Address Po Box 3401 Lacey WA 98509
License and/or Certification # _____

Signed Lindsay Leslie

System Firmware
Installed version _____
Checksum _____ Date _____
Initial program installation _____ Date _____
Revisions and reasons _____

Programmed by _____

Comments _____

Record of Completion (con't)

EQUIPMENT INSTALLED AND TESTED:

Control Panel 1 of 1 Make/Model IFP-100 / Silent Knight

Manual Station 5 of 5 Make/Model SD500-PS / Silent Knight

Smoke Detectors 55 of 55 Make/Model SD505-APS / Silent Knight

Heat Detectors 10 of 10 Make/Model SD505-AHS / Silent Knight

Duct Detectors ____ of ____ Make/Model ____

A/V Devices 17 of 17 Make/Model ZRS-24MCW-FR / Wheelock

Audio Devices ____ of ____ Make/Model ____

Visual Devices 3 of 3 Make/Model ZRS-24MCW-FR / Wheelock

Auto Door Release ____ of ____ Make/Model ____

Trouble Indicators ____ of ____ Make/Model ____

Batteries ____ of ____ Make/Model ____

Battery Readings. Full Load ____ Charge ____

Generator ____ of ____ Make/Model ____

HVAC controls ____ of ____ Make/Model ____

Fire Alarm Dialer ____ of ____ Make/Model ____

Monitored by ____ Phone ____

Annunciator 1 of 1 Make/Model RA1000K / Silent Knight

Sprinkler System. (Fire Alarm connections only)

Water Flow Sw Ø of Ø Make/Model ____

Valve Tamper Sw. Ø of Ø Make/Model ____

PIV Ø of Ø Make/Model ____

Elec Alarm Bell Ø of Ø Make/Model ____

Automatic time Delay of General Alarm ____ minutes. None Installed X

South King Fire and Rescue
Record of Completion
Fire Alarm and Fire Detection Systems
Fax to (253) 529-7206

Fire Alarm System is ready for Fire Department acceptance testing. Failure of test will result in termination of the testing.

Date 10-14-2008 Permit # _____
Installing Company Evergreen Fire & Security
Installing Company's Address 2720 S J St.
City, State, Zip Tacoma WA 98409
Installer's Name (PRINT) Brian Butcher / Dan Molmen
License and/or Certificate EVERGREENFA*LG
Name of Facility WIRB
Property Address 29805 Pacific Hwy S.
City, State, Zip Federal Way 98003
Occupied as WIRB
Owner or Representative _____ Phone _____
General Contractor _____
Electrical Contractor _____
FACP Equipment Manufacturer Silent Knight Model No IFP-100
This system has been installed, pre-tested and operates in accordance with the standards listed below, was inspected by Brian Butcher on 10/27/08
and includes the devices listed

X NFPA 72, Chapter 1 3 4 5 6 7 (circle all that apply)
X NFPA 70, *National Electrical Code*, Article 760 Manufacturer's Instructions
X Manufacturer's Instructions
X International Fire Code, 2003 ed
_____ Other (specify)

System is monitored by Proprietary____ Remote_____ Central Station X
Monitoring Company name Alarm Center Inc Phone 800-752-2490
Address Po Box 3401 Lacey WA 98509
License and/or Certification # _____

Signed Lindsay Leali

System Firmware
Installed version _____
Checksum _____ Date _____
Initial program installation _____ Date _____
Revisions and reasons _____

Programmed by _____

Comments _____

Record of Completion (con't)

EQUIPMENT INSTALLED AND TESTED:

Control Panel 1 of 1 Make/Model IFP-100 / Silent Knight

Manual Station 5 of 5 Make/Model SD500-PS / Silent Knight

Smoke Detectors 55 of 55 Make/Model SD505-APS / Silent Knight

Heat Detectors 10 of 10 Make/Model SD505-AHS / Silent Knight

Duct Detectors _____ of _____ Make/Model _____

A/V Devices 17 of 17 Make/Model ZVS-24MCW-FR / Wheelock

Audio Devices _____ of _____ Make/Model _____

Visual Devices 3 of 3 Make/Model ZRS-24MCW-FR / Wheelock

Auto Door Release _____ of _____ Make/Model _____

Trouble Indicators _____ of _____ Make/Model _____

Batteries _____ of _____ Make/Model _____

Battery Readings Full Load _____ Charge _____

Generator _____ of _____ Make/Model _____

HVAC controls _____ of _____ Make/Model _____

Fire Alarm Dialer _____ of _____ Make/Model _____

Monitored by _____ Phone _____

Annunciator 1 of 1 Make/Model RA1000K / Silent Knight

Sprinkler System. (Fire Alarm connections only)

Water Flow Sw Ø of Ø Make/Model _____

Valve Tamper Sw Ø of Ø Make/Model _____

PIV Ø of Ø Make/Model _____

Elec Alarm Bell Ø of Ø Make/Model _____

Automatic time Delay of General Alarm _____ minutes None Installed X

1861/005/000

PUMP AND RINSE CERTIFICATION

DATE 11/3/00

32-48697

TO WHOM IT MAY CONCERN

This letter is to certify that tank(s), size(s)

2 - 750 Gal ~~Gas~~ Diesel U.S.T.

have been pumped and rinsed for removal

Work was performed at

25805 Pacific Hwy Federal Way

For

A.T.C.

Please note that this letter does **not** certify that the above tank(s) have been cleaned for disposal or that it (they) should be considered gas-free

Sincerely,

West Pac Environmental, Inc

Jay Smiley

Underground Tank Division
762-1190

PO Box 80743 • Seattle, WA 98108 • 54 So Dawson St • Seattle, WA 98134 • Phone 206-762-1190 • Toll Free 1-800-441-1090

WP 117

PUMP AND RINSE CERTIFICATION

DATE 11/6/00

22.49697

TO WHOM IT MAY CONCERN

This letter is to certify that tank(s), size(s)

1 - 1,000 gal. U.S.T.

have been pumped and rinsed for removal

Work was performed at

25805 Pacific Hwy Federal Way

For

A.T.C.

Please note that this letter does **not** certify that the above tank(s) have been cleaned for disposal or that it (they) should be considered gas-free

Sincerely,

West Pac Environmental, Inc

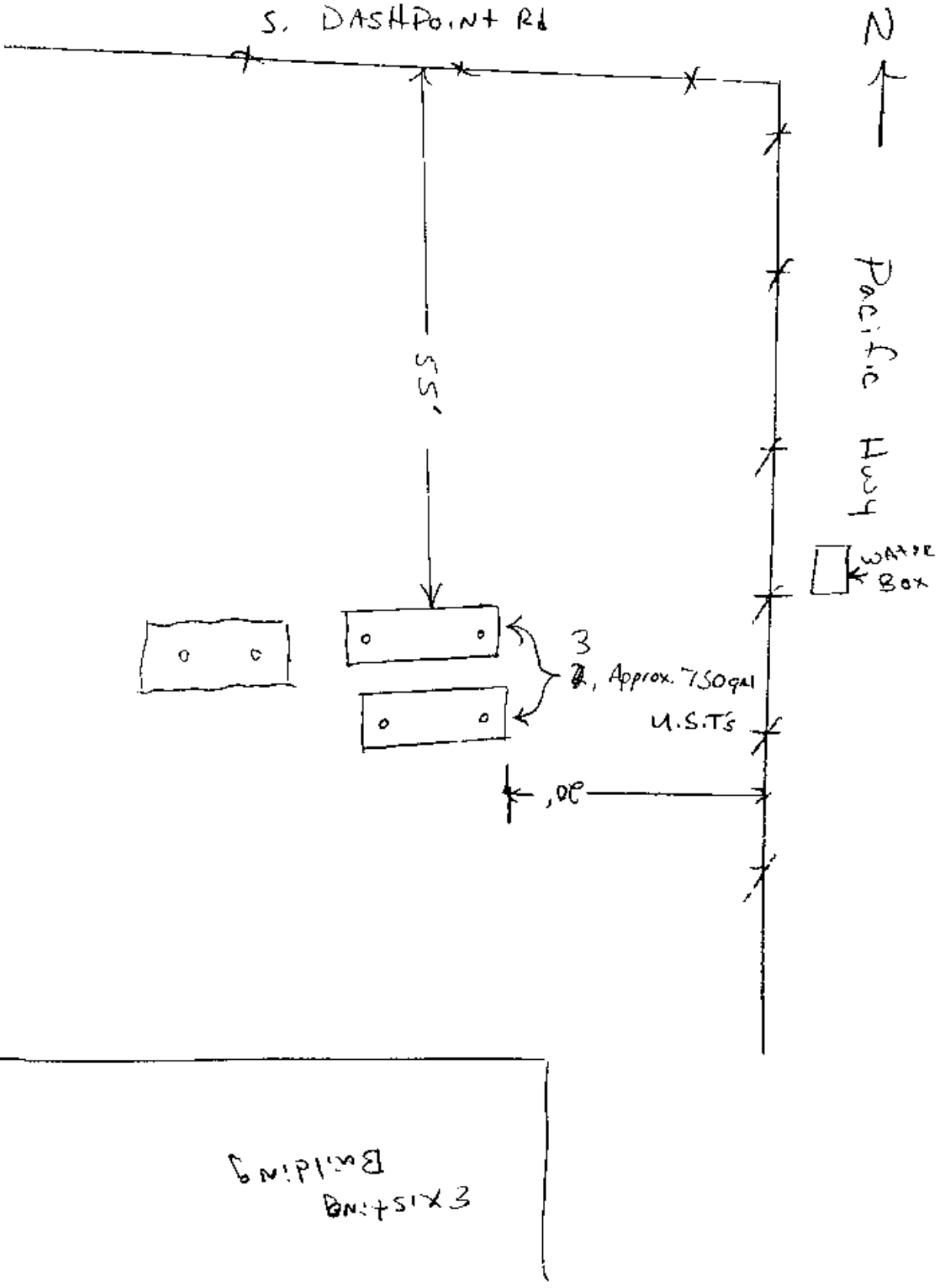
Underground Tank Division
762-1190

PO Box 80743 • Seattle, WA 98108 • 54 So Dawson St • Seattle, WA 98134 • Phone 206-762-1190 • Toll-Free 1-800-441-1090

(SITE MAP) 1861-005-000

Emerald SERVICES INC.

Emerald Services
Emerald Construction
Emerald Sanitary Service
Emerald Portable Storage
Emerald Petroleum Services



7343 E Marginal Way South • Seattle, Washington 98108 • (206) 832-3000 • Fax (206) 832-3030

Brożek, Greg

From Ingham, Chris
Sent Friday, November 03, 2000 2 24 PM
To Fire Prevention

gents

I looked at the tanks at the old 40 Rentals (296 & PHS) They had pulled 2 tanks and had found a third which they will be pulling on Monday around 0930

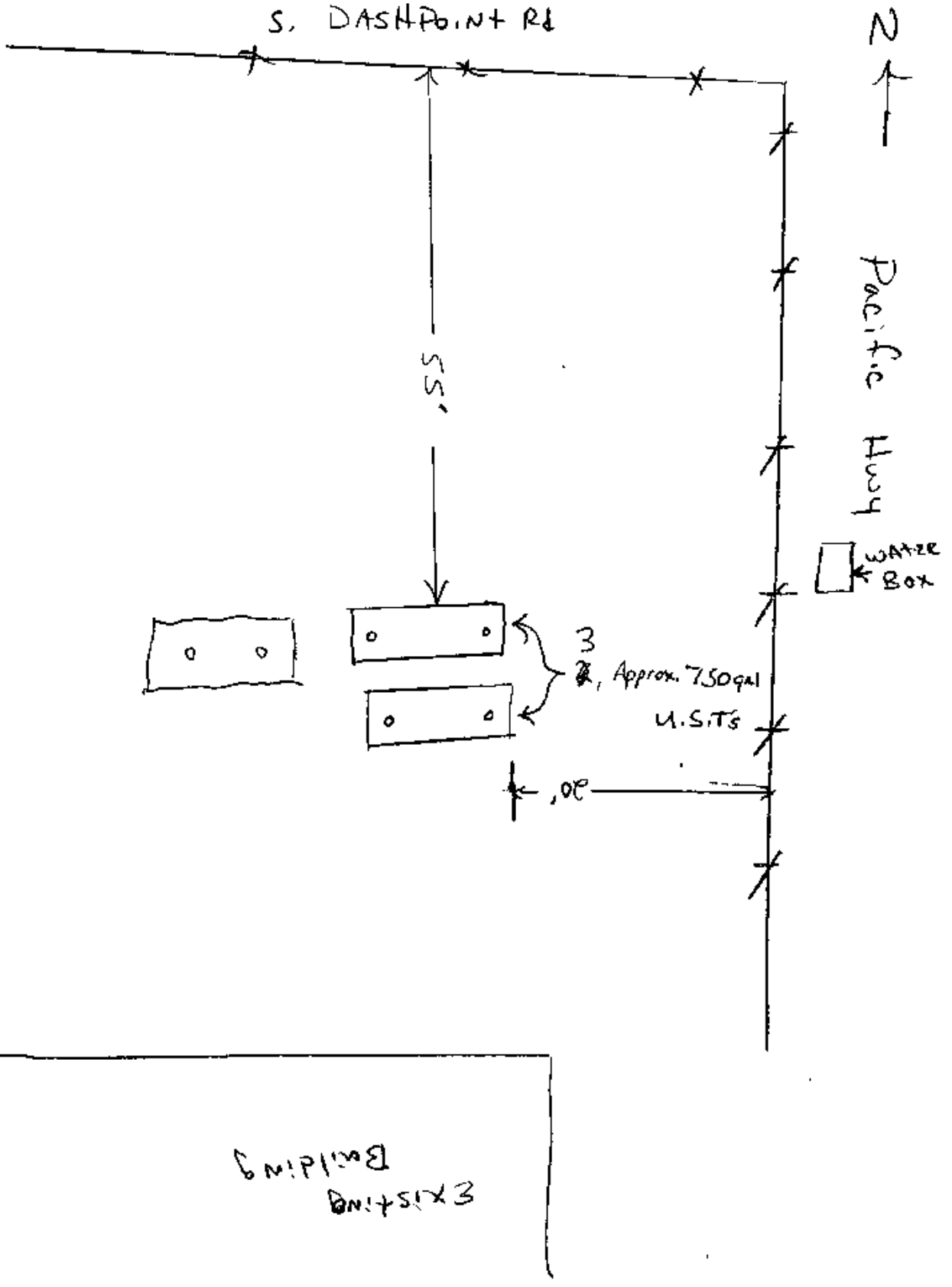
Thanks
CI

(SITE MAP 1

1861-005-000

Emerald SERVICES INC.

Emerald Services
Emerald Construction
Emerald Sanitary Service
Emerald Portable Storage
Emerald Petroleum Services



7343 E Marginal Way South • Seattle, Washington 98108 • (206) 832-3000 • Fax (206) 832-3030

1861-005-000

BUILDING PERMIT

BUILDING INSPECTION - 661-4140

CITY OF FEDERAL WAY
33530 First Way South
Federal Way, WA 98003
661-4000

PERMIT NO **BLD92-2597**
ISSUED **01/28/93**
BY **FC**

RENTAL MARTS

SITE ADDRESS **29805 PACIFIC HW S**
PARCEL NO. **042104-9157**
PROJECT DESCRIPTION **UNDERGROUND TANK REMOVAL - 5,000 GAL**

OWNER	CONTRACTOR	LENDER
RENTAL MART 29805 PACIFIC HWY S FEDERAL WAY WA 98003	O'SULLIVAN PETROLEUM EQUIPMENT 3214 16TH AVE SW SEATTLE WA 98134 682-2440 OSULLPE099PW	

BLD?,X MEC? PLM?	FLR--EXIST--PROP---		DWELLING UNITS. 0	COMP PLAN.. . ....?	
TYPE OF WORK,ALT USE,CON	1ST 0: 0.sf		STORIES 0	REQUIRED PARKING... 0	SPRINKLERS?.. ....?
CENSUS CATEGORY..... 437	2ND. 0: 0:sf		HEIGHT .... 0.00 ft		HAZARD CLASS ..?
OCCUPANCY GROUP----------	3RD.. 0. 0:sf		VALUATION----------	REQUIRED SETBACKS-------	FIRE FLOW . 0 gpm
N2 :? .? ?	OTHR: 0. 0:sf		EXIST..$: 0	FRONT.... .. 0 00 ft	
TYPE OF CONSTRUCTION-----	BSMT 0: 0 sf		PROP...$: 5300	SIDE ..... .: 0 00 ft	WATER SERVICE .:?
:5N ? ? ? .	DECK 0. 0 sf			REAR. . ... . 0.00 ft	SEWER SERVICE ..?
OCCUPANT LOAD----------	GAR. 0 0 sf		RECEIVED..12/24/92		
. 0 0: 0. 0.	TOTL. 0 0:sf			IMPERV SURFACE 0 sf	SENSITIVE AREAS?.:?

FUEL TYPES..? ?	FANS... 0	BOILERS/COMPRESSORS	WATER CLOSETS.....: 0	URINALS . .: 0	
GAS PIPING.: 0 ft	HOOD... . .: 0	0-3 HP. ... : 0	BATH TUBS.. . .. 0	DRINKING FOUNT.. 0	
FURN<100K... 0	DUCT WORK . .: 0	3-15 HP.....: 0	SHOWERS . . 0	SUMPS.... . .. 0	
GAS HWT . .- 0	WOOD STOVES .: 0	15-30 HP... 0	LAVATORIES 0	VAC BREAKERS.. : 0	
CONV BURNER 0	FURN>100K.. . . 0	30-50 HP..... 0	SINKS. 0	DRAINS. .. ...: 0	
BBQ 0	MISC. 0	5+ HP .....: 0	DISH WASHERS.....: 0	LAWN SPRINKLERS. 0	
GAS DRYER . 0	AIR HANDLING UNITS	FUEL TANKS---------	ELEC WTR HEATERS...: 0	OTHER FIXTURES.. 0	
RANGE.. . .. 0	<=10,000 CFM 0	ABOVE GROUND: 0	LAUN WSHR OUTLTS 0		
GAS LOGS . 0	> 10,000 CFM 0	UNDERGROUND : 0			

FEES:		
FINAL PLAN CHECK.. *	$	52.65
BUILDING PERMIT ...*	$	81.00
SBCC SURCHARGE. ..*	$	4.50
PUB WORKS-PLAN CHECK	$	40 00
TOTAL FEES	$	178.15

ALL PERMITS EXPIRE 180 DAYS AFTER ISSUANCE IF NO WORK IS STARTED RESIDENTIAL AND GRADING PERMITS EXPIRE ONE YEAR AFTER DATE OF ISSUANCE

I CERTIFY THAT THE INFORMATION FURNISHED BY ME IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND THE APPLICABLE CITY OF FEDERAL WAY REQUIREMENTS WILL BE MET

OWNER OR AGENT Brad Karvasek DATE 1/28/93

bld_prmt 10/23/92

1861-005-000

INSPECTION NOTES

BUSINESS NAME Rental Marts

CONTACT PERSON Sam Rose

ADDRESS 29805 Pacific Hwy S

PHONE

FMZ 1861-005-000

DATE **COMMENTS**

5/25/93 (1) 500 gallon diesel tank was removed by O'Sullivan company, the soil samples were taken by Harzon. I request Paul Riley from Harzon to send me a copy of his report.

CITY OF FEDERAL WAY
33530 First Way South
Federal Way, WA 98003
661-4000

BUILDING PERMIT

BUILDING INSPECTION - 661-4140

PERMIT NO BLD93-0468
ISSUED 05/21/93
BY FLF

SITE ADDRESS **29805 PACIFIC HWY S**
PARCEL NO **042104-9157**
PROJECT DESCRIPTION **UNDERGROUND TANK REMOVAL - (1) 5,000 GALLON TANK TO BE REMOVED**

OWNER
RENTAL MART
29805 PACIFIC HWY S
FEDERAL WAY WA 98003

CONTRACTOR
O'SULLIVAN PETROLEUM EQUIPMENT
3214 16TH AVE SW
SEATTLE WA 98134

682-2440
OSULLPE099PW

LENDER

BLD? X MEC? PLM?·
TYPE OF WORK:TEN USE-COM
CENSUS CATEGORY . ..:570
OCCUPANCY GROUP----------
M2 :? ·? :?
TYPE OF CONSTRUCTION-----
5N :? :? ·? .
OCCUPANT LOAD-----------
· 0: 0: 0· 0:

FLR	EXIST	PROP
1ST	0:	0 sf
2ND	0:	0 sf
3RD.	0:	0·sf
OTHR.	0:	0:sf
BSMT·	0:	0 sf
DECK·	0·	0 sf
GAR	0:	0 sf
TOTL	0·	0 sf

DWELLING UNITS 0
STORIES 0
HEIGHT ...· 0 00 ft
VALUATION----------
EXIST..$ 0
PROP $ 6000

RECEIVED. 04/30/93

COMP PLAN. ... . ?
REQUIRED PARKING.. 0
REQUIRED SETBACKS-------
FRONT . . ... . 0 00 ft
SIDE. .. ... . 0.00 ft
REAR... .....: 0 00 ft

IMPERV SURFACE: 0 sf

SPRINKLERS?. .. . ?
HAZARD CLASS ...?
FIRE FLOW ...: 0 gpm

WATER SERVICE.. ?
SEWER SERVICE.. ?

SENSITIVE AREAS?. N

FEES·

PLAN CHECK DEPOSIT *	$	53 00
FINAL PLAN CHECK *	$	0 35
BUILDING PERMIT. *	$	81 00
SBCC SURCHARGE.. *	$	4 50
PW INSPECTION FEE	$	120 00
PUB WORKS-PLAN CHECK	$	40.00
TOTAL FEES	$	298.15

FUEL TYPES
GAS PIPING. 0 ft
FURN<100K..· 0
GAS HWT....· 0
CONV BURNER· 0
BBQ..... 0
GAS DRYER.. 0
RANGE... . 0
GAS LOGS...· 0

FANS 0
HOOD... 0
DUCT WORK. ...· 0
WOOD STOVES.. 0
FURN>100K .. · 0
MISC... 0
AIR HANDLING UNITS
<=10,000 CFM· 0
> 10,000 CFM· 0

BOILERS/COMPRESSORS
0-3 HP . 0
3-15 HP. . 0
15-30 HP. .. 0
30-50 HP .. 0
5+ HP. . 0
FUEL TANKS---------
ABOVE GROUND 0
UNDERGROUND. 0

WATER CLOSETS. . 0
BATH TUBS. . .. 0
SHOWERS .. ..: 0
LAVATORIES ... .. .: 0
SINKS.. .. ..: 0
DISH WASHERS.. .. · 0
ELEC WTR HEATERS. .: 0
LAUN WSHR OUTLTS...: 0

URINALS.. .....: 0
DRINKING FOUNT.: 0
SUMPS.... 0
VAC BREAKERS...· 0
DRAINS 0
LAWN SPRINKLERS· 0
OTHER FIXTURES. 0

ALL PERMITS EXPIRE 180 DAYS AFTER ISSUANCE IF NO WORK IS STARTED RESIDENTIAL AND GRADING PERMITS EXPIRE ONE YEAR AFTER DATE OF ISSUANCE
I CERTIFY THAT THE INFORMATION FURNISHED BY ME IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND THE APPLICABLE CITY OF FEDERAL WAY REQUIREMENTS WILL BE MET

OWNER OR AGENT Nancy J. Kelly DATE 5-21-93

bld_prmt 10/23/92

FMZ # 1861 -005-000

Permit # UFC93-0079

CITY OF FEDERAL WAY
DEPARTMENT OF COMMUNITY DEVELOPMENT
BUILDING SECTION
661-4000

KING COUNTY FIRE PROTECTION
DISTRICT #39
FEDERAL WAY FIRE DEPARTMENT
839-6234

UNIFORM FIRE CODE PERMIT

NAME OF BUSINESS OR CONCERN **RENTAL MARTS**
ADDRESS OF BUSINESS **29805 PACIFIC HWY S**
PARCEL NO **??????-????**

PERMIT TO MAINTAIN, STORE, USE OR HANDLE MATERIALS, OR TO CONDUCT PROCESSES WHICH PRODUCE CONDITIONS HAZARDOUS TO LIFE OR PROPERTY, OR TO INSTALL EQUIPMENT USED IN CONNECTION WITH SUCH ACTIVITIES, OR TO CONDUCT AND/OR MAINTAIN A PLACE OF PUBLIC ASSEMBLY FOR 50 OR MORE PERSONS

CONDUCTING A **1)FLAMMABLE/COMBUSTIBLE LIQUIDS**
2)LIQUEFIED PETROLEUM GASES
3)WELDING/CUTTING OPERATIONS

By virtue of the provisions of the Fire Prevention Code of the City of Federal Way

Having made application in due form, and as conditions, surroundings, and arrangements are, in my opinion, such that the intent of the Fire Prevention Code can be observed, authority is hereby given and the PERMIT is GRANTED for

UBC OCC GROUP 82
TYPE CONST ?
WAFIRS #.. . ..?

UFC PMT TYPE :?

FIREWORKS STAND?-?

FIREWORKS DISPLAYS---
DATE / /
TIME. ?
STATE FWKS LIC #-----
:? :
PYROTECHNIC OPER LIC#
:? :
BOND AMT $· 0·

TOTAL FEES. $ 260.00

RECEIPT #: 02-21448

AIRCRAFT REFUEL 0	CRYOGENS,STORE/USE:0	HAZ MAT. .....:0	MATCHES..... .:0	REFRIG EQUIP..... 0
AIRCRAFT REPAIR 0	DRY CLEAN PLANT . ·0	HAZ MAT,RECYCLING 0	MED GAS INC LIQ ..:0	RIFLE RANGE ... 0
AIRPORTS/HELIPORTS.0	DUST PRODUCTION...·0	HAZ MAT,FIBERGLASS 0	OPEN FLAM;MARINAS :0	SPRAYING/DIPPING. ·0
AUTO WRECKING... . 0	EXPLOSIVE,MFR/USE..0	HAZ MAT;PRODUCTION·0	ORGANIC COATING. .·0	TANK VEHICLES..... 0
BONFIRES ..0	FLAM LIQ PIPELINE.:0	HIGH PILED COMBUST 0	OVENS,IND BAKING..:0	TENTS & CANOPIES..:0
BOWLING REFINISH ·0	FLAM LIQ TANKS...: 0	JUNK YARDS 0	PARADE FLOATS.. 0	WASTE MAT PLANT ..:0
BURNING/PUB PLACE 0	REMOVE UST : 0	LPG 1	ASSEMBLY 0	WELDING & CUTTING.:1
OPEN FLAME IN ASMB 0	FLAM LIQ IS STORE.:1	LUMBER YARDS 0	ASSEMBLY,150+..... 0	WOODWORKING ·0
CELLULOSE STORAGE 0	FRUIT RIPENING ·0	MAGNESIUM 0	ASSEMBLY,PROFIT.. ·0	
COMBUST MATETERIAL.0	FUMIGATION 0	MALL;EACH EVENT 0	ASSEMBLY,NON-PROF 0	
COMPRESSED GAS . :0	GARAGES.. 0	MALL;YEARLY..... :0	RADIOACTIVE MAT...·0	

This permit does not take the place of any License required by law is not treneferable
Any change in the use or occupancy of premises shall require a new permit

This permit expires **02/28/94** This permit must be renewed prior to expiration
THIS PERMIT MUST BE POSTED IN A CONSIPICUOUS PLACE ON THE PREMISES

-- NOT TRANSFERABLE --

INSPECTED BY

Kathleen Barlow
AGENT SIGNATURE

FIRE MARSHALL APPROVAL BY

6-15-93
DATE

ufc_prmt 07/01/92

FE" RAL WAY FIRE DEPARTMENT

INTER-DEPARTMENT MEMORANDUM

TO: File DATE: 8-7-90

FROM: Brozek

SUBJECT: Rental Marts - Green Connection

Stopped by the above today with Norm Bray (City Building). They were constructing a covered area attached to one of the buildings. They have previously constructed three green house buildings without a permit (King County has working on it). Norm posted a STOP WORK notice. JB

FORM 173 15M284

King County Fire Marshal's Office

450 King County Administration Bldg. Seattle, Washington 98104 Phone 344-2573

INSPECTION REPORT

INSPECTION DATE 7-25-88

BUSINESS NAME RENTAL MART INC CONTACT NAME JOHN URBAN.

ADDRESS 29805 - PAC HWY SO ZIP

MAILING ADDRESS ZIP

OWNERS NAME BUSINESS PHONE 839-6901

OCC CLASS	PERMIT #	ACTIVITY TYPE COMPLAINT	ZONE

The items listed below are violation(s) of the Uniform Fire Code and its references, under the authority of RCW 19 27, K C C Title 17 and King County Ordinance Numbers 7024, 6328, and 7881

VIOLATIONS AND / OR CORRECTIVE ACTIONS	REINSP DATE	CORR Y / N
CK LOCATION OF TANK. - IT IS 5FT FROM.		
THE SIDIE WALK,		
IT MUST BIE MOUE TO A LOCATION		
COMPATIBLE WITH THE ACOMPANING DIAGRAME	8/1/88	
CK THE EXTINGUISHER FOR CURRENT TAG		

Thank you in advance for your cooperation A reinspection will be conducted in approximately ____ days If you have any questions, please feel free to contact the King County Fire Marshal's Office between 8 00 am and 9 30 am, Monday through Friday

RECEIVED BY X [signature] INSPECTOR Rod Malon KC FMO

TITLE or CAPACITY FIRE DIST # 39, PAGE 1 of ____

Form #347 Revision 8/17/87 Distribution White Work Copy / Canary - Owner / Pink FD / Goldenrod File

FEDERAL WAY FIRE DEPARTMENT
INTER-DEPARTMENT MEMORANDUM

TO: File DATE: 4-8-98

FROM: Brozek

SUBJECT: Rental Mart

Stopped by site again today with Mike D. and Bill R. (KCBALD) Mike D. stated he was going to finish research on greenhouse and attached building and get something back to the owner next week outlining what would have to be done to these buildings to bring them up to Code.

FORM 173 15M284

ADDRESS: 29805 Pac Hwy So. FIRE DISTRICT: 39

BUSINESS NAME: RENTAL MART

CONTACT NAME: JOHN URBAN JR PHONE NO.: 839-6901

OCCUP. CLASS: B-2 / M-3? OCCUP. DESCRIPTION: GREEN HOUSE

TIME EXPENDED: 1½ hr PERMIT NO.: 6393 Temp PLAN CHECK NO.:

ACTIVITY TYPE: HAZ-MAT

REMARKS/ NOTED VIOLATIONS:

Stopped by to ck on a temporary tent structure. This is NOT A TEMPORARY structure and there is no intention of it being temporary. The Contractor is cooperative and was surprised that his permit was issued for a temporary tent structure.

We should figure some thing out or there will be a problem here. Come Oct 1, 1987

SHOULD BE M-3

NO. OF CODE VIOLATIONS:	NO. OF CODE VIOLATIONS CORRECTED:
CODE REFERENCES:	CODE REFERENCES:

SIGNATURE: Rick Malone DATE: 6-4-87

F-347 (rev. 9/86)
Distribution: White: FILE/ Canary: K.C.F.D./ Pink: B.A.L.D./ Goldenrod D.F.M.

King County
Building & Land Development Division
Parks, Planning and Resources Department
450 King County Administration Bldg
500 Fourth Avenue
Seattle, Washington 98104

March 17, 1987

Mr. Rich Bennett
Rental Mart
29805 Pacific Highway South
Federal Way, WA 98003

RE: Your Application C87-0283 (Greenhouse)

Dear Mr. Bennett:

The Throughput Screening Committee has reviewed the referenced drawings and determined that your proposed temporary greenhouse can not be reviewed under the Uniform Building Code. The U.B.C. does not provide standards for structures of this type. Therefore, I am returning your application fee of $490.05.

The Uniform Fire Code does provide for temporary tent structures. A permit is required from the King County Fire Marshal. Article 32 of the U.F.C. lists a number of conditions which must be met relating to the location of the structure, signage, lighting and type of material used for the covering.

In order to assist you in preparing plans, I have enclosed a list of thirteen specific Code requirements which need to be shown on your submitted plans. If you have any questions regarding your application, please telephone Steve Phelps, King County Fire Marshal at 344-6996. The application for a permit may be made in Room 300 of the King County Administration Building. This is the Fire Marshal's Office.

If you have any other questions, or if I may be of any assistance, please call me at 344-7932.

Sincerely,

Herb Haines
Throughput Committee Coordinator

HH:sc

cc: Tom McDonald, Interim Manager, Commercial/Multi-Family Products
Steve Phelps, Fire Marshal

Enclosures: check and list of permit conditions

APPLICATION DATE: 12-14-84

Fire Dist. # 39

KING COUNTY
FIRE MARSHAL'S OFFICE

PERMIT APPLICATION

APPLICATION FOR PERMIT TO MAINTAIN, STORE, USE OR HANDLE MATERIALS, OR TO CONDUCT PROCESSES WHICH PRODUCE CONDITIONS HAZARDOUS TO LIFE OR PROPERTY, OR TO INSTALL EQUIPMENT USED IN CONNECTION WITH SUCH ACTIVITIES, OR TO CONDUCT AND/OR MAINTAIN A PLACE OF PUBLIC ASSEMBLY FOR 50 OR MORE PERSONS.

Application is hereby made for a permit to:

STORE ☒ HANDLE ☐ MANUFACTURE ☐ KEEP FOR SALE ☒ CONDUCT ☒

List product(s), quantities and size of containers; or type of assembly occupancy:

ONE 1000 GAL PROPANE TANK UFC 82.102

CUTTING AND WELDING UFC 49.101

ONE 5,000 GAL UNDERGROUND GASOLINE STORAGE TANK
ONE 1,000 GAL UNDERGROUND GASOLINE STORAGE TANK
ONE 500 GAL UNDERGROUND GASOLINE STORAGE TANK
ONE 500 GAL UNDERGROUND DIESEL STORAGE TANK UFC 79.103

(Use reverse side for additional information)

New Application ☐ Renewal of Permit # 3760 (EXP 12-14-84)

Conditions, surroundings, and arrangements are to be in accordance with the Fire Prevention Code.

[signature] [illegible]
(Sign & Print Name of Applicant) (Telephone Number)

Name of Concern: RENTAL MARTS INC.

Address: 29805 PACIFIC HWY So FEDERAL WAY Zip: 98003

Mailing Address: _____ Zip: _____

Type of Concern (i.e. service station, etc.) EQUIPMENT RENTAL

RETURN APPLICATION TO:

Federal Way Fire Department
Fire Prevention Bureau
31617 - 1st Ave. S.
Federal Way, WA 98003

Telephone Number: 839-6234
927-3118

F-131
Revised
5-82

CF Federal Way LLC
29805 Pacific Hwy S
FEDERAL WAY, WA 98003

Inquiry Number: 6082624.8
June 04, 2020

EDR Building Permit Report

Target Property and Adjoining Properties

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

About This Report

Executive Summary

Findings

Glossary

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction orforecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

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EDR BUILDING PERMIT REPORT

About This Report

The EDR Building Permit Report provides a practical and efficient method to search building department records for indications of environmental conditions. Generated via a search of municipal building permit records gathered from more than 1,600 cities nationwide, this report will assist you in meeting the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

Building permit data can be used to identify current and/or former operations and structures/features of environmental concern. The data can provide information on a target property and adjoining properties such as the presence of underground storage tanks, pump islands, sumps, drywells, etc., as well as information regarding water, sewer, natural gas, electrical connection dates, and current/former septic tanks.

ASTM and EPA Requirements

ASTM E 1527-13 lists building department records as a "standard historical source," as detailed in § 8.3.4.7: "Building Department Records - The term building department records means those records of the local government in which the property is located indicating permission of the local government to construct, alter, or demolish improvements on the property." ASTM also states that "Uses in the area surrounding the property shall be identified in the report, but this task is required only to the extent that this information is revealed in the course of researching the property itself."

EPA's Standards and Practices for All Appropriate Inquires (AAI) states: "§312.24: Reviews of historical sources of information. (a) Historical documents and records must be reviewed for the purposes of achieving the objectives and performance factors of §312.20(e) and (f). Historical documents and records may include, but are not limited to, aerial photographs, fire insurance maps, building department records, chain of title documents, and land use records."

Methodology

EDR has developed the EDR Building Permit Report through our partnership with BuildFax, the nation's largest repository of building department records. BuildFax collects, updates, and manages building department records from local municipal governments. The database now includes 30 million permits, on more than 10 million properties across 1,600 cities in the United States.

The EDR Building Permit Report comprises local municipal building permit records, gathered directly from local jurisdictions, including both target property and adjoining properties. Years of coverage vary by municipality. Data reported includes (where available): date of permit, permit type, permit number, status, valuation, contractor company, contractor name, and description.

Incoming permit data is checked at seven stages in a regimented quality control process, from initial data source interview, to data preparation, through final auditing. To ensure the building department is accurate, each of the seven quality control stages contains, on average, 15 additional quality checks, resulting in a process of approximately 105 quality control "touch points."

For more information about the EDR Building Permit Report, please contact your EDR Account Executive at (800) 352-0050.

EDR® Environmental Data Resources Inc

BUILD FAX PROPERTY HISTORY

EXECUTIVE SUMMARY: SEARCH DOCUMENTATION

A search of building department records was conducted by Environmental Data Resources, Inc (EDR) on behalf of TGE Resources, Inc. on Jun 04, 2020.

TARGET PROPERTY

29805 Pacific Hwy S
FEDERAL WAY, WA 98003

SEARCH METHODS

EDR searches available lists for both the Target Property and Surrounding Properties.

RESEARCH SUMMARY

Building permits identified: **YES**

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Federal Way

Year	*Source*	*TP*	*Adjoining*
2020	City of Federal Way, Planning, Permits, and Licensing		X
	City of Federal Way, Planning, Permits, and Licensing	X	
2019	City of Federal Way, Planning, Permits, and Licensing		X
	City of Federal Way, Planning, Permits, and Licensing	X	
2018	City of Federal Way, Planning, Permits, and Licensing		X
	City of Federal Way, Planning, Permits, and Licensing	X	
2017	City of Federal Way, Planning, Permits, and Licensing		X
	City of Federal Way, Planning, Permits, and Licensing	X	
2016	City of Federal Way, Planning, Permits, and Licensing		X
2015	City of Federal Way, Planning, Permits, and Licensing		X
	City of Federal Way, Planning, Permits, and Licensing	X	
2014	City of Federal Way, Planning, Permits, and Licensing		X
	City of Federal Way, Planning, Permits, and Licensing	X	
2013	City of Federal Way, Planning, Permits, and Licensing		X
	City of Federal Way, Planning, Permits, and Licensing	X	
2012	City of Federal Way, Planning, Permits, and Licensing		X
	City of Federal Way, Planning, Permits, and Licensing	X	
2011	City of Federal Way, Planning, Permits, and Licensing		
2010	City of Federal Way, Planning, Permits, and Licensing		
2009	City of Federal Way, Planning, Permits, and Licensing		
2008	City of Federal Way, Planning, Permits, and Licensing		
2007	City of Federal Way, Planning, Permits, and Licensing		
2006	City of Federal Way, Planning, Permits, and Licensing		
2005	City of Federal Way, Planning, Permits, and Licensing		
2004	City of Federal Way, Planning, Permits, and Licensing		
2003	City of Federal Way, Planning, Permits, and Licensing		
2002	City of Federal Way, Planning, Permits, and Licensing		
2001	City of Federal Way, Planning, Permits, and Licensing		

EXECUTIVE SUMMARY: SEARCH DOCUMENTATION

Year	Source	TP	Adjoining
2000	City of Federal Way, Planning, Permits, and Licensing		
1999	City of Federal Way, Planning, Permits, and Licensing		
1998	City of Federal Way, Planning, Permits, and Licensing		
1997	City of Federal Way, Planning, Permits, and Licensing		
1996	City of Federal Way, Planning, Permits, and Licensing		

Name: JurisdictionName
Years: Years
Source: Source
Phone: Phone

BUILDING DEPARTMENT RECORDS SEARCHED

Name: Federal Way
Years: 1996-2020
Source: City of Federal Way, Planning, Permits, and Licensing, FEDERAL WAY, WA
Phone: (253) 835-7000

Name: Auburn
Years: 1988-2020
Source: City of Auburn, Washington Building, AUBURN, WA
Phone: (253) 931-3000

Name: Tacoma
Years: 1996-2020
Source: City of Tacoma, Building and Land Use, Tacoma, WA
Phone: (253) 591-5030

Name: Des Moines
Years: 1900-2020
Source: City of Des Moines, Planning and Building, SEATTLE, WA
Phone: (206) 870-6519

Name: King County Unincorporated Area
Years: 1981-2020
Source: King County, Department of Development and Environmental Services, SEATTLE, WA
Phone: (206) 296-6600

Name: Ellensburg
Years: 2011-2020
Source: City of Ellensburg, Building Division, ELLENSBURG, WA
Phone:

TARGET PROPERTY FINDINGS

TARGET PROPERTY DETAIL

29805 Pacific Hwy S
FEDERAL WAY, WA 98003

29805 PACIFIC HWY S

Date:	**3/2/2020**
Permit Type:	**Commercial**
Description:	
Permit Description:	**Demolition**
Work Class:	
Proposed Use:	
Permit Number:	20-100924-00-DE
Status:	Issued
Valuation:	$0.00
Contractor Company:	
Contractor Name:	ANDERSEN CONSTRUCTION CO OF WASH LLC

Date:	**9/26/2019**
Permit Type:	**Commercial**
Description:	
Permit Description:	**Electrical**
Work Class:	Temporary Power
Proposed Use:	
Permit Number:	19-104603-00-EL
Status:	Issued
Valuation:	$0.00
Contractor Company:	
Contractor Name:	SEA TAC ELECTRIC INC

TARGET PROPERTY FINDINGS

Date: **8/21/2019**
Permit Type: **Commercial**
Description:

Permit Description: **Electrical**
Work Class: New
Proposed Use:
Permit Number: 19-102235-00-EL
Status: Issued
Valuation: $0.00
Contractor Company:
Contractor Name: SEA TAC ELECTRIC INC

Date: **8/5/2019**
Permit Type: **Miscellaneous / Other**
Description:

Permit Description: **Building - Commercial**
Work Class: Addition
Proposed Use:
Permit Number: 19-101232-00-CO
Status: Issued
Valuation: $0.00
Contractor Company:
Contractor Name: ANDERSEN CONSTRUCTION CO OF WASH LLC

Date: **10/19/2018**
Permit Type: **Boundary Line Adjustment**
Description:

Permit Description: **Subdivision**
Work Class:
Proposed Use:
Permit Number: 18-102608-00-SU
Status: Closed
Valuation: $0.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **6/14/2018**
Permit Type: **Hospital**
Description:

Permit Description: **Building - Commercial**
Work Class: New
Proposed Use:
Permit Number: 18-102604-00-CO
Status: On-Hold
Valuation: $0.00
Contractor Company:
Contractor Name: ANDERSEN CONSTRUCTION CO

Date: **4/24/2018**
Permit Type: **Hospital**
Description:

Permit Description: **Building - Commercial**
Work Class: New
Proposed Use:
Permit Number: 18-101756-00-CO
Status: Cancelled
Valuation: $0.00
Contractor Company:
Contractor Name: ANDERSEN CONSTRUCTION CO

Date: **1/2/2018**
Permit Type: **Environmental Checklist**
Description:

Permit Description: **SEPA**
Work Class:
Proposed Use:
Permit Number: 18-100014-00-SE
Status: Chklst Comp. Review
Valuation: $0.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **9/19/2017**
Permit Type:
Description:

Permit Description: **Pre-Application Conference**
Work Class:
Proposed Use:
Permit Number: 17-104504-00-PC
Status: Closed
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **3/31/2015**
Permit Type: **Temporary**
Description:

Permit Description: **Sign**
Work Class: New
Proposed Use:
Permit Number: 15-101554-00-SG
Status: Closed
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **7/30/2014**
Permit Type: **Commercial**
Description:

Permit Description: **Electrical**
Work Class: Alteration/Repair
Proposed Use:
Permit Number: 14-103797-00-EL
Status: Finalled
Valuation: $0.00
Contractor Company:
Contractor Name: A D T LLC

TARGET PROPERTY FINDINGS

Date: **8/22/2013**
Permit Type: **Temporary**
Description:

Permit Description: **Sign**
Work Class: New
Proposed Use:
Permit Number: 13-103710-00-SG
Status: Issued
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **4/19/2013**
Permit Type: **Commercial**
Description:

Permit Description: **Electrical**
Work Class: Alteration/Repair
Proposed Use:
Permit Number: 13-101747-00-EL
Status: Finalled
Valuation: $0.00
Contractor Company:
Contractor Name: A D T LLC

Date: **8/6/2012**
Permit Type: **Commercial**
Description:

Permit Description: **Electrical**
Work Class: Alteration/Repair
Proposed Use:
Permit Number: 12-103591-00-EL
Status: Cancelled
Valuation: $0.00
Contractor Company:
Contractor Name: A D T LLC

TARGET PROPERTY FINDINGS

Date:	**1/19/2012**
Permit Type:	**Commercial**
Description:	
Permit Description:	**Electrical**
Work Class:	Alteration/Repair
Proposed Use:	
Permit Number:	12-100247-00-EL
Status:	Issued
Valuation:	$0.00
Contractor Company:	
Contractor Name:	TYCO INTEGRATED SECURITY LLC

ADJOINING PROPERTY FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

18TH AVE S

29618 18TH AVE S

Date:	**6/29/2015**
Permit Type:	**Residential**
Description:	
Permit Description:	**Electrical**
Work Class:	New
Proposed Use:	
Permit Number:	15-103123-00-EL
Status:	Finalled
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**6/23/2015**
Permit Type:	**Sprinkler System**
Description:	
Permit Description:	**Fire Prevention System**
Work Class:	New
Proposed Use:	
Permit Number:	15-102938-00-FP
Status:	Issued
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date: **12/16/2013**
Permit Type: **Residential**
Description:

Permit Description: **Electrical**
Work Class: Alteration/Repair
Proposed Use:
Permit Number: 13-105581-00-EL
Status: Issued
Valuation: $0.00
Contractor Company:
Contractor Name: ALPINE ELECTRIC AND LIGHTING LLC

Date: **11/1/2013**
Permit Type: **Site Built**
Description:

Permit Description: **Building - Single Family**
Work Class: New
Proposed Use:
Permit Number: 13-102976-00-SF
Status: C.O. Issued
Valuation: $0.00
Contractor Company:
Contractor Name: K K GENERAL CONTRACTOR

Date: **6/12/2013**
Permit Type: **Site Built**
Description:

Permit Description: **Building - Single Family**
Work Class: New
Proposed Use:
Permit Number: 13-102578-00-SF
Status: Withdrawn
Valuation: $0.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

29808 18TH AVE S

Date:	**5/10/2018**
Permit Type:	**Short Plat**
Description:	
Permit Description:	**Engineering**
Work Class:	
Proposed Use:	
Permit Number:	18-102029-00-EN
Status:	Approval Letter Issued
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**3/29/2018**
Permit Type:	**Short Plat**
Description:	
Permit Description:	**Subdivision**
Work Class:	
Proposed Use:	
Permit Number:	17-102861-00-SU
Status:	Admin. Appeal Per.
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**9/21/2016**
Permit Type:	**Residential**
Description:	
Permit Description:	**Electrical**
Work Class:	New
Proposed Use:	
Permit Number:	16-104722-00-EL
Status:	Cancelled
Valuation:	$0.00
Contractor Company:	
Contractor Name:	J & J ELECTRIC

ADJOINING PROPERTY FINDINGS

Date: **7/28/2016**
Permit Type: **Residential**
Description:

Permit Description: **Electrical**
Work Class: New
Proposed Use:
Permit Number: 16-103673-00-EL
Status: Finalled
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **7/25/2016**
Permit Type: **Site Built**
Description:

Permit Description: **Building - Single Family**
Work Class: New
Proposed Use:
Permit Number: 16-102142-00-SF
Status: C.O. Issued
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **6/23/2016**
Permit Type:
Description:

Permit Description: **Pre-Application Conference**
Work Class:
Proposed Use:
Permit Number: 16-103046-00-PC
Status: Closed
Valuation: $0.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

Date: **4/26/2016**
Permit Type: **Residential**
Description:

Permit Description: **Electrical**
Work Class: Temporary Power
Proposed Use:
Permit Number: 16-101996-00-EL
Status: Finalled
Valuation: $0.00
Contractor Company:
Contractor Name: K K GENERAL CONTRACTOR

Date: **7/19/2012**
Permit Type: **Short Plat**
Description:

Permit Description: **Subdivision**
Work Class:
Proposed Use:
Permit Number: 12-103332-00-SU
Status: Expired
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **3/30/2012**
Permit Type: **Short Plat**
Description:

Permit Description: **Pre-Application Conference**
Work Class:
Proposed Use:
Permit Number: 12-101438-00-PC
Status: Closed
Valuation: $0.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

29828 18TH AVE S

Date:	**8/6/2019**
Permit Type:	**Residential**
Description:	
Permit Description:	**Mechanical**
Work Class:	Alteration/Repair
Proposed Use:	
Permit Number:	19-103761-00-ME
Status:	Issued
Valuation:	$0.00
Contractor Company:	
Contractor Name:	VLAD HVAC

18TH AVE S UNIT A-104

29645 18TH AVE S UNIT A-104

Date:	**2/3/2020**
Permit Type:	**Multi Family**
Description:	
Permit Description:	**Electrical**
Work Class:	Alteration/Repair
Proposed Use:	
Permit Number:	20-100427-00-EL
Status:	Issued
Valuation:	$0.00
Contractor Company:	
Contractor Name:	A D T LLC

ADJOINING PROPERTY FINDINGS

Date: **10/16/2018**
Permit Type: **Residential**
Description:

Permit Description: **Electrical**
Work Class: Addition
Proposed Use:
Permit Number: 18-104858-00-EL
Status: Issued
Valuation: $0.00
Contractor Company:
Contractor Name: PROTECT YOUR HOME

Date: **3/10/2017**
Permit Type: **Multi Family**
Description:

Permit Description: **Electrical**
Work Class: Alteration/Repair
Proposed Use:
Permit Number: 17-101147-00-EL
Status: Finalled
Valuation: $0.00
Contractor Company:
Contractor Name: PRINCE TELECOM LLC

Date: **3/10/2015**
Permit Type: **Residential**
Description:

Permit Description: **Electrical**
Work Class: Alteration/Repair
Proposed Use:
Permit Number: 15-101151-00-EL
Status: Issued
Valuation: $0.00
Contractor Company:
Contractor Name: A D T LLC (ELECTRICAL 06)

ADJOINING PROPERTY FINDINGS

Date: **12/17/2013**
Permit Type: **Multi Family**
Description:

Permit Description: **Plumbing**
Work Class: Alteration/Repair
Proposed Use:
Permit Number: 13-105595-00-PL
Status: Issued
Valuation: $0.00
Contractor Company:
Contractor Name: WASHINGTON WATER HEATERS INC

Date: **9/3/2013**
Permit Type: **Condominium**
Description:

Permit Description: **Building - Multi Family**
Work Class: Alteration/Repair
Proposed Use:
Permit Number: 13-103854-00-MF
Status: Issued
Valuation: $0.00
Contractor Company:
Contractor Name: MCLEOD CONSTRUCTION LLC

Date: **5/6/2013**
Permit Type: **Multi Family**
Description:

Permit Description: **Plumbing**
Work Class: Alteration/Repair
Proposed Use:
Permit Number: 13-101960-00-PL
Status: Finalled
Valuation: $0.00
Contractor Company:
Contractor Name: FAST WATER HEATER CO

ADJOINING PROPERTY FINDINGS

Date: **8/28/2012**
Permit Type: **Multi Family**
Description:

Permit Description: **Plumbing**
Work Class: Alteration/Repair
Proposed Use:
Permit Number: 12-103949-00-PL
Status: Issued
Valuation: $0.00
Contractor Company:
Contractor Name: WASHINGTON WATER HEATERS INC

PACIFIC HWY S

29625 PACIFIC HWY S

Date: **12/17/2013**
Permit Type: **Commercial**
Description:

Permit Description: **Electrical**
Work Class: Alteration/Repair
Proposed Use:
Permit Number: 13-105593-00-EL
Status: Issued
Valuation: $0.00
Contractor Company:
Contractor Name: T M D ELECTRICAL CONTRACTING

ADJOINING PROPERTY FINDINGS

Date: **9/3/2013**
Permit Type: **Permanent**
Description:

Permit Description: **Sign**
Work Class: New
Proposed Use:
Permit Number: 13-102677-00-SG
Status: Issued
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **3/12/2012**
Permit Type: **Commercial**
Description:

Permit Description: **Electrical**
Work Class: Alteration/Repair
Proposed Use:
Permit Number: 12-101155-00-EL
Status: Finalled
Valuation: $0.00
Contractor Company:
Contractor Name: METRO ELECTRIC LLC

29815 PACIFIC HWY S

Date: **4/5/2018**
Permit Type: **Multi Family**
Description:

Permit Description: **Mechanical**
Work Class: Alteration/Repair
Proposed Use:
Permit Number: 18-101481-00-ME
Status: Issued
Valuation: $0.00
Contractor Company:
Contractor Name: FAST WATER HEATER CO

ADJOINING PROPERTY FINDINGS

Date: **8/24/2012**
Permit Type: **Miscellaneous / Other**
Description:

Permit Description: **Building - Commercial**
Work Class: Alteration/Repair
Proposed Use:
Permit Number: 12-103937-00-CO
Status: Finalled
Valuation: $0.00
Contractor Company:
Contractor Name:

PACIFIC S HWY

29600 PACIFIC S HWY

Date: **9/13/2016**
Permit Type:
Description:

Permit Description: **Pre-Application Conference**
Work Class:
Proposed Use:
Permit Number: 16-104551-00-PC
Status: Closed
Valuation: $0.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

Date: **7/9/2015**
Permit Type:
Description:

Permit Description: **Pre-Application Conference**
Work Class:
Proposed Use:
Permit Number: 15-103334-00-PC
Status: Closed
Valuation: $0.00
Contractor Company:
Contractor Name:

S DASH POINT RD

1520 S DASH POINT RD

Date: **4/3/2018**
Permit Type: **Commercial**
Description:

Permit Description: **Electrical**
Work Class: Alteration/Repair
Proposed Use:
Permit Number: 18-101426-00-EL
Status: Finalled
Valuation: $0.00
Contractor Company:
Contractor Name: FULLER ELECTRIC

ADJOINING PROPERTY FINDINGS

Date: **2/6/2017**
Permit Type: **Commercial**
Description:

Permit Description: **Electrical**
Work Class: Alteration/Repair
Proposed Use:
Permit Number: 17-100559-00-EL
Status: Issued
Valuation: $0.00
Contractor Company:
Contractor Name: A D T LLC (ELECTRICAL 06)

Date: **11/17/2016**
Permit Type: **Commercial**
Description:

Permit Description: **Electrical**
Work Class: Alteration/Repair
Proposed Use:
Permit Number: 16-105512-00-EL
Status: Issued
Valuation: $0.00
Contractor Company:
Contractor Name: GALLIHER ELECTRIC LLC

Date: **10/27/2016**
Permit Type: **Permanent**
Description:

Permit Description: **Sign**
Work Class: New
Proposed Use:
Permit Number: 16-104203-00-SG
Status: Issued
Valuation: $0.00
Contractor Company:
Contractor Name: TUBE ART DISPLAYS INC (GENERAL)

ADJOINING PROPERTY FINDINGS

Date: **8/25/2016**
Permit Type: **Permanent**
Description:

Permit Description: **Sign**
Work Class: New
Proposed Use:
Permit Number: 16-103767-00-SG
Status: Issued
Valuation: $0.00
Contractor Company:
Contractor Name: ILLUMINATIONS NORTHWEST (ELECTRICAL 04)

1530 S DASH POINT RD

Date: **3/5/2014**
Permit Type: **Commercial**
Description:

Permit Description: **Electrical**
Work Class: Alteration/Repair
Proposed Use:
Permit Number: 14-100996-00-EL
Status: Finalled
Valuation: $0.00
Contractor Company:
Contractor Name: S M E INC OF SEATTLE

Date: **2/25/2014**
Permit Type: **Office**
Description:

Permit Description: **Building - Commercial**
Work Class: Alteration/Repair
Proposed Use:
Permit Number: 14-100876-00-CO
Status: Issued
Valuation: $0.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

Date:	**1/30/2014**
Permit Type:	**Commercial**
Description:	
Permit Description:	**Electrical**
Work Class:	Alteration/Repair
Proposed Use:	
Permit Number:	14-100484-00-EL
Status:	Finalled
Valuation:	$0.00
Contractor Company:	
Contractor Name:	S M E INC OF SEATTLE

GLOSSARY

General Building Department concepts

- **ICC:** The International Code Council. The governing body for the building/development codes used by all jurisdictions who've adopted the ICC guidelines. MOST of the US has done this. Canada, Mexico, and other countries use ICC codes books and guides as well. There are a few states who have added guidelines to the ICC codes to better fit their needs. For example, California has added seismic retrofit requirements for most commercial structures.
- **Building Department (Permitting Authority, Building Codes, Inspections Department, Building and Inspections):** This is the department in a jurisdiction where an owner or contractor goes to obtain permits and inspections for building, tearing down, remodeling, adding to, re-roofing, moving or otherwise making changes to any structure, Residential or Commercial.
- **Jurisdiction:** This is the geographic area representing the properties over which a Permitting Authority has responsibility.
- **GC:** General Contractor. Usually the primary contractor hired for any Residential or Commercial construction work.
- **Sub:** Subordinate contracting companies or subcontractors. Usually a "trades" contractor working for the GC. These contractors generally have an area of expertise in which they are licensed like Plumbing, Electrical, Heating and Air systems, Gas Systems, Pools etc. (called "trades").
- **Journeymen:** Sub contractors who have their own personal licenses in one or more trades and work for different contracting companies, wherever they are needed or there is work.
- **HVAC (Mechanical, Heating & Air companies):** HVAC = Heating, Ventilation, and Air Conditioning.
- **ELEC (Electrical, TempPole, TPole, TPower, Temporary Power, Panel, AMP Change, Power Release):** Electrical permits can be pulled for many reasons. The most common reason is to increase the AMPs of power in an electrical power panel. This requires a permit in almost every jurisdiction. Other commons reason for Electrical permits is to insert a temporary power pole at a new construction site. Construction requires electricity, and in a new development, power has yet to be run to the lot. The temporary power pole is usually the very first permit pulled for new development. The power is released to the home owner when construction is complete and this sometimes takes the form of a Power Release permit or inspection.
- **"Pull" a permit:** To obtain and pay for a building permit.
- **CBO:** Chief Building Official
- **Planning Department:** The department in the development process where the building /structural plans are reviewed for their completeness and compliance with building codes
- **Zoning Department:** The department in the development process where the site plans are reviewed for their compliance with the regulations associated with the zoning district in which they are situated.
- **Zoning District:** A pre-determined geographic boundary within a jurisdiction where certain types of structures are permitted / prohibited. Examples are Residential structure, Commercial/Retail structures, Industrial/Manufacturing structures etc. Each zoning district has regulations associated with it like the sizes of the lots, the density of the structures on the lots, the number of parking spaces required for certain types of structures on the lots etc.
- **PIN (TMS, GIS ID, Parcel#):** Property Identification Number and Tax Map System number.
- **State Card (Business license):** A license card issued to a contractor to conduct business.
- **Building Inspector (Inspector):** The inspector is a building department employee that inspects building construction for compliance to codes.
- **C.O.:** Certificate of Occupancy. This is the end of the construction process and designates that the owners now have permission to occupy a structure after its building is complete. Sometimes also referred to as a Certificate of Compliance.

GLOSSARY

Permit Content Definitions

- Permit Number: The alphanumerical designation assigned to a permit for tracking within the building department system. Sometimes the permit number gives clues to its role, e.g. a "PL" prefix may designate a plumbing permit.
- Description: A field on the permit form that allows the building department to give a brief description of the work being done. More often than not, this is the most important field for EP's to find clues to the prior use(s) of the property.
- Permit Type: Generally a brief designation of the type of job being done. For example BLDG-RES, BLDG-COM, ELEC, MECH etc.

Sample Building Permit Data

Date: Nov 09, 2000
Permit Type: Bldg -
New Permit Number: 101000000405
Status: Valuation: $1,000,000.00
Contractor Company: OWNER-BUILDER
Contractor Name:

Description: New one store retail (SAV-ON) with drive-thru pharmacy. Certificate of Occupancy.

Chapter 19.220
COMMUNITY BUSINESS (BC)

Sections:

19.220.010 Office/retail – Manufacturing and production, limited.

19.220.015 Breweries, distilleries, and wineries.

19.220.020 Entertainment – Generally.

19.220.030 Vehicle and equipment sales, service, repair, rental – Self-service storage facilities.

19.220.040 Schools – Day care facilities, commercial – Animal kennels.

19.220.050 Multifamily dwelling units.

19.220.060 Hotels – Motels.

19.220.070 Hospital facilities – Convalescent centers – Nursing homes.

19.220.080 Senior citizen or special needs housing.

19.220.090 Group homes.

19.220.100 Social service transitional housing.

19.220.110 Government facility, public parks, public transit shelter.

19.220.115 Public utility.

19.220.120 Personal wireless service facility.

19.220.130 Churches.

19.220.140 Urban agriculture.

19.220.010 Office/retail – Manufacturing and production, limited.

The following uses shall be permitted in the community business (BC) zone subject to the regulations and notes set forth in this section:

USE REGULATIONS ⇩ ⇒	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS							
	Required Review Process	Minimums				Height of Structure	Required Parking Spaces	ZONE BC SPECIAL REGULATIONS AND NOTES
		Lot Size	Required Yards					
			Front	Side (each)	Rear			
Medical and dental	Process	None	0 ft.	0 ft.	0 ft.	35 ft.	1 for each	1. If approved by the director of community

USE REGULATIONS ⇓ ⇒	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS						ZONE BC
	Required Review Process	Minimums				Height of Structure	Required Parking Spaces	SPECIAL REGULATIONS AND NOTES
		Lot Size	Required Yards					
			Front	Side (each)	Rear			
offices; banking, financial, real estate, insurance, and other professional offices; research and development facilities whose primary purpose is not product testing General and specialty retail sales, as defined in this title, which includes, but is not necessarily limited to, products such as groceries, produce, and related items; drugs and (Continued)	II or, with SEPA, Process III		See notes 1 and 9	Except 20 ft. along residential zones		above average building elevation (AABE) to 55 ft. AABE and four floors See notes 1 and 3	300 sq. ft. of gross floor area Limited manufacturing and production: 1 for each 1,000 sq. ft. of gross floor area	development services, the height of a structure may exceed 35 ft. above average building elevation (AABE) to a maximum of 55 ft. AABE and four floors, if all of the following criteria are met: a. The additional height is necessary to accommodate the structural, equipment, or operational needs of the use conducted in the building, and/or all ground floor spaces have a minimum floor-to-ceiling height of 13 ft. and a minimum depth of 15 ft.; b. Height complies with note 3, below; c. Height over 35 ft. is set back from nonresidential zones by one ft. for each one ft. of height over 35 ft.; and d. Rooflines are designed to avoid a predominantly flat and featureless appearance through variations in roof height, forms, angles, and materials. 2. The following regulations apply to veterinary office only: a. May only treat small animals on the subject property. b. May not include outside runs or other outside facilities for the animals; otherwise, use shall be reviewed under FWRC 19.220.040. c. The site must be designed so that noise from this use will not be audible off the subject property, based on a certificate to this effect signed by an acoustical engineer and filed with the development permit application. 3. Building height may not exceed 30 ft. AABE when located within 100 ft. of a residential zone. 4. Access to and from drive-through facilities must be approved by the public works department. Drive-through facilities must be designed so that vehicles will not block traffic in the street while waiting in line and will not unreasonably interfere with on-site traffic flow. 5. Manufacturing and production, limited, as defined in this title, or similar uses as may be approved by the director of community development services, if the proposed use is determined to be consistent

USE REGULATIONS ⇓ ⇒	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS							
	Required Review Process	Minimums				Height of Structure	Required Parking Spaces	ZONE BC SPECIAL REGULATIONS AND NOTES
		Lot Size	Required Yards					
			Front	Side (each)	Rear			
								with adopted comprehensive plan policies for this zone. 6. Outdoor use, activity and storage is regulated by FWRC 19.125.170. 7. No maximum lot coverage is established. Instead, the buildable area will be determined by other site development requirements, i.e., required buffers, parking lot landscaping, surface water facilities, etc. 8. For community design guidelines that apply to the project, see Chapter 19.115 FWRC. 9. For landscaping requirements that apply to the project, see Chapter 19.125 FWRC. (Continued)
Process I, II, III and IV are described in Chapter 19.55 FWRC, Chapter 19.60 FWRC, Chapter 19.65 FWRC, Chapter 19.70 FWRC respectively.								For other information about parking and parking areas, see Chapter 19.130 FWRC. For details of what may exceed this height limit, see FWRC 19.110.050 et seq. For details regarding required yards, see FWRC 19.125.160 et seq.

19.220.010 Office/retail – Manufacturing and production, limited. (Continued)

USE REGULATIONS ⇓ ⇒	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS							
	Required Review Process	Minimums				Height of Structure	Required Parking Spaces	ZONE BC SPECIAL REGULATIONS AND NOTES
		Lot Size	Required Yards					
			Front	Side (each)	Rear			

USE ⇓ REGULATIONS ⇒	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS							ZONE BC SPECIAL REGULATIONS AND NOTES
	Required Review Process	Minimums				Height of Structure	Required Parking Spaces	
		Lot Size	Required Yards					
			Front	Side (each)	Rear			
personal care products; books; liquor; hardware; garden, nursery or agricultural products, and related items; household goods; clothing; variety; home electronics; sporting goods; signs; secondhand merchandise; antiques; works of art; retail establishment providing laundry, dry cleaning, beauty and barber, video rental, shoe repair; printing and duplicating services Manufacturing and production, limited (see note 5) Other retail not specifically listed in this zone, excluding bulk retail as defined in this title See note 12								10. For sign requirements that apply to the project, see Chapter 19.140 FWRC. 11. Refer to Chapter 19.265 FWRC to determine what other provisions of this title may apply to the subject property and the project. 12. Other retail uses may be approved if the director of community development services determines that the characteristics and impacts of the proposed use are analogous to other listed uses and the proposed use is consistent with adopted comprehensive plan policies for this zone.

Process I, II, III and IV are described in Chapter 19.55 FWRC, Chapter 19.60 FWRC, Chapter 19.65 FWRC, Chapter 19.70 FWRC respectively.

For other information about parking and parking areas, see Chapter 19.130 FWRC.

For details of what may exceed this height limit, see FWRC 19.110.050 et seq.

For details regarding required yards, see FWRC 19.125.160 et seq.

(Ord. No. 12-735, § 4(Exh. A), 12-4-12; Ord. No. 12-724, § 9(Exh. A), 6-5-12; Ord. No. 07-559, § 3(Exh. A), 7-3-07; Ord. No. 00-375, § 18, 10-3-00; Ord. No. 97-291, § 3, 4-1-97; Ord. No. 96-270, § 5, 7-2-96; Ord. No. 93-170, § 7(Exh. B), 4-20-93; Ord. No. 90-43, § 2(45.55), 2-27-90. Code 2001 § 22-751.)

19.220.015 Breweries, distilleries, and wineries.

The following uses shall be permitted in the community business (BC) zone subject to the regulations and notes set forth in this section:

USE REGULATIONS ⇓ ⇒	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS							
	Required Review Process	Minimums				Height of Structure	Required Parking Spaces	ZONE BC SPECIAL REGULATIONS AND NOTES
		Lot Size	Required Yards					
			Front	Side (each)	Rear			
Breweries, distilleries, wineries	Process II or, with SEPA, Process III	None	0 ft.	0 ft.	0 ft.	The height of an existing structure or 35 ft. above average building elevation (AABE) to 55 ft. AABE, which shall not exceed four floors for new structures See notes 1and 2	3 parking spaces for a tasting room, plus 1 parking space for employee parking, plus 2 parking spaces for each 3,000 sq. ft. of production area	1. If approved by the director of community development, the height of a structure may exceed 35 ft. above average building elevation (AABE), to a maximum of 55 ft. AABE, which shall not exceed four floors for new structures, if all of the following criteria are met: (a) The additional height is necessary to accommodate the structural, equipment, or operational needs of the use conducted in the building, and/or all ground floor spaces have a minimum floor-to-ceiling height of 13 ft. and a minimum depth of 15 ft.; (b) Height complies with note 2, below; (c) Height over 35 ft. is set back from nonresidential zones by one ft. for each one ft. of height over 35 ft. with a 20-foot yard setback at 55 ft. height; and (d) Roof lines are designed to avoid a predominantly flat and featureless appearance through variations in roof height, forms, angles, and materials. 2. Building height may not exceed 30 ft. AABE when located within 100 ft. of a residential zone. 3. Outdoor use, activity, and storage are regulated by FWRC 19.125.170. 4. No maximum lot coverage is established. Instead, the buildable area will be determined by other site development requirements, e.g., required buffers, parking lot landscaping, surface water facilities, etc. 5. For community design guidelines that apply to the project, see Chapter 19.115 FWRC. 6. For landscaping requirements that apply to the project, see Chapter 19.125 FWRC. 7. For sign requirements that apply to the project, see Chapter 19.140 FWRC. 8. Refer to Chapter 19.265 FWRC to determine what other provisions of this chapter may apply to the subject property and the project.
				Except 20 ft. along residential zones				
			See note 6					
Process I, II, III and IV are described in Chapter 19.55 FWRC,								For other information about parking and parking areas, see Chapter 19.130 FWRC.

Chapter 19.60 FWRC, Chapter 19.65 FWRC, Chapter 19.70 FWRC respectively **USE REGULATIONS** ⇓ ⇒	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS							
	Required Review Process	Minimums				Height of Structure	Required Parking Spaces	ZONE BC SPECIAL REGULATIONS AND NOTES
		Lot Size	Required Yards					
			Front	Side (each)	Rear			
						For details of what may exceed this height limit, see FWRC 19.110.050 et seq.		
						For details regarding required yards, see FWRC 19.125.160 et seq.		

(Ord. No. 18-844, § 17, 3-6-18.)

19.220.020 Entertainment – Generally.

The following uses shall be permitted in the community business (BC) zone subject to the regulations and notes set forth in this section:

USE REGULATIONS ⇓ ⇒	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS							
	Required Review Process	Minimums				Height of Structure	Required Parking Spaces	ZONE BC SPECIAL REGULATIONS AND NOTES
		Lot Size	Required Yards					
			Front	Side (each)	Rear			
Retail establishment providing entertainment, recreational or cultural services or activities Private club or lodge Health club, indoor pistol range, bingo hall and related uses (excluded gambling uses as defined in this title) Golf course and driving range Restaurant or tavern Fast food restaurant	Process II or, with SEPA, Process III See notes 1 and 3	None	0 ft. See note 7	0 ft. Except 20 ft. along residential zones	0 ft.	35 ft. above average building elevation (AABE), to 55 ft. AABE and four floors See notes 1 and 2	1 for each 100 sq. ft. of gross floor area Health club: 1 for each 100 sq. ft. of gross floor area: 1 for each 500 sq. ft. of sport court and pool Indoor pistol range: 1 for each lane and 1 for each 300 sq. ft. of gross	1. If approved by the director of community development services, the height of a structure may exceed 35 ft. above average building elevation (AABE) to a maximum of 55 ft. AABE and four floors, if all of the following criteria are met: a. The additional height is necessary to accommodate the structural, equipment, or operational needs of the use conducted in the building, and/or all ground floor spaces have a minimum floor-to-ceiling height of 13 ft. and a minimum depth of 15 ft.; b. Height complies with note 2, below; c. Height over 35 ft. is set back from nonresidential zones by one ft. for each one ft. of height over 35 ft.; and d. Rooflines are designed to avoid a predominantly flat and featureless appearance through variations in roof height, forms, angles, and materials. 2. Building height may not exceed 30 ft. AABE when located within 100 ft. of a residential zone.

USE REGULATIONS ⇓ ⇒	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS Required Review Process	Minimums Lot Size	Required Yards Front	Side (each)	Rear	Height of Structure	Required Parking Spaces	ZONE BC SPECIAL REGULATIONS AND NOTES
							floor area of retail/office Golf course and driving range: 9 for each hole and 1 for each driving station Fast food restaurants: 1 for each 80 sq. ft.	3. Access to and from drive-through facilities must be approved by the public works department. Drive-through facilities must be designed so that vehicles will not block traffic in the street while waiting in line and will not unreasonably interfere with on-site traffic flow. 4. Fast food restaurants must provide one outdoor waste receptacle for every eight parking spaces. 5. No maximum lot coverage is established. Instead, the buildable area will be determined by other site development requirements, i.e., required buffers, parking lot landscaping, surface water facilities, etc. 6. For community design guidelines that apply to the project, see Chapter 19.115 FWRC. 7. For landscaping requirements that apply to the project, see Chapter 19.125 FWRC. 8. For sign requirements that apply to the project, see Chapter 19.140 FWRC. 9. Refer to Chapter 19.265 FWRC to determine what other provisions of this title may apply to the subject property. 10. Minor and supporting structures constructed as a functional requirement of golf courses and golf driving ranges may exceed the applicable height limitation; provided, that the director of community development services determines that such structures will not significantly impact adjacent properties.
Process I, II, III and IV are described in Chapter 19.55 FWRC, Chapter 19.60 FWRC, Chapter 19.65 FWRC, Chapter 19.70 FWRC respectively.								For other information about parking and parking areas, see Chapter 19.130 FWRC. For details of what may exceed this height limit, see FWRC 19.110.050 et seq. For details regarding required yards, see FWRC 19.125.160 et seq.

(Ord. No. 12-735, § 4(Exh. A), 12-4-12; Ord. No. 12-724, § 9(Exh. A), 6-5-12; Ord. No. 07-559, § 3(Exh. A), 7-3-07; Ord. No. 01-390, § 3, 6-5-01; Ord. No. 99-333, § 3, 1-19-99; Ord. No. 97-291, § 3, 4-1-97; Ord. No. 96-270, § 5, 7-2-96; Ord. No. 93-170, § 7(Exh. B), 4-20-93; Ord. No. 90-43, § 2(45.40), 2-27-90. Formerly 22-753. Code 2001 § 22-752.)

19.220.030 Vehicle and equipment sales, service, repair, rental – Self-service storage facilities.

The following uses shall be permitted in the community business (BC) zone subject to the regulations and notes set forth in this section:

USE REGULATIONS ⇓ ⇒	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS							ZONE BC SPECIAL REGULATIONS AND NOTES
	Required Review Process	Minimums				Height of Structure	Required Parking Spaces	
		Lot Size	Required Yards					
			Front	Side (each)	Rear			
Vehicle service station or car wash Retail establishment providing vehicle, boat, or tire sales, service, repair, rental, and/or painting, passenger vehicle rental including moving trucks Merchandise and equipment rental facilities, excluding heavy equipment rental Tow or taxi lots (Continued)	Process II or, with SEPA, Process III	None	Vehicle service station, tow or taxi lots; storage facilities:			35 ft. above average building elevation (AABE) to 55 ft. AABE See notes 1 and 2	1 for each 300 sq. ft. of gross floor area excluding areas under pump island canopies Storage facilities: 1 for each 300 sq. ft. of the facility's office gross floor area Tow or taxi lots: Determined on a case-by-case basis	1. If approved by the director of community development services, the height of a structure may exceed 35 ft. above average building elevation (AABE) to a maximum of 55 ft. AABE, if all of the following criteria are met: a. The additional height is necessary to accommodate the structural, equipment, or operational needs of the use conducted in the building, and/or all ground floor spaces have a minimum floor-to-ceiling height of 13 ft. and a minimum depth of 15 ft.; b. Height complies with note 2, below; c. Height over 35 ft. is set back from nonresidential zones by one ft. for each one ft. of height over 35 ft.; and d. Rooflines are designed to avoid a predominantly flat and featureless appearance through variations in roof height, forms, angles, and materials. 2. Building height may not exceed 30 ft. AABE when located within 100 ft. of a residential zone. 3. May not be more than two vehicle service stations at any intersection. 4. Gas pump islands, canopies and covers over pump islands may not be closer than 25 ft. to any property line. Outdoor parking and service areas may not be closer than 10 ft. to any property line. If gas pump island is on the side or rear and station includes mini-mart, front yard setback is zero ft. 5. Vehicle service stations may include commercial vehicle fueling facilities only when: a. The facilities constitute a secondary use and not the primary use of the site; b. The facilities are located to the rear of the principally permitted structure; c. The design and appearance of the facilities are similar to the principal facilities on the site; and d. No overnight parking areas or sleeping accommodations are provided on the site. (Continued)
			40 ft.	15 ft.	15 ft.			
			Merchandise and equipment rental facilities:					
			20 ft.	10 ft.	10 ft.			
			Retail sales/service:					
			20 ft.	0 ft.	0 ft.			
			Except side and rear yards along residential zones shall be 20 ft. (all uses) See notes 4, 7, and 12					

Process I, II, III and IV are described in Chapter 19.55 FWRC, Chapter 19.60 FWRC, Chapter 19.65 FWRC, Chapter 19.70 FWRC respectively.	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS							For other information about parking and parking areas, see Chapter 19.130 FWRC.
		Minimums						
			Required Yards					
USE REGULATIONS ⇓ ⇒	Required Review Process	Lot Size	Front	Side (each)	Rear	Height of Structure	Required Parking Spaces	ZONE BC For details of what may exceed this height limit, see FWRC 19.110.050 et seq. For details regarding required yards, see FWRC 19.125.160 et seq. SPECIAL REGULATIONS AND NOTES

19.220.030 Vehicle and equipment sales, service, repair, rental – Self-service storage facilities. (Continued)

	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS							
		Minimums						
			Required Yards					
USE REGULATIONS ⇓ ⇒	Required Review Process	Lot Size	Front	Side (each)	Rear	Height of Structure	Required Parking Spaces	ZONE BC SPECIAL REGULATIONS AND NOTES
Self-service storage facilities; storage of recreational vehicles								6. Auto and boat body repair and/or painting may be permitted under this section only if: a. Building layout and design mitigates impact of dust, fumes, noise, glare, odor, or any other discharge on neighboring uses and natural systems; protects neighboring uses and natural systems from accidental spillage, leakage, or discharge of hazardous material and pollutants; b. All operations, service, painting and repair must be conducted within enclosed buildings. 7. Except for principal sales lots, outdoor storage areas shall be located to the rear and/or side(s) of the principally permitted structure. 8. No maximum lot coverage is established. Instead, the buildable area will be determined by other site development requirements, i.e., required buffers, parking lot landscaping, surface water facilities, etc. 9. Exterior storage of recreational vehicles is permitted only when it collocates with a self-service storage facility. 10. Self-service storage facilities may include one accessory living facility. 11. For community design guidelines that apply to the project, see Chapter 19.115 FWRC. 12. For landscaping requirements that apply to the project, see Chapter 19.125 FWRC. 13. For sign requirements that apply to the project, see Chapter 19.140 FWRC. 14. Refer to Chapter 19.265 FWRC to determine what other provisions of this title may apply to the subject property.

USE REGULATIONS ⇓ ⇒	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS							
	Required Review Process	Minimums				Height of Structure	Required Parking Spaces	ZONE BC
		Lot Size	Required Yards					
			Front	Side (each)	Rear			SPECIAL REGULATIONS AND NOTES
Process I, II, III and IV are described in Chapter 19.55 FWRC, Chapter 19.60 FWRC, Chapter 19.65 FWRC, Chapter 19.70 FWRC respectively.								For other information about parking and parking areas, see Chapter 19.130 FWRC. For details of what may exceed this height limit, see FWRC 19.110.050 et seq. For details regarding required yards, see FWRC 19.125.160 et seq.

(Ord. No. 12-735, § 4(Exh. A), 12-4-12; Ord. No. 12-724, § 9(Exh. A), 6-5-12; Ord. No. 07-559, § 3(Exh. A), 7-3-07; Ord. No. 99-333, § 3, 1-19-99; Ord. No. 97-291, § 3, 4-1-97; Ord. No. 96-270, § 5, 7-2-96; Ord. No. 93-170, § 7(Exh. B), 4-20-93; Ord. No. 90-43, § 2(45.10), 2-27-90. Formerly 22-754. Code 2001 § 22-753.)

19.220.040 Schools – Day care facilities, commercial – Animal kennels.

The following uses shall be permitted in the community business (BC) zone subject to the regulations and notes set forth in this section:

USE REGULATIONS ⇓ ⇒	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS							
	Required Review Process	Minimums				Height of Structure	Required Parking Spaces	ZONE BC
		Lot Size	Required Yards					
			Front	Side (each)	Rear			SPECIAL REGULATIONS AND NOTES
Schools; business, vocational, or trade schools Day care facilities, commercial Animal kennels or animal care facilities	Process II or, with SEPA, Process III	None	20 ft. Outdoor uses for animals, such as open-air kennels, runs, training yards, or show facilities, shall be set back 20 ft. from any property line See notes 2, 4, 8 and 11	0 ft. Except 20 ft. along residential zones	0 ft.	55 ft. above average building elevation (AABE) for gyms if located 100 ft. or more from an adjacent residential zone 35 ft. above average	High school: 1 for each employee and 1 for each 10 students Elementary/Middle: 1 for each employee Business/Vocational/Trade: 1 for each employee and 0.5 for each student Day care: 1 for each 300 sq. ft. of gross floor area Kennel and care facilities: 1 for each 300 sq. ft. of gross floor area	1. Building height may not exceed 30 ft. AABE when located within 100 ft. of a residential zone. 2. Except for gyms, if approved by the director of community development services, the height of a structure may exceed 35 ft. above average building elevation (AABE) to a maximum of 55 ft. AABE, if all of the following criteria are met: a. The additional height is necessary to accommodate the structural, equipment, or operational needs of the use conducted in the building, and/or all ground floor spaces have a minimum floor-to-ceiling height of 13 ft. and a minimum depth of 15 ft.; b. Height complies with note 1;

USE REGULATIONS ⇩ ⇒	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS						
	Required Review Process	Minimums				Height of Structure	Required Parking Spaces	ZONE BC SPECIAL REGULATIONS AND NOTES
		Lot Size	Required Yards					
			Front	Side (each)	Rear			
						building elevation (AABE), to 55 ft. AABE, for all other structures See notes 1 – 3		c. Height over 35 ft. is set back from nonresidential zones by one ft. for each one ft. of height over 35 ft.; and d. Rooflines are designed to avoid a predominantly flat and featureless appearance through variations in roof height, forms, angles, and materials. 3. For any structure, including gyms, an increase in height above 35 ft. shall not block views designated by the comprehensive plan. 4. Day care facilities must contain an outdoor play area with at least 75 sq. ft. for each child using the area at any one time. This play area must be completely enclosed by a solid fence or other screen at least six ft. in height. Play equipment and structured play areas must be set back at least five ft. from each property line. 5. Day care facilities, animal kennels, or animal care facilities may include accessory living facilities as defined by FWRC 19.05.010. 6. Day care facilities and schools must comply with the requirements of the State Department of Social and Health Services and/or the State Superintendent of Public Instruction. 7. All activities pertaining to schools, business or vocational schools, or trade schools, such as auto repair or other uses that may impact adjacent properties, must take place within an enclosed building. 8. Animal kennels and animal care facilities must be designed so that the maximum permissible noise levels from outdoor runs and other open areas comply with the provisions of FWRC 7.10.050, and such outdoor areas shall be screened from adjacent properties by 10 ft. of Type III landscaping, as

USE REGULATIONS ⇩ ⇒	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS						
	Required Review Process	Minimums				Height of Structure	Required Parking Spaces	ZONE BC SPECIAL REGULATIONS AND NOTES
		Lot Size	Required Yards					
			Front	Side (each)	Rear			
								defined by Chapter 19.125 FWRC, or greater buffer as required therein. 9. No maximum lot coverage is established. Instead, the buildable area will be determined by other site development requirements, i.e., required buffers, parking lot landscaping, surface water facilities, etc. 10. For community design guidelines that apply to the project, see Chapter 19.115 FWRC. 11. For landscaping requirements that apply to the project, see Chapter 19.125 FWRC. 12. For sign requirements that apply to the project, see Chapter 19.140 FWRC. (Continued)
Process I, II, III and IV are described in Chapter 19.55 FWRC, Chapter 19.60 FWRC, Chapter 19.65 FWRC, Chapter 19.70 FWRC respectively.								For other information about parking and parking areas, see Chapter 19.130 FWRC. For details of what may exceed this height limit, see FWRC 19.110.050 et seq. For details regarding required yards, see FWRC 19.125.160 et seq.

19.220.040 Schools – Day care facilities, commercial – Animal kennels. (Continued)

USE REGULATIONS ⇩ ⇒	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS						
	Required Review Process	Minimums				Height of Structure	Required Parking Spaces	ZONE BC SPECIAL REGULATIONS AND NOTES
		Lot Size	Required Yards					
			Front	Side (each)	Rear			

USE REGULATIONS ⇩ ⇨	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS							
	Required Review Process	Minimums				Height of Structure	Required Parking Spaces	ZONE BC
		Lot Size	Required Yards					
			Front	Side (each)	Rear			SPECIAL REGULATIONS AND NOTES
								13. Refer to Chapter 19.265 FWRC to determine what other provisions of this title may apply to the subject property. 14. Schools may locate containers on site for the storage of emergency preparedness supplies as an accessory use. Containers may not be located in any required yard. Landscaping may be required by the director of community development services to screen the installation if the proposed location will be visible from a public right-of-way and/or neighboring properties. Siting is subject to review and approval under process I, director's approval, unless proposed as a component of another project; in which case the siting of the container will be reviewed as part of the overall development proposal and subject to the underlying review process. 15. Site design, including the location of parking and passenger loading areas, shall be designed to reduce impacts on nearby residential areas.
Process I, II, III and IV are described in Chapter 19.55 FWRC, Chapter 19.60 FWRC, Chapter 19.65 FWRC, Chapter 19.70 FWRC respectively.						For details of what may exceed this height limit, see FWRC 19.110.050 et seq. For details regarding required yards, see FWRC 19.125.160 et seq.	For other information about parking and parking areas, see Chapter 19.130 FWRC.	

(Ord. No. 12-735, § 4(Exh. A), 12-4-12; Ord. No. 11-700, § 5, 9-20-11; Ord. No. 09-605, § 3(Exh. A), 3-3-09; Ord. No. 09-604, § 3(Exh. A), 3-3-09; Ord. No. 08-585, § 3(Exh. A), 11-4-08; Ord. No. 07-559, § 3(Exh. A), 7-3-07; Ord. No. 03-443, § 3, 5-20-03; Ord. No. 01-399, § 3, 8-7-01; Ord. No. 01-385, § 3, 4-3-01; Ord. No. 97-291, § 3, 4-1-97; Ord. No. 96-270, § 5, 7-2-96; Ord. No. 93-170, § 7(Exh. B), 4-20-93; Ord. No. 90-43, § 2(45.65), 2-27-90. Formerly 22-755. Code 2001 § 22-754.)

19.220.050 Multifamily dwelling units.

The following uses shall be permitted in the community business (BC) zone subject to the regulations and notes set forth in this section:

REGULATIONS	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS					
	Required Review Process	Minimums		Height of Structure	Required Parking Spaces	ZONE BC
		Lot Size	Required Yards			

USE ⇓ REGULATIONS ⇒	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS							SPECIAL REGULATIONS AND NOTES
USE ⇓ ⇒	Required Review Process	Minimums				Height of Structure	Required Parking Spaces	ZONE BC SPECIAL REGULATIONS AND NOTES
		Lot Size	Required Yards					
			Front	Side (each)	Rear			
Multifamily dwelling units (stacked dwelling units)	Process II or, with SEPA, Process III	None	Same as these regulations for ground floor use except 20 ft. abutting single-family residential zones			65 ft. above average building elevation (ABE) See note 2	See notes 5 – 8	~~1. All nonresidential ground floor spaces must have a~~ minimum floor-to-ceiling height of 13 ft. and a minimum depth of 15 ft. 2. Building height may not exceed 30 ft. above average building elevation for the portion of the building located within 100 ft. from a single-family residential zone. 3. All buildings except for related parking structures up to 65 ft. in height (six stories), must be gabled with pitched roofs, unless the building is taller than 35 ft. (three stories) with a rooftop that contributes to the multifamily open space requirements. 4. Multi-unit housing and accessory living facilities may be located on the ground floor of a structure only as follows: (a) ground level space that spans at least 60 percent of the total length of the principal commercial facade of all buildings, as determined by the director, is occupied with one or more other use(s) allowed in this zone; and (b) ground level space that spans at least 40 percent of the total length of all other street-facing facades of all buildings is occupied with one or more other use(s) allowed in this zone. Parking in conjunction with other uses allowed in this zone may also be located on the ground floor of the structure if non-visible from the right-of-way or public areas. 5. For 100 dwelling units or more on a subject property, 25 percent of parking shall be underground or on the first floor within the building footprint, except for visitor parking, which can be surface parking. 6. Parking spaces shall be provided as follows: Efficiency dwelling units – 1.0 per unit Studio dwelling units – 1.25 per unit One bedroom dwelling units – 1.5 per unit Dwelling units with two bedrooms or more – 2.0 per unit. 7. Dwelling unit parking stalls are in addition to required parking for all nonresidential ground floor uses. 8. Alternatively, applicant may choose to submit a parking study in accordance with FWRC 19.130.080(2). 9. Chapter 19.265 FWRC contains regulations regarding accessory uses, buildings and structures. Accessory dwelling units are not permitted.

REGULATIONS USE ⇓ ⇒	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS						
	Required Review Process	Minimums				Height of Structure	Required Parking Spaces
		Lot Size	Required Yards				
			Front	Side (each)	Rear		
			See notes 2 and 14				

ZONE BC

SPECIAL REGULATIONS AND NOTES

10. Chapter 19.270 FWRC contains regulations regarding home occupations.

(Continued)

Process I, II, III and IV are described in Chapter 19.55 FWRC, Chapter 19.60 FWRC, Chapter 19.65 FWRC, Chapter 19.70 FWRC respectively.

For other information about parking and parking areas, see Chapter 19.130 FWRC.

For details of what may exceed this height limit, see FWRC 19.110.050 et seq.

For details regarding required yards, see FWRC 19.125.160 et seq.

19.220.050 Multifamily dwelling units. (Continued)

USE REGULATIONS ⇓ ⇒	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS						
	Required Review Process	Minimums				Height of Structure	Required Parking Spaces
		Lot Size	Required Yards				
			Front	Side (each)	Rear		

ZONE BC

SPECIAL REGULATIONS AND NOTES

11. The subject property must provide usable open space in a total amount equal to at least 150 sq. ft. per dwelling unit, and may include private spaces such as yards, patios, and balconies, as well as common areas such as playgrounds, recreation rooms, plazas, rooftop terraces, pools, active lobbies, atriums, or other areas the director deems appropriate. A minimum of 25 percent of the usable open space provided must be common open space. Private open space such as a patio, porch, balcony, or yard may be credited toward total residential usable open space, if such private open space is a minimum of 48 square feet and has a minimum dimension of six feet.

12. No maximum lot coverage is established. Instead, the buildable area will be determined by other site development requirements, e.g., required buffers, parking lot landscaping, surface water facilities, among others.

USE REGULATIONS ⇓ ⇒	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS							
	Required Review Process	Minimums				Height of Structure	Required Parking Spaces	ZONE BC
		Lot Size	Required Yards					
			Front	Side (each)	Rear			SPECIAL REGULATIONS AND NOTES
								13. For community design guidelines that apply to the project, see Chapter 19.115 FWRC. 14. Refer to Chapter 19.125 FWRC, Outdoors, Yards, and Landscaping, for appropriate requirements. 15. For sign requirements that apply to the project, see Chapter 19.140 FWRC. 16. For affordable housing requirements, see FWRC 19.110.010. 17. For provisions that relate to the keeping of animals, see Chapter 19.260 FWRC.
Process I, II, III and IV are described in Chapter 19.55 FWRC, Chapter 19.60 FWRC, Chapter 19.65 FWRC, Chapter 19.70 FWRC respectively.								For other information about parking and parking areas, see Chapter 19.130 FWRC. For details of what may exceed this height limit, see FWRC 19.110.050 et seq. For details regarding required yards, see FWRC 19.125.160 et seq.

(Ord. No. 17-834, § 16, 5-16-17; Ord. No. 10-678, § 3, 12-7-10; Ord. No. 07-559, § 3(Exh. A), 7-3-07; Ord. No. 07-554, § 5(Exh. A(17)), 5-15-07; Ord. No. 02-424, § 3, 9-17-02; Ord. (Ord. No. 10-678, § 3, 12-7-10; Ord. No. 07-559, § 3(Exh. A), 7-3-07; Ord. No. 07-554, § 5(Exh. A(17)), 5-15-07; Ord. No. 02-424, § 3, 9-17-02; Ord. No. 97-291, § 3, 4-1-97; Ord. No. 96-270, § 5, 7-2-96; Ord. No. 93-170, § 7(Exh. B), 4-20-93; Ord. No. 90-43, § 2(45.60), 2-27-90. Formerly 22-756. Code 2001 § 22-755.)

19.220.060 Hotels – Motels.

The following uses shall be permitted in the community business (BC) zone subject to the regulations and notes set forth in this section:

REGULATIONS	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS				
	Required	Minimums	Height of	Required	

REGULATIONS USE-ZONE CHART ZONE BC

DIRECTIONS: FIRST, read down to find use ... THEN across for REGULATIONS

USE ⇓ ⇒	Review Process	Lot Size	Required Yards: Front	Required Yards: Side (each)	Required Yards: Rear	Height of Structure	Parking Spaces	SPECIAL REGULATIONS AND NOTES
Hotel or motel	Process II or, with SEPA, Process III	None	20 ft.	0 ft.	0 ft.	45 ft. above average building elevation (AABE), to 55 ft. AABE and four floors See notes 1 and 3	1 for each guest room See notes 2 and 4	1. If approved by the director of community development services, the height of a structure may exceed 45 ft. above average building elevation (AABE) to a maximum of 55 ft. AABE and four floors, if all of the following criteria are met: a. The additional height is necessary to accommodate the structural, equipment, or operational needs of the use conducted in the building, and/or all ground floor spaces have a minimum floor-to-ceiling height of 13 ft. and a minimum depth of 15 ft.; b. Height complies with note 3; c. Height over 40 ft. is set back from nonresidential zones by one ft. for each one ft. of height over 40 ft.; and d. The rooflines of the building are designed to avoid a predominantly flat and featureless appearance by incorporating variations in roof height, forms, angles, and materials. 2. If this use includes accessory meeting, convention or other facilities that will be used by persons other than overnight guests at the hotel or motel, the city may require additional parking on a case-by-case basis, based on the extent and nature of these accessory facilities. 3. Building height may not exceed 30 ft. AABE when located within 100 ft. of a residential zone. 4. No maximum lot coverage is established. Instead, the buildable area will be determined by other site development requirements, i.e., required buffers, parking lot landscaping, surface water facilities, etc. 5. For community design guidelines that apply to the project, see Chapter 19.115 FWRC. 6. For landscaping requirements that apply to the project, see Chapter 19.125 FWRC. 7. For sign requirements that apply to the project, see Chapter 19.140 FWRC. 8. Refer to Chapter 19.265 FWRC to determine what other provisions of this title may apply to the subject property.
				Except 20 ft. along residential zones				
			See note 6					

Process I, II, III and IV are described in Chapter 19.55 FWRC, Chapter 19.60 FWRC, Chapter 19.65 FWRC, Chapter 19.70 FWRC respectively.

For other information about parking and parking areas, see Chapter 19.130 FWRC.

For details of what may exceed this height limit, see FWRC 19.110.050 et seq.

REGULATIONS USE ⇓ ⇒	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS							
	Required Review Process	Minimums				Height of Structure	Required Parking Spaces	ZONE BC SPECIAL REGULATIONS AND NOTES
		Lot Size	Required Yards					
			Front	Side (each)	Rear			
								For details regarding required yards, see FWRC 19.125.160 et seq.

(Ord. No. 07-559, § 3(Exh. A), 7-3-07; Ord. No. 97-291, § 3, 4-1-97; Ord. No. 96-270, § 5, 7-2-96; Ord. No. 93-170, § 7(Exh. B), 4-20-93; Ord. No. 90-43, § 2(45.35), 2-27-90. Formerly 22-757. Code 2001 § 22-756.)

19.220.070 Hospital facilities – Convalescent centers – Nursing homes.

The following uses shall be permitted in the community business (BC) zone subject to the regulations and notes set forth in this section:

USE REGULATIONS ⇓ ⇒	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS							
	Required Review Process	Minimums				Height of Structure	Required Parking Spaces	ZONE BC SPECIAL REGULATIONS AND NOTES
		Lot Size	Required Yards					
			Front	Side (each)	Rear			
Hospital facilities, convalescent centers or nursing homes	Process II or, with SEPA, Process III	None	20 ft.	0 ft. Except 20 ft. along residential zones	0 ft.	35 ft. to 55 ft. above average building elevation (AABE) See notes 1 and 2	Hospital (primary care): 1 for each 3 beds, plus 1 for each staff doctor, plus 1 for each 3 employees Convalescent/Nursing homes: 1 for each 3 beds and 1 for each 2 employees	1. If approved by the director of community development services, the height of a structure may exceed 35 ft. above average building elevation (AABE) to a maximum of 55 ft. AABE, if all of the following criteria are met: a. The additional height is necessary to accommodate the structural, equipment, or operational needs of the use conducted in the building, and/or all ground floor spaces have a minimum floor-to-ceiling height of 13 ft. and a minimum depth of 15 ft.; b. Height complies with note 2; c. Building height over 35 ft. is set back from nonresidential zones by one additional ft. for each one ft. of height over 35 ft.; and d. Rooflines are designed to avoid a predominantly flat and featureless appearance through variations in roof height, forms, angles, and materials. 2. Building height may not exceed 30 ft. AABE when located within 100 ft. of a residential zone.

USE REGULATIONS ⇓ ⇒	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS						
	Required Review Process	Minimums				Height of Structure	Required Parking Spaces	ZONE BC SPECIAL REGULATIONS AND NOTES
		Lot Size	Required Yards					
			Front	Side (each)	Rear			
			See note 5					3. No maximum lot coverage is established. Instead, the buildable area will be determined by other site development requirements, i.e., required buffers, parking lot landscaping, surface water facilities, etc. 4. For community design guidelines that apply to the project, see Chapter 19.115 FWRC. 5. For landscaping requirements that apply to the project, see Chapter 19.125 FWRC. 6. For sign requirements that apply to the project, see Chapter 19.140 FWRC. 7. Refer to Chapter 19.265 FWRC to determine what other provisions of this title may apply to the subject property.
Process I, II, III and IV are described in Chapter 19.55 FWRC, Chapter 19.60 FWRC, Chapter 19.65 FWRC, Chapter 19.70 FWRC respectively.								For other information about parking and parking areas, see Chapter 19.130 FWRC. For details of what may exceed this height limit, see FWRC 19.110.050 et seq. For details regarding required yards, see FWRC 19.125.160 et seq.

(Ord. No. 12-735, § 4(Exh. A), 12-4-12; Ord. No. 07-559, § 3(Exh. A), 7-3-07; Ord. No. 97-291, § 3, 4-1-97; Ord. No. 96-270, § 5, 7-2-96; Ord. No. 93-170, § 7(Exh. B), 4-20-93; Ord. No. 90-43, § 2(45.75), 2-27-90. Formerly 22-758. Code 2001 § 22-757.)

19.220.080 Senior citizen or special needs housing.

The following uses shall be permitted in the community business (BC) zone subject to the regulations and notes set forth in this section:

USE REGULATIONS ⇓ ⇒	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS							
	Required Review Process	Minimums				Height of Structure	Required Parking Spaces	ZONE BC SPECIAL REGULATIONS AND NOTES
		Lot Size	Required Yards					
			Front	Side (each)	Rear			

USE REGULATIONS ⇓ ⇒	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS							ZONE BC SPECIAL REGULATIONS AND NOTES
	Required Review Process	Minimums				Height of Structure	Required Parking Spaces	
		Lot Size	Required Yards					
			Front	Side (each)	Rear			
Senior citizen or special needs housing (stacked dwelling units)	Process II or, with SEPA, Process III	None	Senior housing or special needs housing: same as these requirements for ground floor use			65 ft. above average building elevation (ABE) See note 2	Senior citizen housing: 1 for each unit Special needs housing: 0.5 per each unit See notes 4 and 5	1. All buildings, except for related parking structures up to 65 ft. in height (six stories), must be gabled with pitched roofs, unless the building is taller than 35 ft. (three stories) with a rooftop that contributes to the multifamily open space requirements. 2. If any portion of a structure on the subject property is within 100 ft. of a single-family residential zone, then that portion of the structure shall not exceed 30 ft. above average building elevation, and the structure shall be set back a minimum of 20 ft. from the property line of the single-family residential zone. 3. Commercial uses allowed in this zone may be permitted on the ground floor of stacked senior citizen or special needs housing with a minimum floor-to-ceiling height of 13 ft. 4. For 100 units or more on a subject property, 25 percent of parking shall be underground, or on the first floor within the building footprint, except for visitor parking, which can be surface parking. 5. Alternatively, applicant may choose to submit a parking study in accordance with FWRC 19.130.080(2). 6. Chapter 19.265 FWRC contains regulations regarding accessory uses, buildings and structures. Accessory dwelling units are not permitted. 7. Chapter 19.270 FWRC contains regulations regarding home occupations. 8. The subject property must provide usable open space in a total amount equal to at least 100 sq. ft. per dwelling unit and may include common open spaces such as plazas, recreation rooms, rooftop terraces, p-patches, pools, active lobbies, and atriums. All eligible usable open space shall also meet the requirements specified in FWRC 19.115.115. A fee-in-lieu payment may be utilized for up to 50 percent of the usable open space as specified in FWRC 19.115.115. 9. Any common open space requirements for senior housing or special needs housing may be reduced at the discretion of the director, if an open space study documents that less common open space will be adequate to serve the needs of the residents. 10. No maximum lot coverage is established. Instead, the buildable area will be determined by other site
			Stand-alone senior citizen or special needs housing					
			20 ft.	5 ft.	5 ft.			
			See notes 2 and 12					

USE REGULATIONS ⇓ ⇒	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS						
	Required Review Process	Minimums				Height of Structure	Required Parking Spaces
		Lot Size	Required Yards				
			Front	Side (each)	Rear		
Process I, II, III and IV are described in Chapter 19.55 FWRC, Chapter 19.60 FWRC, Chapter 19.65 FWRC, Chapter 19.70 FWRC respectively.							

SPECIAL REGULATIONS AND NOTES ZONE BC
development requirements, e.g., required buffers, parking lot landscaping, surface water facilities, among others. 11. For community design guidelines that apply to the project, see Chapter 19.115 FWRC. 12. Refer to Chapter 19.125 FWRC, Outdoors, Yards, and Landscaping, for appropriate requirements. 13. For sign requirements that apply to the project, see Chapter 19.140 FWRC. 14. For affordable housing requirements, see FWRC 19.110.010. 15. For provisions that relate to the keeping of animals, see Chapter 19.260 FWRC.
For other information about parking and parking areas, see Chapter 19.130 FWRC.
For details of what may exceed this height limit, see FWRC 19.110.050 et seq.
For details regarding required yards, see FWRC 19.125.160 et seq.

(Ord. No. 17-834, § 17, 5-16-17; Ord. No. 10-678, § 4, 12-7-10; Ord. No. 07-559, § 3(Exh. A), 7-3-07. Code 2001 § 22-758.)

19.220.090 Group homes.

The following uses shall be permitted in the commercial business (BC) zone subject to the regulations and notes set forth in this section:

REGULATIONS	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS				
	Required	Minimums		Height of Structure	Required
		Lot	Required Yards		

USE-ZONE CHART

DIRECTIONS: FIRST, read down to find use ; THEN, across for REGULATIONS

REGULATIONS USE ⇩ ⇒	Review Process	Size Minimums Lot Size	Front	Side (each)	Rear	Height of Structure	Parking Spaces	ZONE BC SPECIAL REGULATIONS AND NOTES
	Required Review Process	Required Yards Size	Front	Side (each)	Rear		Required Parking Spaces	ZONE BC SPECIAL REGULATIONS AND NOTES
Group homes type II Group homes type III	Process IV Process IV, see note 18	None	20 ft. See notes 7, 14 and 17	0 ft. Except 20 ft. along single-family residential zones	0 ft.	35 ft. above average building elevation (AABE) to 55 ft. AABE See notes 7 and 17	Determined on a case-by-case basis	1. The city will determine the maximum number of residents and the number of dwelling units or occupancy rooms or suites permitted in the proposed development based on the following criteria: a. The specific nature of the occupancy and the persons that will be housed in the proposed development. b. The size of the dwelling units or occupancy rooms or suites and the specific configuration of the facilities within these units, rooms, or suites. c. The impacts on nearby residential uses of the proposed development. d. The architecture, site design, and other design features of the proposed development. 2. a. Except as specified in subsection (2)(b) of this section, the facility must be: (1) Distanced at least 1,000 ft. from any school, park, church, playground, or day care center; measured by following a straight line, without regard to intervening buildings, from the nearest point of the parcel or property or land use district boundary line from which the proposed use is to be separated. (2) Distanced at least 1,000 ft. from any other group home type II, group home type III, or social service transitional housing, as defined by this title; and as measured by the same method as the separation requirements described herein. (3) Group homes type III shall be distanced at least 300 ft. from any residentially zoned area, and as measured by the same method as the separation requirements described herein. b. The city may, using the specified review process, approve this use regardless of its proximity to the uses specified in subsection (2)(a) of this section, based on the following criteria: (1) The extent to which the topography or physical features of the area would result in effective separation between existing uses and the proposed development. (2) The compatibility of the proposed use with nearby uses. (3) The lack of availability of alternative locations for the proposed use based on the separation

USE ⇓ REGULATIONS ⇒	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS							
	Required Review Process	Minimums				Height of Structure	Required Parking Spaces	ZONE BC SPECIAL REGULATIONS AND NOTES
		Lot Size	Required Yards					
			Front	Side (each)	Rear			
								requirements (4) The extent to which the proposal is consistent with the public health, safety, and welfare. 3. The facility and program must secure and maintain all licenses and/or approvals as required by the state, including verification from the Department of Juvenile Justice, which shall be reviewed by the police department, that the proposed facility meets state standards for such facilities and that the facility will meet state laws and requirements. 4. The program must be operated under the authority of a reputable governing board, social service, or government agency, or proprietor, to whom staff are responsible and who will be available to city officials, if necessary, to resolve concerns pertaining to the facility. 5. The facility will have staffing, supervision, and security arrangements appropriate to the number of clients and to its hours of operation. (Continued)
Process I, II, III and IV are described in Chapter 19.55 FWRC, Chapter 19.60 FWRC, Chapter 19.65 FWRC, Chapter 19.70 FWRC respectively.								For other information about parking and parking areas, see Chapter 19.130 FWRC. For details of what may exceed this height limit, see FWRC 19.110.050 et seq. For details regarding required yards, see FWRC 19.125.160 et seq.

19.220.090 Group homes. (Continued)

USE ⇓ REGULATIONS ⇒	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS							
	Required Review Process	Minimums				Height of Structure	Required Parking Spaces	ZONE BC SPECIAL REGULATIONS AND NOTES
		Lot Size	Required Yards					
			Front	Side (each)	Rear			
								6. The subject property must be situated in close proximity

USE REGULATIONS ⇓ ⇒	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS							
	Required Review Process	Minimums: Lot Size	Required Yards: Front	Required Yards: Side (each)	Required Yards: Rear	Height of Structure	Required Parking Spaces	ZONE BC SPECIAL REGULATIONS AND NOTES
								to, and have convenient access to, public transportation, shopping, health care providers, and other services and facilities frequently utilized by the residents of the property. 7. Building height may not exceed 30 ft. AABE when located between 20 ft. and 40 ft. from a single-family residential zone, and may not exceed 40 ft. AABE when located between 40 ft. and 100 ft. from such zone. 8. Floor area requirements, minimum sleeping areas, and bathroom facilities will be determined on a case-by-case basis. 9. The facility will not create unreasonable impacts on traffic, public utilities and services or on nearby residences. 10. The facility has adequate off-street parking and the appearance conforms with the character of surrounding uses. 11. The facility is in compliance with applicable health, fire, building, and safety requirements. 12. No maximum lot coverage is established. Instead, the buildable area will be determined by other site development requirements, i.e., required buffers, parking lot landscaping, surface water facilities, etc. 13. For community design guidelines that apply to the project, see Chapter 19.115 FWRC. 14. For landscaping requirements that apply to the project, see Chapter 19.125 FWRC. 15. For sign requirements that apply to the project, see Chapter 19.140 FWRC. 16. Refer to Chapter 19.265 FWRC to determine what other provisions of this title may apply to the subject property. 17. If approved through the specified review process, the height of a structure may exceed 35 ft. above average building elevation (AABE) to a maximum of 55 ft. AABE, if all of the following criteria are met: a. The additional height is necessary to accommodate the structural, equipment, or operational needs of the use conducted in the building, and/or all ground floor spaces have a minimum floor-to-ceiling height of 13 ft. and a minimum depth of 15 ft.; b. Height complies with note 7, above; c. Height over 35 ft. is set back from non-single-family zones by one additional ft. for each one ft. of height over 35

USE REGULATIONS ⇓ ⇒	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS						
	Required Review Process	Minimums Lot Size	Required Yards Front	Side (each)	Rear	Height of Structure	Required Parking Spaces	ZONE BC SPECIAL REGULATIONS AND NOTES
								ft.; and d. Rooflines are designed to avoid a predominantly flat and featureless appearance through variations in roof height, forms, angles, and materials. 18. Group homes type III shall be subject to additional public notice requirements as follows: a. Copy of the public notices required per FWRC 19.70.060 shall be mailed to the persons receiving the property tax statements for all property within 1,000 ft. of each boundary of the subject property where the group home type III is proposed.
Process I, II, III and IV are described in Chapter 19.55 FWRC, Chapter 19.60 FWRC, Chapter 19.65 FWRC, Chapter 19.70 FWRC respectively.								For other information about parking and parking areas, see Chapter 19.130 FWRC. For details of what may exceed this height limit, see FWRC 19.110.050 et seq. For details regarding required yards, see FWRC 19.125.160 et seq.

(Ord. No. 14-771, § 7, 8-12-14; Ord. No. 09-605, § 3(Exh. A), 3-3-09; Ord. No. 07-559, § 3(Exh. A), 7-3-07; Ord. No. 97-291, § 3, 4-1-97; Ord. No. 96-270, § 5, 7-2-96; Ord. No. 94-223, § 3(F), 10-18-94. Code 2001 § 22-759.)

19.220.100 Social service transitional housing.

The following uses shall be permitted in the community business (BC) zone subject to the regulations and notes set forth in this section:

USE REGULATIONS ⇓ ⇒	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS							
	Required Review Process	Minimums Lot Size	Required Yards Front	Side (each)	Rear	Height of Structure	Required Parking Spaces	ZONE BC SPECIAL REGULATIONS AND NOTES
Social services transitional housing Permitted outright where the total number of residents	Process III	None	20 ft.	0 ft.	0 ft.	35 ft. above average building elevation (AABE)	Determined on a case-by-case basis	1. The city may permit these uses only if: a. A stand-alone facility is distanced at least 1,000 ft. from any other stand-alone facility under this classification. b. The facility and program secures and maintains all licenses and/or approvals as required by the state.

USE REGULATIONS ⇩ ⇒	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS						
	Required Review Process	Minimums				Height of Structure	Required Parking Spaces	ZONE BC
		Lot Size	Required Yards					
			Front	Side (each)	Rear			SPECIAL REGULATIONS AND NOTES
does not exceed the maximum number allowed under the definition of “family.” See FWRC 19.105.060				Except 20 ft. along single-family residential zones		to 55 ft. AABE See notes 5 and 11		c. The subject property is situated in close proximity to, and has convenient access to, public transportation, shopping, health care providers, and other services and facilities frequently utilized by the residents of the property. d. The program will be operated under the authority of a reputable governing board, social service, or government agency, or proprietor, to whom staff are responsible and who will be available to city officials, if necessary, to resolve concerns pertaining to the facility. e. The facility will have staffing, supervision, and security arrangements appropriate to the number of clients and to its hours of operation. f. The facility will not create unreasonable impacts on traffic, public utilities and services or on nearby residences. g. The facility has adequate off-street parking and the appearance conforms with the character of surrounding uses. h. The facility is in compliance with applicable health, fire, building, and safety requirements. i. The facility will operate under a written management plan, approved by the governing agency, board, or official, which must meet administrative standards, specifications, and requirements, which shall be adopted by the director of community development services, and which shall be on file in the city clerk’s office, and which shall be followed and have the full force and effect as if they were set forth in full in this chapter. 2. The city will determine the maximum number of residents and the number of dwelling units or occupancy rooms or suites permitted in a stand-alone development based on the following criteria: a. The specific nature of the occupancy and the persons that will be housed in the proposed development. b. The size of the dwelling units or occupancy rooms or suites and the specific configuration of the facilities within these units, rooms, or suites. c. The impacts on nearby residential uses of the proposed development. d. The architecture, site design, and other design features of the proposed development.

USE REGULATIONS ⇓ ⇒	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS							SPECIAL REGULATIONS AND NOTES
	Required Review Process	Minimums				Height of Structure	Required Parking Spaces	
		Lot Size	Required Yards					
			Front	Side (each)	Rear			
			See notes 4, 5 and 8					

3. A minimum of one unit and no more than five percent of the total dwelling units in a mixed-use development may be social services transitional housing.
4. Floor area requirements, minimum sleeping areas, and bathroom facilities will be determined on a case-by-case basis.
5. Building height may not exceed 30 ft. above average building elevation (AABE) when located between 20 ft. and 40 ft. from a single-family residential zone, and may not exceed 40 ft. AABE when located between 40 ft. and 100 ft. from such zone.

(Continued)

Process I, II, III and IV are described in Chapter 19.55 FWRC, Chapter 19.60 FWRC, Chapter 19.65 FWRC, Chapter 19.70 FWRC respectively.

For other information about parking and parking areas, see Chapter 19.130 FWRC.

For details of what may exceed this height limit, see FWRC 19.110.050 et seq.

For details regarding required yards, see FWRC 19.125.160 et seq.

19.220.100 Social service transitional housing. (Continued)

USE REGULATIONS ⇓ ⇒	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS							SPECIAL REGULATIONS AND NOTES
	Required Review Process	Minimums				Height of Structure	Required Parking Spaces	
		Lot Size	Required Yards					
			Front	Side (each)	Rear			

USE REGULATIONS ⇩ ⇒	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS							
	Required Review Process	Minimums				Height of Structure	Required Parking Spaces	ZONE BC SPECIAL REGULATIONS AND NOTES
		Lot Size	Required Yards					
			Front	Side (each)	Rear			
								6. No maximum lot coverage is established. Instead, the buildable area will be determined by other site development requirements, i.e., required buffers, parking lot landscaping, surface water facilities, etc. 7. For community design guidelines that apply to the project, see Chapter 19.115 FWRC. 8. For landscaping requirements that apply to the project, see Chapter 19.125 FWRC. 9. For sign requirements that apply to the project, see Chapter 19.140 FWRC. 10. Refer to Chapter 19.265 FWRC to determine what other provisions of this title may apply to the subject property. 11. If approved through the specified review process, the height of a structure may exceed 35 ft. above average building elevation (AABE) to a maximum of 55 ft. AABE, if all of the following criteria are met: a. The additional height is necessary to accommodate the structural, equipment, or operational needs of the use conducted in the building, and/or all ground floor spaces have a minimum floor-to-ceiling height of 13 ft. and a minimum depth of 15 ft.; b. Height complies with note 5; c. Height over 35 ft. is set back from non-single-family zones by one additional ft. for each one ft. of height over 35 ft.; and d. Rooflines are designed to avoid a predominantly flat and featureless appearance through variations in roof height, forms, angles, and materials.
Process I, II, III and IV are described in Chapter 19.55 FWRC, Chapter 19.60 FWRC, Chapter 19.65 FWRC, Chapter 19.70 FWRC respectively.								For other information about parking and parking areas, see Chapter 19.130 FWRC. For details of what may exceed this height limit, see FWRC 19.110.050 et seq. For details regarding required yards, see FWRC 19.125.160 et seq.

(Ord. No. 09-605, § 3(Exh. A), 3-3-09; Ord. No. 07-559, § 3(Exh. A), 7-3-07; Ord. No. 97-291, § 3, 4-1-97; Ord. No. 96-270, § 5, 7-2-96; Ord. No. 94-223, § 3(G), 10-18-94. Code 2001 § 22-760.)

19.220.110 Government facility, public parks, public transit shelter.

The following uses shall be permitted in the community business (BC) zone subject to the regulations and notes set forth in this section:

USE REGULATIONS ⇓ ⇒	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS							ZONE BC SPECIAL REGULATIONS AND NOTES
	Required Review Process	Minimums				Height of Structure	Required Parking Spaces	
		Lot Size	Required Yards					
			Front	Side (each)	Rear			
Government facility Public parks Public transit shelter	Process II or, with SEPA, Process III Transit shelter: Process I	None	Government facility: 20 ft. / 0 ft. / 0 ft. Except 20 ft. along residential zones Public parks: Determined on a case-by-case basis Transit shelter: 0 ft. / 0 ft. / 0 ft.			Government facilities: 35 ft. above average building elevation (AABE) to 55 ft. AABE. See note 1 Public parks: Determined on a case-by-case basis Transit shelter: 15 ft. above average building elevation (AABE) See notes 1, 3, and 9	Government facility: Determined on a case-by-case basis Public parks: Determined by the parks director Public transit shelter: None	1. If approved by the director of community development services, the height of a structure may exceed 35 ft. above average building elevation (AABE) to a maximum of 55 ft. AABE, if all of the following criteria are met: a. The additional height is necessary to accommodate the structural, equipment, or operational needs of the use conducted in the building, and/or all ground floor spaces have a minimum floor-to-ceiling height of 13 ft. and a minimum depth of 15 ft.; b. Height complies with note 3; c. Height over 35 ft. is set back from nonresidential zones by one ft. for each one ft. of height over 35 ft.; and d. Rooflines are designed to avoid a predominantly flat and featureless appearance through variations in roof height, forms, angles, and materials. 2. Proposed parks must be consistent with the city's adopted comprehensive park plan. 3. Building height may not exceed 30 ft. AABE when located within 100 ft. of a residential zone. 4. No maximum lot coverage is established. Instead, the buildable area will be determined by other site development requirements, i.e., required buffers, parking lot landscaping, surface water facilities, etc. 5. For community design guidelines that apply to the project, see Chapter 19.115 FWRC. 6. For landscaping requirements that apply to the project, see Chapter 19.125 FWRC. 7. For sign requirements that apply to the project, see Chapter 19.140 FWRC. 8. Refer to Chapter 19.265 FWRC to determine what other provisions of this title may apply to the subject property. 9. Minor and supporting structures constructed as a functional requirement of public parks may exceed the applicable height limitation; provided, that the

USE REGULATIONS ⇓ ⇒	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . .					THEN, across for REGULATIONS	
	Required Review Process	Minimums				Height of Structure	Required Parking Spaces	ZONE BC SPECIAL REGULATIONS AND NOTES
		Lot Size	Required Yards					
			Front	Side (each)	Rear			
			Except 20 ft. along residential zones See note 6					director of community development services determines that such structures will not significantly impact adjacent properties.
Process I, II, III and IV are described in Chapter 19.55 FWRC, Chapter 19.60 FWRC, Chapter 19.65 FWRC, Chapter 19.70 FWRC respectively.								For other information about parking and parking areas, see Chapter 19.130 FWRC. For details of what may exceed this height limit, see FWRC 19.110.050 et seq. For details regarding required yards, see FWRC 19.125.160 et seq.

(Ord. No. 12-735, § 4(Exh. A), 12-4-12; Ord. No. 12-724, § 9(Exh. A), 6-5-12; Ord. No. 07-559, § 3(Exh. A), 7-3-07; Ord. No. 01-390, § 3, 6-5-01; Ord. No. 97-291, § 3, 4-1-97; Ord. No. 96-270, § 5, 7-2-96; Ord. No. 93-170, § 7(Exh. B), 4-20-93; Ord. No. 90-43, § 2(45.92), 2-27-90. Code 2001 § 22-761.)

19.220.115 Public utility.

The following uses shall be permitted in the community business (BC) zone subject to the regulations and notes set forth in this section:

USE REGULATIONS ⇓ ⇒	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS							
	Required Review Process	Minimums				Height of structure	Required Parking Spaces	ZONE BC SPECIAL REGULATIONS AND NOTES
		Lot Size	Required Yards					
			Front	Side (each)	Rear			
Public utility	Process	None	20 ft.	20 ft.	20 ft.	35 ft.	Determined	1. If approved through process III, the height of a

USE REGULATIONS ⇩ ⇨	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS						
	Required Review Process	Minimums				Height of structure	Required Parking Spaces	ZONE BC SPECIAL REGULATIONS AND NOTES
		Lot Size	Required Yards					
			Front	Side (each)	Rear			
	II Possible Process III See note 1		See notes 1 and 7			above average building elevation See notes 1 and 2	on a case-by-case basis	structure may exceed 35 ft. above average building elevation, if all of the following criteria are met: a. The subject property does not adjoin a residential zone; and b. Each required yard abutting the structure is increased one ft. for each one ft. the structure exceeds 35 ft. above average building elevation; and c. The increased height will not block views designated by the comprehensive plan; and d. The increased height is consistent with goals and policies for the area of the subject property as established by the comprehensive plan. 2. If any portion of a structure on the subject property is within 100 ft. of a residential zone, then that portion of the structure shall not exceed 30 ft. above average building elevation and the structure shall be set back a minimum of 20 ft. from the property line of the residential zone. 3. May be permitted only if locating this use in the immediate area of the subject property is necessary to permit effective service to the area to be served. 4. No maximum lot coverage is established. Instead, the buildable area will be determined by other site development requirements, i.e., required buffers, parking lot landscaping, surface water facilities, etc. 5. For community design guidelines that apply to the project, see Chapter 19.115 FWRC. 6. For landscaping requirements that apply to the project, see Chapter 19.125 FWRC. 7. For sign requirements that apply to the project, see Chapter 19.140 FWRC. 8. Refer to Chapter 19.265 FWRC to determine what other provisions of this chapter may apply to the subject property.

Process I, II, III and IV are described in Chapter 19.55 FWRC, Chapter 19.60 FWRC, Chapter 19.65 FWRC, Chapter 19.70 FWRC respectively.

For other information about parking and parking areas, see Chapter 19.130 FWRC.

For details of what may exceed this height limit, see FWRC 19.110.050 et seq.

USE REGULATIONS ⇩ ⇒	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS							
	Required Review Process	Minimums				Height of structure	Required Parking Spaces	ZONE BC SPECIAL REGULATIONS AND NOTES
		Lot Size	Required Yards					
			Front	Side (each)	Rear			
								For details regarding required yards, see FWRC 19.125.160 et seq.

(Ord. No. 18-844, § 17, 3-6-18.)

19.220.120 Personal wireless service facility.

The following uses shall be permitted in the community business (BC) zone subject to the regulations and notes set forth in this section:

USE REGULATIONS ⇩ ⇒	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS									
	Required Review Process	Minimums				Maximum Height	Landscape	Signs	Required Parking Spaces	ZONE BC SPECIAL REGULATIONS AND NOTES
		Lot Size	Required Yards							
			Front	Side (each)	Rear					
Personal wireless service facility See note 5 for allowed types of PWSFs	See note 2	None	See note 1	See note 1	See note 1	Refer to FWRC 19.256.170 for maximum heights for allowed types of PWSFs See note 3	See note 4	Not allowed on a PWSF	N/A	1. For developed sites, the setback requirements shall be those of the principal use of the subject property. For undeveloped sites, the setback requirements for new freestanding PWSFs shall be 20 ft. for front, side, and rear yards. 2. Subject to meeting all applicable development standards, the review process used shall be process I, except for the following proposals: a. Process II for the following proposals: (1) The PWSF is located within 300 ft. of a residential zone; or (2) The PWSF is located on a structure that is a residence or school or contains a residence or school; or (3) The PWSF is a new freestanding PWSF. b. Process III if the PWSF is a lattice tower accommodating four or more providers. 3. Maximum allowed height for a new freestanding PWSF shall be the

USE REGULATIONS ⇩ ⇨	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS									
	Required Review Process	Minimums	Required Yards			Maximum Height	Landscape	Signs	Required Parking Spaces	ZONE BC SPECIAL REGULATIONS AND NOTES
		Lot Size	Front	Side (each)	Rear					
										minimum necessary to provide the service up to 100 ft., plus any height granted under FWRC 19.110.060. A PWSF shall be allowed up to 120 ft. if there are two or more providers; except that a lattice tower of between 120 ft. to 150 ft. will be allowed under a combined application of four or more providers. 4. All PWSFs shall be landscaped and screened in accordance with Chapter 19.125 FWRC and the provisions of the PWSF development regulations. At a minimum, a five ft. type III landscaping area shall be required around the facility, unless the community development services director determines that the facility is adequately screened. 5. New freestanding PWSFs are allowed subject to height limits and collocation provisions. PWSFs are allowed on existing towers, on private buildings and structures, on publicly used structures not located in public rights-of-way, on existing structures located in the BPA trail, and on existing structures in appropriate public rights-of-way. Refer to FWRC 19.256.170 for development standards applicable to allowed types of PWSFs.
Process I, II, III and IV are described in Chapter 19.55 FWRC, Chapter 19.60 FWRC, Chapter 19.65 FWRC, Chapter 19.70 FWRC respectively.						For details of what may exceed this height limit, see FWRC 19.110.050 et seq.			For other information about parking and parking areas, see Chapter 19.130 FWRC.	

USE REGULATIONS ⇩ ⇒	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS									
	Required Review Process	Minimums				Maximum Height	Landscape	Signs	Required Parking Spaces	ZONE BC SPECIAL REGULATIONS AND NOTES
		Lot Size	Required Yards							
			Front	Side (each)	Rear					
										For details regarding required yards, see FWRC 19.125.160 et seq.

(Ord. No. 09-633, § 16, 11-17-09; Ord. No. 07-559, § 3(Exh. A), 7-3-07; Ord. No. 00-363, § 8, 1-4-00; Ord. No. 97-300, § 3, 9-16-97. Code 2001 § 22-762.)

19.220.130 Churches.

The following uses shall be permitted in the community business (BC) zone subject to the regulations and notes set forth in this section:

USE REGULATIONS ⇩ ⇒	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS							
	Required Review Process	Minimums				Height of Structure	Required Parking Spaces	ZONE BC SPECIAL REGULATIONS AND NOTES
		Lot Size	Required Yards					
			Front	Side (each)	Rear			
Church, synagogue or other place of religious worship	Process II, or with SEPA, Process III	None	20 ft. See notes 1 – 5 and 9	0 ft.	0 ft.	35 ft. above average building elevation, but no taller than 55 ft. Sees notes 2, and 4 – 6	1 for each 5 seats or 10 lineal feet of bench seating	1. The subject property may contain a rectory or similar dwelling unit for use by the religious leader of the congregation. If this is a detached dwelling unit, its setbacks are 20 ft. front and five ft. side and rear. 2. If any portion of the principal structure on the subject property is located within 100 ft. of a residential zone, then that portion of the structure shall not exceed 30 ft. above average building elevation and the structure shall be set back a minimum of 30 ft. from the property line of the residential zone. Architectural extensions of flat rooflines such as parapets and articulated cornices may exceed the 30 ft. height limit by three ft. 3. When located adjacent to a residential zone, parking may not be located within 15 ft. of the residential zone property line. 4. Maximum height of any portion of the principal structure may be increased to 40 ft. if all of the following are met: a. The additional height is necessary to accommodate the particular use conducted in the building. b. Each required yard abutting the structure is increased one ft. for each one ft. the structure exceeds 35 ft. above average building elevation. c. An increase in height shall not block views designated by the comprehensive plan.

USE REGULATIONS ⇩ ⇨	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS							
	Required Review Process	Minimums				Height of Structure	Required Parking Spaces	ZONE BC
		Lot Size	Required Yards					
			Front	Side (each)	Rear			
								SPECIAL REGULATIONS AND NOTES
								5. Maximum height of the sanctuary or principal worship area may be increased to 55 ft., if all of the following criteria are met: a. Each required yard abutting the structure is increased one ft. for each one ft. the structure exceeds 35 ft. above average building elevation. b. An increase in height shall not block views designated by the comprehensive plan. 6. Religious symbols and icons for churches and other religious institutions may exceed the highest point of the underlying roof on which it is mounted by an additional 15 ft.; provided, that such symbol is a minor architectural accent and only one such symbol is permitted on the principal structure for this use and that the maximum height of the structure or icon does not exceed 55 feet above average building elevation. 7. No maximum lot coverage is established. Instead, the buildable area will be determined by other site development requirements, i.e., required buffers, parking lot landscaping, surface water facilities, etc. 8. For community design guidelines that apply to the project, see Chapter 19.115 FWRC. 9. For landscaping requirements that apply to the project, see Chapter 19.125 FWRC. 10. For sign requirements that apply to the project, see Chapter 19.140 FWRC. 11. Refer to FWRC 19.265.010 et seq. to determine what other provisions of this chapter may apply to the subject property.
Process I, II, III and IV are described in Chapter 19.55 FWRC, Chapter 19.60 FWRC, Chapter 19.65 FWRC, Chapter 19.70 FWRC respectively.								For other information about parking and parking areas, see Chapter 19.130 FWRC. For details of what may exceed this height limit, see FWRC 19.110.050 et seq. For details regarding required yards, see FWRC 19.125.160 et seq.

(Ord. No. 12-735, § 4(Exh. A), 12-4-12; Ord. No. 09-604, § 3(Exh. A), 3-3-09.)

19.220.140 Urban agriculture.

The following uses shall be permitted in the community business (BC) zone subject to the regulations and notes set forth in this section:

USE REGULATIONS ⇓ ⇒	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS								
	Required Review Process	Minimums				Maximums		Required Parking Spaces	ZONE BC SPECIAL REGULATIONS AND NOTES
		Lot Size	Required Yards			Lot Coverage	Height of Structure		
			Front	Side (each)	Rear				
Community gardens, urban farms, and farm stands Cottage food operations	Process I for community gardens, urban farms, and farm stands None for cottage food operations	None	0 ft.	5 ft.	5 ft.	No max. lot coverage is established. The buildable area will be determined by other site development requirements	35 ft. above average building elevation	Determined on a case-by-case basis	1. Fertilizer, pesticides, and other chemicals used must be typical of that intended for growing edibles in populated areas. 2. Only mechanical equipment designed for use in populated urban areas may be used. 3. For provisions that relate to on-site sales of plants and food products produced on site see Chapter 19.262 FWRC. 4. Refer to Chapter 19.265 FWRC to determine what other provisions of this chapter may apply to the subject property. 5. Refer to Chapter 19.125 FWRC, Outdoors, Yards, and Landscaping, for appropriate requirements. a. Community garden/urban farm planting areas, including raised beds, may be located within required yards and perimeter landscaping areas when the intent of Chapter 19.125 FWRC is met. b. This use is exempt from the requirements of FWRC 19.125.060 except in cases where the director may find that landscaping prescribed under this section is necessary related to some component of the use other than planting areas. 6. For provisions that relate to keeping of animals, see Chapter 19.260 FWRC. 7. For sign requirements that apply to the project, see Chapter 19.140 FWRC. 8. See Chapter 19.262 FWRC for full range of development regulations applicable to urban agriculture. If provisions of this use zone chart conflict

USE REGULATIONS ⇩ ⇒	USE ZONE CHART DIRECTIONS: FIRST, read down to find use . . . THEN, across for REGULATIONS							
	Required Review Process	Minimums				Maximums		Required Parking Spaces	ZONE BC SPECIAL REGULATIONS AND NOTES
		Lot Size	Required Yards			Lot Coverage	Height of Structure		
			Front	Side (each)	Rear				
			See note 5						with provisions of Chapter 19.262 FWRC, the provisions of Chapter 19.262 FWRC shall control.
Process I, II, III and IV are described in Chapter 19.55 FWRC, Chapter 19.60 FWRC, Chapter 19.65 FWRC, Chapter 19.70 FWRC respectively.									For other information about parking and parking areas, see Chapter 19.130 FWRC. For details of what may exceed this height limit, see FWRC 19.110.050 et seq. For details regarding required yards, see FWRC 19.125.160 et seq.

(Ord. No. 13-754, § 14, 12-3-13.)

The Federal Way Revised Code is current through Ordinance 20-887, passed March 3, 2020.

Disclaimer: The city clerk's office has the official version of the Federal Way Revised Code. Users should contact the city clerk's office for ordinances passed subsequent to the ordinance cited above.

City Website: https://www.cityoffederalway.com/
City Telephone: (253) 835-7000

Code Publishing Company

Many King County facilities are closed to the public. Learn how to access services remotely or while following social distancing guidelines. ›

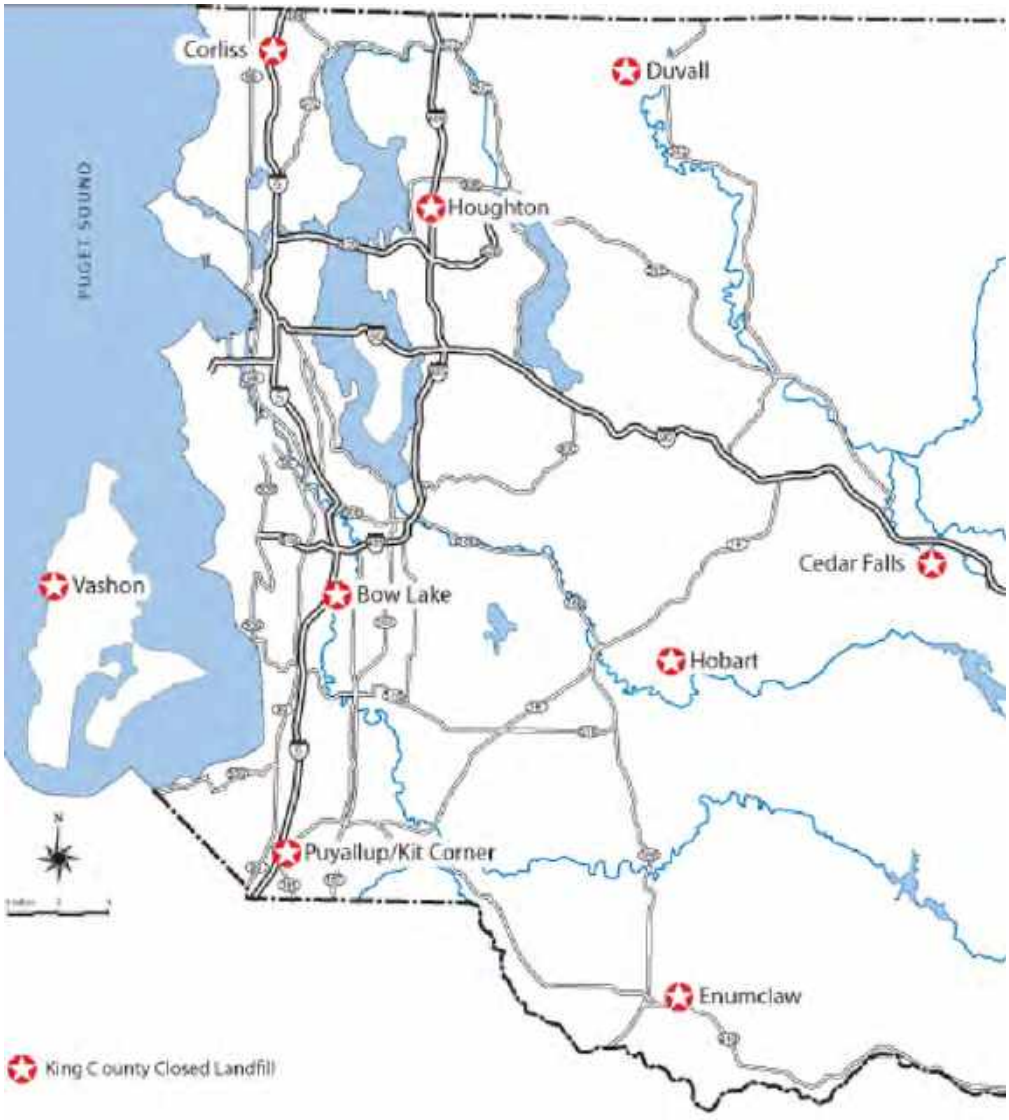
King County

Closed landfills

The Solid Waste Division (SWD) maintains responsibility for nine landfills located throughout King County – seven of these landfills remain in custodial care with regular monitoring. These landfills include Cedar Falls, Duvall, Enumclaw, Hobart, Houghton, Puyallup/Kit Corner, and Vashon.

Landfills undergo routine monitoring of groundwater, surface water, wastewater, and landfill gas as needed. They are closed to the public, except at select landfills where some public activities are compatible with the ongoing maintenance activities.

A variety of documents related to King County's closed landfills are available through the King County Library System. Call the library's Answer Line at 425-462-9600 or 1-800-462-9600, or view a list of documents online to determine which library offers the documents that most interest you.



View a detailed map 240 K of closed landfill locations.

Closed Landfills in King County

Name	Address	Area	Contact	Phone/E-mail
Cedar Falls	16925 Cedar Falls Road SE	North Bend	Isabel McClure	206-477-5229 isabel.mcclure@kingcounty.gov
Duvall	22905 NE Old Woodinville-Duvall Road	Duvall	Isabel McClure	206-477-5229 isabel.mcclure@kingcounty.gov
Enumclaw	North of 1650 Battersby Avenue E.	Enumclaw	Marisa Baptiste	206-477-0458 marisa.baptiste@kingcounty.gov

Hobart	24041 276th Avenue SE	Maple Valley	Kris McArthur	206-477-4557 kris.mcarthur@kingcounty.gov
Houghton	11724 NE 60th Street	Kirkland	Sendy Jimenez	206-477-5224 sendy.jimenez@kingcounty.gov
Puyallup / Kit Corner	1950 S 360th St	Federal Way	Isabel McClure	206-477-5229 isabel.mcclure@kingcounty.gov
Vashon	18910 Westside Highway SW	Vashon Island	Dan Swope	206-477-4623 dan.swope@kingcounty.gov

Two closed landfills have been largely excavated during the construction of transfer stations at their location, but SWD maintains custodial responsibilities for the sites at Bow Lake and Corliss.

Name	Address	Area	Contact	Phone/E-mail
Bow Lake	NE Corner of South 188th St. & I-5	Tukwila	Francis Gaspay	206-477-5220 francisco.gaspay@kingcounty.gov
Corliss	NE Corner of Corliss Avenue N. & N. 163rd St.	Shoreline	Francis Gaspay	206-477-5220 francisco.gaspay@kingcounty.gov

Related information

- King County Green Bonds: Landfill closures
  King County's Green Bonds program supports projects that help combat climate change.

King County Solid Waste Division

Administrative offices:
King Street Center
201 S. Jackson St.
Suite 701
Seattle, WA 98104

Get directions

Contact Us

Send us an email

Call: 206-477-4466

TTY Relay: 711

Fax: 206-296-0197

Waste Prevention • Resource Recovery • Waste Disposal

Last Updated April 10, 2017

CF Federal Way LLC
29805 Pacific Hwy S
FEDERAL WAY, WA 98003

Inquiry Number: 6082624.14s
June 04, 2020

EDR NEPASearch™ Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EDR NEPASearch DESCRIPTION

The National Environmental Policy Act of 1969 (NEPA) requires that Federal agencies include in their decision-making processes appropriate and careful consideration of all environmental effects and actions, analyze potential environmental effects of proposed actions and their alternatives for public understanding and scrutiny, avoid or minimize adverse effects of proposed actions, and restore and enhance environmental quality as much as possible.

The EDR NEPASearch Map Report provides information which may be used, in conjunction with additional research, to determine whether a proposed site or action will have significant environmental effect.

TARGET PROPERTY ADDRESS

CF FEDERAL WAY LLC
29805 PACIFIC HWY S
FEDERAL WAY, WA 98003

Inquiry #: 6082624.14s
Date: 6/4/20

TARGET PROPERTY COORDINATES

Latitude (North):	47.335236 - 47° 20' 6.8''
Longitude (West):	122.312775 - 122° 18' 46.0''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	551920.4
UTM Y (Meters):	5242429.0

The report provides maps and data for the following items (where available). Search results are provided in the Map Findings Summary on page 2 of this report.

Section	Regulation
Natural Areas Map	
• Federal Lands Data:	
- Officially designated wilderness areas	47 CFR 1.1307(1)
- Officially designated wildlife preserves, sanctuaries and refuges	47 CFR 1.1307(2)
- Wild and scenic rivers	40 CFR 6.302(e)
- Fish and Wildlife	40 CFR 6.302
• Threatened or Endangered Species, Fish and Wildlife, Critical Habitat Data (where available)	47 CFR 1.1307(3); 40 CFR 6.302
Historic Sites Map	
• National Register of Historic Places	47 CFR 1.1307(4); 40 CFR 6.302
• State Historic Places (where available)	
• Indian Reservations	
Flood Plain Map	
• National Flood Hazard Layer Data (where available)	47 CFR 1.1307(6); 40 CFR 6.302
• FEMA Q3 Flood Data (where available)	47 CFR 1.1307(6); 40 CFR 6.302
Wetlands Map	
• National Wetlands Inventory Data (where available)	47 CFR 1.1307(7); 40 CFR 6.302
• State Wetlands Data (where available)	47 CFR 1.1307(7); 40 CFR 6.302
FCC & FAA Map	
• FCC antenna/tower sites, FAA Markings and Obstructions, Airports, Topographic gradient	47 CFR 1.1307(8)

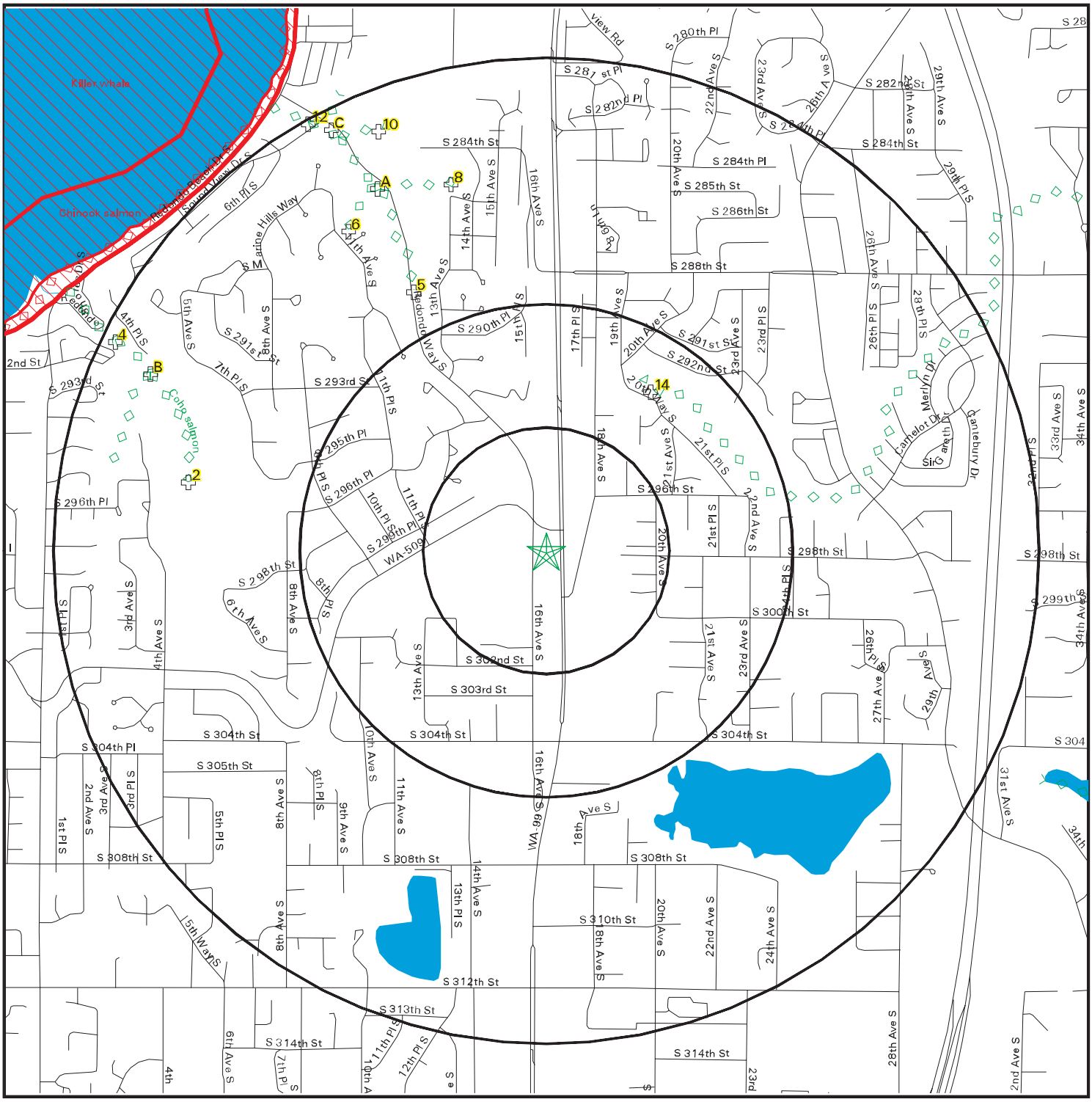
Key Contacts and Government Records Searched

MAP FINDINGS SUMMARY

The databases searched in this report are listed below. Database descriptions and other agency contact information is contained in the Key Contacts and Government Records Searched section on page 592 of this report.

Applicable Regulation from 47 CFR/FCC Checklist	Database	Search Distance (Miles)	Within Search	Within 1/8 Mile
NATURAL AREAS MAP				
1.1307a (1) Officially Designated Wilderness Area	US Federal Lands	1.00	NO	NO
	US Wilderness Preservation	1.00	NO	NO
1.1307a (2) Officially Designated Wildlife Preserve	US Federal Lands	1.00	NO	NO
	WA Fish Distribution	1.00	YES	NO
	US ACEC	1.00	NO	NO
	US Scenic River	1.00	NO	NO
	WA DNR Managed Lands	1.00	NO	NO
	WA Major Public Lands	1.00	NO	NO
	WA Wildlife Areas	1.00	NO	NO
	WA Fish Basin	1.00	NO	NO
	US Proclamation Boundaries	1.00	NO	NO
	US NCED	1.00	NO	NO
	US Critical Water Habitat	1.00	NO	NO
	US Critical Land Habitat	1.00	NO	NO
1.1307a (3) Threatened or Endangered Species or Critical Habitat	US Endangered Species	County	YES	N/A
1.1307a (3) Threatened or Endangered Species or Critical Habitat	Priority Habitats and Species	1.00	NO	NO
HISTORIC SITES MAP				
1.1307a (4) Listed or eligible for National Register	Potomac Heritage National Scen	1.00	NO	NO
1.1307a (4) Listed or eligible for National Register	Natchez Trace National Scenic	1.00	NO	NO
	Indian Reservations	1.00	NO	NO
1.1307a (4) Listed or eligible for National Register	WA Historic Barns	1.00	NO	NO
1.1307a (4) Listed or eligible for National Register	WA HPI	1.00	YES	YES
1.1307a (4) Listed or eligible for National Register	WA Register Districts	1.00	NO	NO
1.1307a (4) Listed or eligible for National Register	WA Historic Register	1.00	NO	NO
1.1307a (4) Listed or eligible for National Register	US Trails	1.00	NO	NO
1.1307a (4) Listed or eligible for National Register	National Register of Hist. Pla	1.00	NO	NO
FLOOD PLAIN MAP				
1.1307 (6) Located in a Flood Plain	Special Flood Hazard Area (1%)	1.00	NO	NO
1.1307 (6) Located in a Flood Plain	0.2% Annual Chance Flood Hazar	1.00	NO	NO
WETLANDS MAP				
1.1307 (7) Change in surface features (wetland fill)	NWI	1.00	YES	NO
1.1307 (7) Change in surface features (wetland fill)	STATE	1.00	NO	NO
	WA COASTAL ZONE	20.00	YES	NO
FCC & FAA SITES MAP				
	Cellular	1.00	NO	NO
	Antenna Structure Registration	1.00	NO	NO
	AM Antenna	1.00	NO	NO
	FM Antenna	1.00	NO	NO
	FAA DOF	1.00	NO	NO
	Airports	1.00	NO	---
	Power Lines	1.00	YES	---

Natural Areas Map



SITE NAME:	CF Federal Way LLC	CLIENT:	TGE Resources, Inc.
ADDRESS:	29805 Pacific Hwy S FEDERAL WAY WA 98003	CONTACT:	Gwen Younts
		INQUIRY #:	6082624.14s
LAT/LONG:	47.335234 / 122.312776	DATE:	June 4, 2020

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Federal Endangered Species from the U.S. Fish and Wildlife for KING County

Group:Amphibians

Common Name: Oregon spotted frog
Scientific Name: Rana pretiosa
Status: Threatened

Group:Birds

Common Name: Yellow-billed Cuckoo
Scientific Name: Coccyzus americanus
Status: Threatened

Common Name: Northern spotted owl
Scientific Name: Strix occidentalis caurina
Status: Threatened

Common Name: Marbled murrelet
Scientific Name: Brachyramphus marmoratus
Status: Threatened

Group:Conifers and Cycads

Common Name: Whitebark pine
Scientific Name: Pinus albicaulis
Status: Candidate

Group:Fishes

Common Name: Bull Trout
Scientific Name: Salvelinus confluentus
Status: Threatened

Group:Mammals

Common Name: Grizzly bear
Scientific Name: Ursus arctos horribilis
Status: Threatened

Common Name: Gray wolf
Scientific Name: Canis lupus
Status: Endangered

Common Name: Killer whale
Scientific Name: Orcinus orca
Status: Endangered

Common Name: Grizzly bear
Scientific Name: Ursus arctos horribilis
Status: Under Review

Common Name: Humpback whale
Scientific Name: Megaptera novaeangliae
Status: Endangered

Group:Snails

Common Name: Puget oregonian
Scientific Name: Cryptomastix devia
Status: Under Review

Federal Endangered Species from the U.S. Fish and Wildlife for WA State

Group:Amphibians

Common Name: Cascades frog
Scientific Name: Rana cascadae
Status: Under Review

Common Name: Tailed frog
Scientific Name: Ascaphus truei
Status: Species of Concern

Common Name: Northern red-legged frog
Scientific Name: Rana aurora aurora

Federal Endangered Species from the U.S. Fish and Wildlife for WA State (Continued...)

Status: Species of Concern

Group:Birds

Common Name: Little willow flycatcher
Scientific Name: Empidonax traillii brewsteri
Status: Species of Concern

Common Name: Tufted Puffin
Scientific Name: Fratercula cirrhata
Status: Under Review

Common Name: Black tern
Scientific Name: Chlidonias niger
Status: Species of Concern

Group:Conifers and Cycads

Common Name: Yellow cedar
Scientific Name: Calliptropsis nootkatensis
Status: Under Review

Group:Fishes

Common Name: Steelhead
Scientific Name: Oncorhynchus (=Salmo) mykiss
Status: Threatened

Common Name: Chinook salmon
Scientific Name: Oncorhynchus (=Salmo) tshawytscha
Status: Threatened

Common Name: Sockeye salmon
Scientific Name: Oncorhynchus (=Salmo) nerka
Status: Endangered

Common Name: Chum salmon
Scientific Name: Oncorhynchus keta
Status: Threatened

Common Name: Chinook salmon
Scientific Name: Oncorhynchus (=Salmo) tshawytscha
Status: Threatened

Common Name: Chinook salmon
Scientific Name: Oncorhynchus (=Salmo) tshawytscha
Status: Threatened

Common Name: Steelhead
Scientific Name: Oncorhynchus (=Salmo) mykiss
Status: Threatened

Common Name: Sockeye salmon
Scientific Name: Oncorhynchus (=Salmo) nerka
Status: Threatened

Common Name: Chinook salmon
Scientific Name: Oncorhynchus (=Salmo) tshawytscha
Status: Endangered

Common Name: Chinook salmon
Scientific Name: Oncorhynchus (=Salmo) tshawytscha
Status: Threatened

Common Name: Chum salmon
Scientific Name: Oncorhynchus keta
Status: Threatened

Common Name: Steelhead
Scientific Name: Oncorhynchus (=Salmo) mykiss
Status: Threatened

Federal Endangered Species from the U.S. Fish and Wildlife for WA State (Continued...)

Common Name: Steelhead
Scientific Name: Oncorhynchus (=Salmo) mykiss
Status: Threatened

Group:Flowering Plants

Common Name: Washington monkey-flower
Scientific Name: Mimulus washingtonensis washingtonensis
Status: Species of Concern

Common Name: Queen-of-the-forest
Scientific Name: Filipendula occidentalis
Status: Species of Concern

Common Name: No common name
Scientific Name: Calochortus nitidus
Status: Species of Concern

Common Name: Blue Mountain onion
Scientific Name: Allium dictuon
Status: Species of Concern

Common Name: Stalk-leaved monkey-flower
Scientific Name: Mimulus patulus
Status: Species of Concern

Common Name: Curtus aster
Scientific Name: Sericocarpus rigidus
Status: Species of Concern

Common Name: No common name
Scientific Name: Penstemon barrettiae
Status: Species of Concern

Common Name: Suksdorf's desert-parsley
Scientific Name: Lomatium suksdorfii
Status: Species of Concern

Common Name: No common name
Scientific Name: Sullivantia oregana
Status: Species of Concern

Common Name: Howell's montia
Scientific Name: Montia howellii
Status: Species of Concern

Common Name: No common name
Scientific Name: Oxytropis campestris wanapum
Status: Species of Concern

Common Name: No common name
Scientific Name: Corydalis aquae-gelidae
Status: Species of Concern

Common Name: Tundra shootingstar
Scientific Name: Dodecatheon austrofrigidum
Status: Species of Concern

Common Name: Gorge fleabane
Scientific Name: Erigeron oreganus
Status: Species of Concern

Common Name: Cotton's milk-vetch
Scientific Name: Astragalus cottonii
Status: Species of Concern

Common Name: Jessica's aster
Scientific Name: Symphyotrichum jessicae
Status: Species of Concern

Common Name: Tall bugbane
Scientific Name: Cimicifuga elata
Status: Species of Concern

Federal Endangered Species from the U.S. Fish and Wildlife for WA State (Continued...)

Common Name: Rose-purple sand-verbena
Scientific Name: Abronia umbellata acutalata
Status: Species of Concern

Common Name: Hoover's tauschia
Scientific Name: Tauschia hooveri
Status: Species of Concern

Common Name: Thurber's reedgrass
Scientific Name: Calamagrostis crassiglumis
Status: Species of Concern

Common Name: Larkspur
Scientific Name: Delphinium leucophaeum
Status: Species of Concern

Common Name: No common name
Scientific Name: Astragalus diaphanus diurnus
Status: Species of Concern

Common Name: No common name
Scientific Name: Pyrrocoma liatriformis
Status: Species of Concern

Common Name: Howell's fleabane
Scientific Name: Erigeron howellii
Status: Species of Concern

Common Name: Mountain blue-eyed grass
Scientific Name: Sisyrinchium sarmentosum
Status: Under Review

Group:Insects

Common Name: Fender's soliperlan stonefly
Scientific Name: Soliperla fenderi
Status: Species of Concern

Common Name: Beller's ground beetle
Scientific Name: Agonum belleri
Status: Species of Concern

Common Name: Hatch's click beetle
Scientific Name: Eanus hatchi
Status: Species of Concern

Common Name: Monarch buttefly
Scientific Name: Danaus plexippus plexippus
Status: Under Review

Common Name: Lynn's clubtail
Scientific Name: Gomphus lynnae
Status: Species of Concern

Group:Mammals

Common Name: Potholes meadow vole
Scientific Name: Microtus pennsylvanicus kincaidi
Status: Species of Concern

Common Name: Destruction Island shrew
Scientific Name: Sorex trowbridgii destructioni
Status: Species of Concern

Common Name: Pacific Townsend's big-eared bat
Scientific Name: Plecotus townsendii townsendii
Status: Species of Concern

Group:Snails

Common Name: Newcomb's littorine snail
Scientific Name: Algamorda newcombiana
Status: Species of Concern

Federal Endangered Species from the U.S. Fish and Wildlife for WA State (Continued...)

Common Name: Evening fieldslug Scientific Name: Deroceras hesperium
Status: Under Review

Map ID Direction Distance Distance (ft.)			EDR ID Database
B1 WNW 1/2-1 mi 4654			WANAGFD10026070 WA Fish Distribution
	Stream and Tributary:	Unnamed Stream [1223287473406], trib to Unnamed Stream [1223326473434]	
	Species:	Coastal cutthroat trout	
	Scientific Name:	Oncorhynchus clarkii clarkii	
	Run of Species:	N/A	
	Subrun of Species:	N/A	
	Life History Type:	Unknown	
	Fish Use:	Migration only	
	Basis:	Unknown	
	Title:	SWIFD (WDFW Statewide Integrated Fish Distribution)	
	Authors:	Washington Dept. of Fish and Wildlife	
	Publication Year:	2018	
2 West 1/2-1 mi 3907			WANAGFD10026071 WA Fish Distribution
	Stream and Tributary:	Unnamed Stream [1223326473434], flows into Puget Sound	
	Species:	Coho salmon	
	Scientific Name:	Oncorhynchus kisutch	
	Run of Species:	N/A	
	Subrun of Species:	N/A	
	Life History Type:	Anadromous	
	Fish Use:	Migration only	
	Basis:	Unknown	
	Title:	SWIFD (WDFW Statewide Integrated Fish Distribution)	
	Authors:	Washington Dept. of Fish and Wildlife	
	Publication Year:	2018	
B3 WNW 1/2-1 mi 4654			WANAGFD10026093 WA Fish Distribution
	Stream and Tributary:	Unnamed Stream [1223326473434], flows into Puget Sound	

Species:	Coho salmon
Scientific Name:	Oncorhynchus kisutch
Run of Species:	N/A
Subrun of Species:	N/A
Life History Type:	Anadromous
Fish Use:	Migration only
Basis:	Unknown
Title:	SWIFD (WDFW Statewide Integrated Fish Distribution)
Authors:	Washington Dept. of Fish and Wildlife
Publication Year:	2018

4
WNW
1/2-1 mi
5142

WANAGFD10026100
WA Fish Distribution

Stream and Tributary:	Unnamed Stream [1223326473434], flows into Puget Sound
Species:	Coho salmon
Scientific Name:	Oncorhynchus kisutch
Run of Species:	N/A
Subrun of Species:	N/A
Life History Type:	Anadromous
Fish Use:	Migration only
Basis:	Unknown
Title:	SWIFD (WDFW Statewide Integrated Fish Distribution)
Authors:	Washington Dept. of Fish and Wildlife
Publication Year:	2018

5
NNW
1/2-1 mi
3134

WANAGFD10026142
WA Fish Distribution

Stream and Tributary:	Unnamed Stream [1223235473484], flows into Puget Sound
Species:	Coastal cutthroat trout
Scientific Name:	Oncorhynchus clarkii clarkii
Run of Species:	N/A
Subrun of Species:	N/A
Life History Type:	Unknown
Fish Use:	Migration only
Basis:	Unknown
Title:	SWIFD (WDFW Statewide Integrated Fish Distribution)
Authors:	Washington Dept. of Fish and Wildlife
Publication Year:	2018

6
NNW
1/2-1 mi
4044

WANAGFD10026143
WA Fish Distribution

Stream and Tributary:	Not Reported
Species:	Coho salmon
Scientific Name:	Oncorhynchus kisutch
Run of Species:	N/A
Subrun of Species:	N/A
Life History Type:	Anadromous
Fish Use:	Migration only
Basis:	Unknown
Title:	SWIFD (WDFW Statewide Integrated Fish Distribution)
Authors:	Washington Dept. of Fish and Wildlife
Publication Year:	2018

A7
NNW
1/2-1 mi
4258

WANAGFD10026144
WA Fish Distribution

Stream and Tributary:	Unnamed Stream [1223235473484], flows into Puget Sound
Species:	Coastal cutthroat trout
Scientific Name:	Oncorhynchus clarkii clarkii
Run of Species:	N/A
Subrun of Species:	N/A
Life History Type:	Unknown
Fish Use:	Migration only
Basis:	Unknown
Title:	SWIFD (WDFW Statewide Integrated Fish Distribution)
Authors:	Washington Dept. of Fish and Wildlife
Publication Year:	2018

8
NNW
1/2-1 mi
4079

WANAGFD10026146
WA Fish Distribution

Stream and Tributary:	Not Reported
Species:	Coho salmon
Scientific Name:	Oncorhynchus kisutch
Run of Species:	N/A
Subrun of Species:	N/A
Life History Type:	Anadromous
Fish Use:	Migration only
Basis:	Unknown
Title:	SWIFD (WDFW Statewide Integrated Fish Distribution)
Authors:	Washington Dept. of Fish and Wildlife
Publication Year:	2018

A9
NNW
1/2-1 mi
4342

WANAGFD10026166
WA Fish Distribution

Stream and Tributary:	Unnamed Stream [1223235473484], flows into Puget Sound
Species:	Coastal cutthroat trout
Scientific Name:	Oncorhynchus clarkii clarkii
Run of Species:	N/A
Subrun of Species:	N/A
Life History Type:	Unknown
Fish Use:	Migration only
Basis:	Unknown
Title:	SWIFD (WDFW Statewide Integrated Fish Distribution)
Authors:	Washington Dept. of Fish and Wildlife
Publication Year:	2018

10
NNW
1/2-1 mi
4859

WANAGFD10026177
WA Fish Distribution

Stream and Tributary:	Unnamed Stream [1223205473475], trib to Unnamed Stream [1223235473484]
Species:	Coho salmon
Scientific Name:	Oncorhynchus kisutch
Run of Species:	N/A
Subrun of Species:	N/A
Life History Type:	Anadromous
Fish Use:	Migration only
Basis:	Unknown
Title:	SWIFD (WDFW Statewide Integrated Fish Distribution)
Authors:	Washington Dept. of Fish and Wildlife
Publication Year:	2018

C11
NNW
1/2-1 mi
4961

WANAGFD10026178
WA Fish Distribution

Stream and Tributary:	Unnamed Stream [1223235473484], flows into Puget Sound
Species:	Coastal cutthroat trout
Scientific Name:	Oncorhynchus clarkii clarkii
Run of Species:	N/A
Subrun of Species:	N/A
Life History Type:	Unknown
Fish Use:	Migration only
Basis:	Unknown
Title:	SWIFD (WDFW Statewide Integrated Fish Distribution)
Authors:	Washington Dept. of Fish and Wildlife
Publication Year:	2018

12
NNW
1/2-1 mi
5255

WANAGFD10026193
WA Fish Distribution

Stream and Tributary:	Unnamed Stream [1223235473484], flows into Puget Sound
Species:	Coastal cutthroat trout
Scientific Name:	Oncorhynchus clarkii clarkii
Run of Species:	N/A
Subrun of Species:	N/A
Life History Type:	Unknown
Fish Use:	Migration only
Basis:	Unknown
Title:	SWIFD (WDFW Statewide Integrated Fish Distribution)
Authors:	Washington Dept. of Fish and Wildlife
Publication Year:	2018

C13
NNW
1/2-1 mi
5204

WANAGFD10026201
WA Fish Distribution

Stream and Tributary:	Unnamed Stream [1223216473479], trib to Unnamed Stream [1223235473484]
Species:	Coastal cutthroat trout
Scientific Name:	Oncorhynchus clarkii clarkii
Run of Species:	N/A
Subrun of Species:	N/A
Life History Type:	Unknown
Fish Use:	Migration only
Basis:	Unknown
Title:	SWIFD (WDFW Statewide Integrated Fish Distribution)
Authors:	Washington Dept. of Fish and Wildlife
Publication Year:	2018

14
NNE
1/4-1/2 mi
2055

WANAGFD10026231
WA Fish Distribution

Stream and Tributary:	Unnamed Stream [1222579473535], trib to Unnamed Stream [1222643473766]
Species:	Coastal cutthroat trout
Scientific Name:	Oncorhynchus clarkii clarkii
Run of Species:	N/A
Subrun of Species:	N/A
Life History Type:	Unknown
Fish Use:	Migration only
Basis:	Unknown
Title:	SWIFD (WDFW Statewide Integrated Fish Distribution)
Authors:	Washington Dept. of Fish and Wildlife
Publication Year:	2018

Endangered Species Codes

Global Imperilment Rank Codes - GRANK: Priority rank (1-5) based on number of occurrences through element's range.

G1 - Critically imperiled globally because of extreme rarity (5 or fewer occurrences or very few remaining individuals or acres) or because of some factor(s) making it especially vulnerable to extinction.

G2 - Imperiled globally because of rarity (6-20 occurrences or few remaining individuals or acres) or because of some factor(s) making it especially vulnerable to extinction.

G3 - Vulnerable. Either very rare and local throughout its range or found locally (even abundantly at some of its locations) in a restricted range. (e.g., a single western state, a physiographic region in the East) or because of other factors making it vulnerable to extinction throughout its range; in terms of occurrences, in the range of 21 - 100.

G4 - Apparently secure globally, though it may be quite rare in parts of its range, especially at the periphery.

G5 - Demonstrably secure globally, though it may be quite rare in parts of its range, especially at the periphery.

GH - Possibly extinct or eliminated. Of historical occurrence throughout its range, i.e., formerly part of the established biota, with the expectation that it may be rediscovered (e.g., Bachman's Warbler). For historic and ecological communities, no likelihood for rediscovery, but possibility of restoration (e.g., American Chestnut Forest).

GNA - Not applicable to the element at a global level. Includes Hybrids, Invasive species, species of Domestic Origin, Cultural communities, and communities that have been managed.

GNR - Rank not assigned.

GU - Unrankable. Possibly in peril range-wide but status uncertain; more information is needed.

GX - Believed to be extinct throughout range (e.g., Passenger Pigeon) with virtually no likelihood that it will be rediscovered. For an ecological community, no restoration potential.

G#G# - Rank with a range. Used to show the range of uncertainty, will not skip more than 1 rank.

T-RANKS - T subranks are given to global ranks when a subspecies, variety, or race is considered at the state level. The subrank is made up of a "T" plus a number or letter (1, 2, 3, 4, 5, H, U, X) with the same ranking rules as a full species.

State Rank Codes - SRANK: Priority rank (1-5) based on number of occurrences through element's range.

S1 - Critically imperiled, Extremely rare. Typically 5 or fewer estimated occurrences in the state, or only a few remaining individuals, may be especially vulnerable to extirpation.

S2 - Imperiled, very rare. Typically between 5 and 20 estimated occurrences or with many individuals in fewer occurrences, often susceptible to becoming extirpated.

S3 - Vulnerable, rare to uncommon. Typically between 21 and 100 estimated occurrences, may have fewer occurrences but with large number of individuals in some populations, may be susceptible to large-scale disturbances.

S4 - Common, apparently secure under present conditions. Typically 100 or more estimated occurrences, but may be fewer with many large populations, may be restricted to only a portion of the state, usually not susceptible to immediate threats.

S5 - Demonstrably widespread, common, and secure in the state and essentially ineradicable under present conditions.

SA - Accidental.

SH - Historically known from the state, but not verified for an extended period, usually 15 years.

SU - Unrankable, not assessed. Possibly in peril in the state, but status uncertain, more information is needed. When possible, the most likely rank is assigned and a question mark is added to show uncertainty.

SX - Apparently extirpated from state.

SNR - Unranked. The state rank not yet assessed.

SRF - Reported falsely in the state.

SE - Exotic for local area.

SZ - Birds that migrate through the state but have no identifiable location.

S#S# - State level of G#G#.

Endangered Species Codes, (Continued...)

General Ranking Notes

Q - A "Q" in the global rank indicates the element’s taxonomic classification as a species is a matter of conjecture among scientists.

A - Accidental - far outside usual range

C - Captive or Cultivated only

HYB - Element represents an interspecific hybrid, not a species

R - Reported but not confirmed

Z - Zero Occurrences

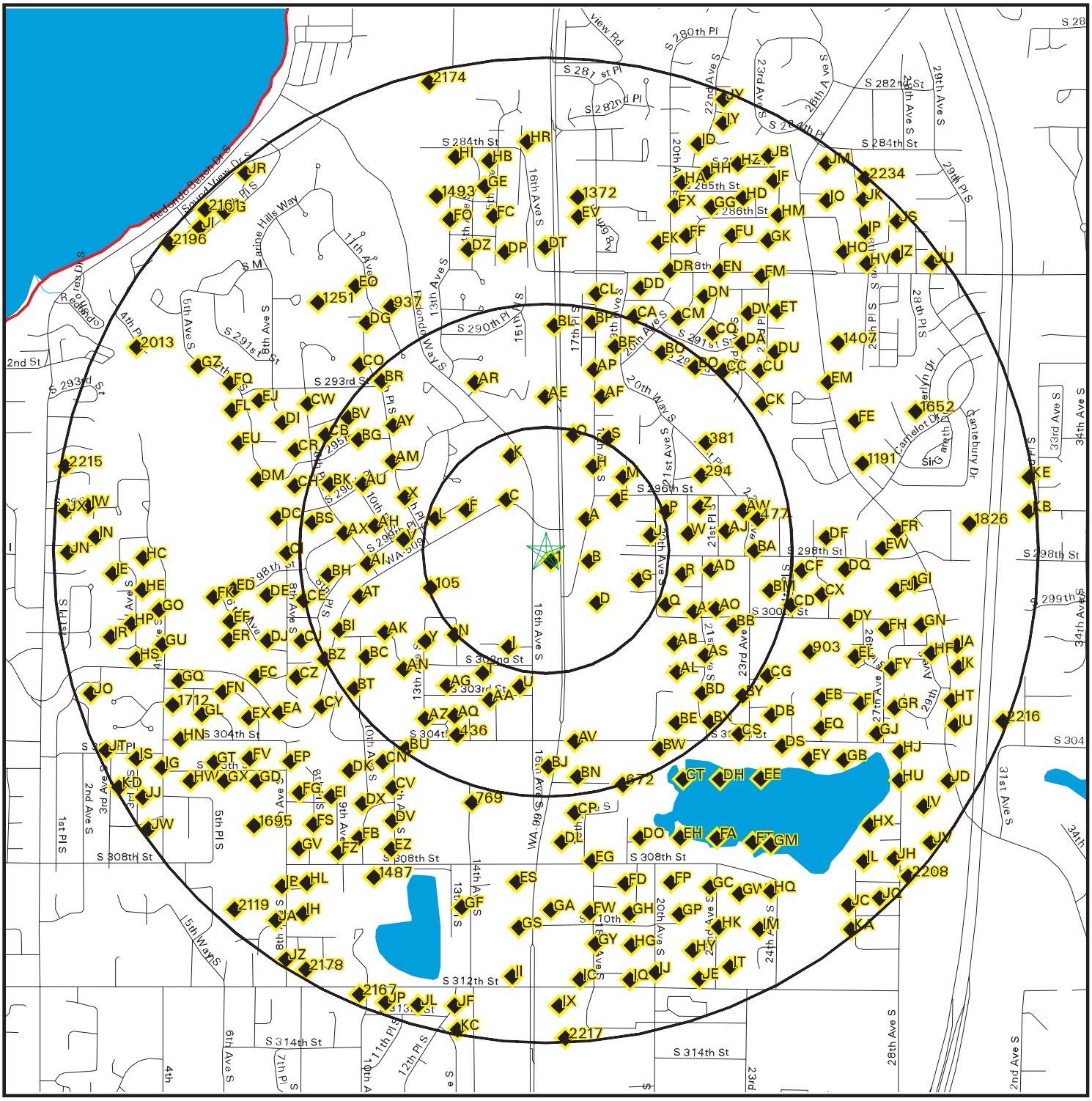
Breeding Status Qualifiers (animals only)

B - Breeding population of the element

N - Nonbreeding population of the element

M - Migrant population

Historic Sites Map



- Target Property
- Streets
- County Boundary
- Waterways
- Water
- Historic Sites
- Federal Historic Areas
- State Historic Areas
- US Indian Reservations
- Scenic Trail

SITE NAME:	CF Federal Way LLC	CLIENT:	TGE Resources, Inc.
ADDRESS:	29805 Pacific Hwy S FEDERAL WAY WA 98003	CONTACT:	Gwen Younts
LAT/LONG:	47.335234 / 122.312776	INQUIRY #:	6082624.14s
		DATE:	June 4, 2020

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HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
1 SSE 0-1/8 mi 131	**Payless Auto Mart** **29805 Pacific Hwy S** **Federal Way, WA 98003** Historic ID: 673332 Tax Parcel ID: 0421049157 Year Built: 1970 Registry Status: Determined Not Eligible	**WAI201600324782** **WA HPI**
A2 NE 0-1/8 mi 450	**Not Reported** **29633 18TH AVE S** **Federal Way, WA** Historic ID: 308870 Tax Parcel ID: 3674400055 Year Built: 1952 Registry Status: Not Determined	**WAI201600494526** **WA HPI**
A3 ENE 0-1/8 mi 457	**29633 18th Ave S** **29633 18th Ave S** **Federal Way, WA 98003** Historic ID: 673427 Tax Parcel ID: 3674400055 Year Built: 1952 Registry Status: Determined Not Eligible	**WAI201600028565** **WA HPI**
A4 East 0-1/8 mi 473	**29868 18th Ave S** **29868 18th Ave S** **Federal Way, WA 98003** Historic ID: 674319 Tax Parcel ID: 0421049135 Year Built: 1960 Registry Status: Determined Not Eligible	**WAI201600399703** **WA HPI**
B5 ESE 0-1/8 mi 476	**29810 18th Ave S** **29810 18th Ave S** **Federal Way, WA 98003**	**WAI201600182514** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 675352 Tax Parcel ID: 3674400141 Year Built: 1967 Registry Status: Determined Not Eligible	
B6 **ESE** **0-1/8 mi** **476**	**Not Reported** **29810 18TH AVE S** **Federal Way, WA**	**WAI201600130890** **WA HPI**
	Historic ID: 396892 Tax Parcel ID: 3674400141 Year Built: 1967 Registry Status: Not Determined	
A7 **NE** **0-1/8 mi** **488**	**Not Reported** **29627 18TH AVE S** **Federal Way, WA**	**WAI201600213442** **WA HPI**
	Historic ID: 321633 Tax Parcel ID: 3674400050 Year Built: 1959 Registry Status: Not Determined	
A8 **NE** **0-1/8 mi** **498**	**29627 18th Ave S** **29627 18th Ave S** **Federal Way, WA 98003**	**WAI201600028566** **WA HPI**
	Historic ID: 673428 Tax Parcel ID: 3674400050 Year Built: 1959 Registry Status: Determined Not Eligible	
A9 **NE** **0-1/8 mi** **537**	**Not Reported** **29621 18TH AVE S** **Federal Way, WA**	**WAI201600493235** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 304723
Tax Parcel ID: 3674400035
Year Built: 1959
Registry Status: Not Determined

A10
East
0-1/8 mi
541

Not Reported
29650 18TH AVE S
Federal Way, WA

WAI201600131306
WA HPI

Historic ID: 397680
Tax Parcel ID: 3674400131
Year Built: 1960
Registry Status: Not Determined

A11
NE
0-1/8 mi
543

29621 18th Ave S
29621 18th Ave S
Federal Way, WA 98003

WAI201600028567
WA HPI

Historic ID: 673429
Tax Parcel ID: 3674400035
Year Built: 1959
Registry Status: Determined Not Eligible

A12
NE
0-1/8 mi
581

Not Reported
29615 18TH AVE S
Federal Way, WA

WAI201600212221
WA HPI

Historic ID: 319282
Tax Parcel ID: 3674400030
Year Built: 1955
Registry Status: Not Determined

A13
NE
0-1/8 mi
590

29615 18th Ave S
29615 18th Ave S
Federal Way, WA 98003

WAI201600028568
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 673430 Tax Parcel ID: 3674400030 Year Built: 1955 Registry Status: Determined Not Eligible	
A14 **NE** **0-1/8 mi** **608**	**29609 18th Ave S** **29609 18th Ave S** **Federal Way, WA 98003**	**WAI201600028569** **WA HPI**
	Historic ID: 673431 Tax Parcel ID: 3674400015 Year Built: 1955 Registry Status: Determined Not Eligible	
C15 **NNW** **0-1/8 mi** **630**	**Marine Hills Cleaners** **1520 S Dash Point Rd** **Federal Way, WA 98003**	**WAI201600324780** **WA HPI**
	Historic ID: 673330 Tax Parcel ID: 0521049158 Year Built: 1966 Registry Status: Determined Not Eligible	
C16 **NNW** **0-1/8 mi** **636**	**Not Reported** **1520 S DASH POINT RD** **Federal Way, WA**	**WAI201600306458** **WA HPI**
	Historic ID: 342345 Tax Parcel ID: 0521049158 Year Built: 1966 Registry Status: Not Determined	
A17 **NE** **0-1/8 mi** **634**	**Not Reported** **29609 18TH AVE S** **Federal Way, WA**	**WAI201600493439** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 305215 Tax Parcel ID: 3674400015 Year Built: 1955 Registry Status: Not Determined	
A18 **ENE** **0-1/8 mi** **652**	**Not Reported** **29644 18TH AVE S** **Federal Way, WA**	**WAI201600215111** **WA HPI**
	Historic ID: 326512 Tax Parcel ID: 3674400125 Year Built: 1962 Registry Status: Not Determined	
A19 **NNE** **1/8-1/4 mi** **672**	**29603 18th Ave S** **29603 18th Ave S** **Federal Way, WA 98003**	**WAI201600028570** **WA HPI**
	Historic ID: 673432 Tax Parcel ID: 3674400010 Year Built: 1956 Registry Status: Determined Not Eligible	
A20 **NE** **1/8-1/4 mi** **687**	**Not Reported** **29603 18TH AVE S** **Federal Way, WA**	**WAI201600064482** **WA HPI**
	Historic ID: 317224 Tax Parcel ID: 3674400010 Year Built: 1956 Registry Status: Not Determined	
D21 **SE** **1/8-1/4 mi** **692**	**29850 18th Ave S** **29850 18th Ave S** **Federal Way, WA 98003**	**WAI201600028548** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 673408 Tax Parcel ID: 3674400160 Year Built: 1949 Registry Status: Determined Not Eligible	
A22 **ENE** **1/8-1/4 mi** **694**	**Not Reported** **29632 18TH AVE S** **Federal Way, WA**	**WAI201600210629** **WA HPI**
	Historic ID: 314583 Tax Parcel ID: 3674400120 Year Built: 1940 Registry Status: Not Determined	
D23 **SE** **1/8-1/4 mi** **704**	**Not Reported** **29850 18TH AVE S** **Federal Way, WA**	**WAI201600215132** **WA HPI**
	Historic ID: 326533 Tax Parcel ID: 3674400160 Year Built: 1949 Registry Status: Not Determined	
D24 **SE** **1/8-1/4 mi** **776**	**29854 Pacific Hwy S** **29854 Pacific Hwy S** **Federal Way, WA 98003**	**WAI201600182515** **WA HPI**
	Historic ID: 675353 Tax Parcel ID: 3674400165 Year Built: 1956 Registry Status: Determined Not Eligible	
D25 **SE** **1/8-1/4 mi** **775**	**Not Reported** **29854 PACIFIC HWY S** **Federal Way, WA**	**WAI201600063463** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	312155	
	Tax Parcel ID:	3674400165	
	Year Built:	1956	
	Registry Status:	Not Determined	
E26 **ENE** **1/8-1/4 mi** **797**	**Not Reported** **29612 18TH AVE S** **Federal Way, WA**		**WAI201600128297** **WA HPI**
	Historic ID:	390283	
	Tax Parcel ID:	3674400110	
	Year Built:	1942	
	Registry Status:	Not Determined	
E27 **NE** **1/8-1/4 mi** **814**	**Not Reported** **29604 18TH AVE S** **Federal Way, WA**		**WAI201600496766** **WA HPI**
	Historic ID:	314926	
	Tax Parcel ID:	3674400106	
	Year Built:	1961	
	Registry Status:	Not Determined	
C28 **NW** **1/8-1/4 mi** **832**	**Not Reported** **1177 S 299TH PL** **Federal Way, WA**		**WAI201600207880** **WA HPI**
	Historic ID:	306081	
	Tax Parcel ID:	5151600460	
	Year Built:	1961	
	Registry Status:	Not Determined	
F29 **NW** **1/8-1/4 mi** **838**	**Not Reported** **1169 S 299TH PL** **Federal Way, WA**		**WAI201600128745** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	392607	
	Tax Parcel ID:	5151600455	
	Year Built:	1963	
	Registry Status:	Not Determined	
D30 **SE** **1/8-1/4 mi** **878**	**Not Reported** **29868 18TH AVE S** **Federal Way, WA**		**WAI201600417900** **WA HPI**
	Historic ID:	395644	
	Tax Parcel ID:	0421049135	
	Year Built:	1960	
	Registry Status:	Not Determined	
G31 **ESE** **1/8-1/4 mi** **884**	**Not Reported** **29815 20TH AVE S** **Federal Way, WA**		**WAI201600063000** **WA HPI**
	Historic ID:	308194	
	Tax Parcel ID:	3674400187	
	Year Built:	1966	
	Registry Status:	Not Determined	
F32 **WNW** **1/8-1/4 mi** **887**	**Not Reported** **1161 S 299TH PL** **Federal Way, WA**		**WAI201600210901** **WA HPI**
	Historic ID:	315136	
	Tax Parcel ID:	5151600450	
	Year Built:	1961	
	Registry Status:	Not Determined	
E33 **NE** **1/8-1/4 mi** **892**	**Not Reported** **29446 18TH AVE S** **Federal Way, WA**		**WAI201600494362** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	308610	
	Tax Parcel ID:	3040200141	
	Year Built:	1961	
	Registry Status:	Not Determined	
D34 **SE** **1/8-1/4 mi** **891**	**Not Reported** **29848 18TH AVE S** **Federal Way, WA**		**WAI201600354579** **WA HPI**
	Historic ID:	326853	
	Tax Parcel ID:	3674400168	
	Year Built:	1969	
	Registry Status:	Not Determined	
H35 **NNE** **1/8-1/4 mi** **900**	**29431 18th Ave S** **29431 18th Ave S** **Federal Way, WA 98003**		**WAI201600028571** **WA HPI**
	Historic ID:	673433	
	Tax Parcel ID:	3040200095	
	Year Built:	1952	
	Registry Status:	Determined Not Eligible	
H36 **NNE** **1/8-1/4 mi** **904**	**Not Reported** **FEDERAL WAY** **Federal Way, WA**		**WAI201600129179** **WA HPI**
	Historic ID:	393506	
	Tax Parcel ID:	3040200095	
	Year Built:	1952	
	Registry Status:	Not Determined	
I37 **SSW** **1/8-1/4 mi** **923**	**30011 16th Ave S** **30011 16th Ave S** **Federal Way, WA 98003**		**WAI201600028546** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 673405 Tax Parcel ID: 0521049064 Year Built: 1953 Registry Status: Determined Not Eligible	
I38 **SSW** **1/8-1/4 mi** **926**	**Not Reported** **30011 16TH AVE S** **Federal Way, WA**	**WAI201600025884** **WA HPI**
	Historic ID: 391389 Tax Parcel ID: 0521049064 Year Built: 1953 Registry Status: Not Determined	
F39 **WNW** **1/8-1/4 mi** **930**	**Not Reported** **1153 S 299TH PL** **Federal Way, WA**	**WAI201600212703** **WA HPI**
	Historic ID: 320232 Tax Parcel ID: 5151600445 Year Built: 1967 Registry Status: Not Determined	
E40 **NE** **1/8-1/4 mi** **934**	**Not Reported** **29440 18TH AVE S** **Federal Way, WA**	**WAI201600394341** **WA HPI**
	Historic ID: 345104 Tax Parcel ID: 6720500010 Year Built: 1962 Registry Status: Not Determined	
E41 **ENE** **1/8-1/4 mi** **934**	**Not Reported** **1825 S 296TH ST** **Federal Way, WA**	**WAI201600495387** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 310693 Tax Parcel ID: 3674400105 Year Built: 1954 Registry Status: Not Determined	
E42 **ENE** **1/8-1/4 mi** **941**	**Not Reported** **29621 20TH AVE S** **Federal Way, WA**	**WAI201600496019** **WA HPI**
	Historic ID: 313415 Tax Parcel ID: 3674400220 Year Built: 1969 Registry Status: Not Determined	
G43 **ESE** **1/8-1/4 mi** **951**	**Not Reported** **1966 S 299TH PL** **Federal Way, WA**	**WAI201600212961** **WA HPI**
	Historic ID: 320680 Tax Parcel ID: 3674400180 Year Built: 1956 Registry Status: Not Determined	
G44 **East** **1/8-1/4 mi** **968**	**Not Reported** **29803 20TH AVE S** **Federal Way, WA**	**WAI201600213940** **WA HPI**
	Historic ID: 324210 Tax Parcel ID: 3674400195 Year Built: 1966 Registry Status: Not Determined	
F45 **WNW** **1/8-1/4 mi** **976**	**Not Reported** **1147 S 299TH PL** **Federal Way, WA**	**WAI201600131032** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	397127	
	Tax Parcel ID:	5151600440	
	Year Built:	1961	
	Registry Status:	Not Determined	
H46 **NE** **1/8-1/4 mi** **983**	**Not Reported** **29434 18TH AVE S** **Federal Way, WA**		**WAI201600128818** **WA HPI**
	Historic ID:	392773	
	Tax Parcel ID:	6720500020	
	Year Built:	1966	
	Registry Status:	Not Determined	
H47 **NNE** **1/8-1/4 mi** **987**	**Not Reported** **29411 18TH AVE S** **Federal Way, WA**		**WAI201600105957** **WA HPI**
	Historic ID:	344771	
	Tax Parcel ID:	3040200092	
	Year Built:	1968	
	Registry Status:	Not Determined	
E48 **NE** **1/8-1/4 mi** **989**	**Not Reported** **1816 S 296TH ST** **Federal Way, WA**		**WAI201600500516** **WA HPI**
	Historic ID:	325637	
	Tax Parcel ID:	3040200140	
	Year Built:	1959	
	Registry Status:	Not Determined	
J49 **East** **1/8-1/4 mi** **988**	**Not Reported** **1918 S 297TH PL** **Federal Way, WA**		**WAI201600394196** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	344864	
	Tax Parcel ID:	3674400207	
	Year Built:	1959	
	Registry Status:	Not Determined	
E50 **ENE** **1/8-1/4 mi** **1003**	**Not Reported** **1905 S 296TH ST** **Federal Way, WA**		**WAI201600415840** **WA HPI**
	Historic ID:	389990	
	Tax Parcel ID:	3674400225	
	Year Built:	1959	
	Registry Status:	Not Determined	
J51 **ENE** **1/8-1/4 mi** **1008**	**joanne milton-howard** **29633 20TH S** **Federal Way, WA**		**WAI201600213416** **WA HPI**
	Historic ID:	321604	
	Tax Parcel ID:	3674400215	
	Year Built:	1955	
	Registry Status:	Determined Not Eligible, Not Determined	
J52 **ENE** **1/8-1/4 mi** **1010**	**Not Reported** **29633 20th Ave S** **Federal Way, WA 98003**		**WAI201600460373** **WA HPI**
	Historic ID:	667879	
	Tax Parcel ID:	367440-0215	
	Year Built:	1955	
	Registry Status:	Determined Not Eligible	
G53 **ESE** **1/8-1/4 mi** **1020**	**Not Reported** **29817 20TH AVE S** **Federal Way, WA**		**WAI201600498252** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	319458	
	Tax Parcel ID:	3674400185	
	Year Built:	1950	
	Registry Status:	Not Determined	

F54
WNW
1/8-1/4 mi
1028

Not Reported
1137 S 299TH PL
Federal Way, WA

WAI201600128740
WA HPI

Historic ID:	392602
Tax Parcel ID:	5151600435
Year Built:	1959
Registry Status:	Not Determined

H55
NE
1/8-1/4 mi
1032

Not Reported
29428 18TH AVE S
Federal Way, WA

WAI201600026153
WA HPI

Historic ID:	391937
Tax Parcel ID:	6720500030
Year Built:	1962
Registry Status:	Not Determined

H56
NNE
1/8-1/4 mi
1041

Not Reported
29407 18TH AVE S
Federal Way, WA

WAI201600394274
WA HPI

Historic ID:	344942
Tax Parcel ID:	3040200091
Year Built:	1968
Registry Status:	Not Determined

E57
NE
1/8-1/4 mi
1050

Not Reported
1824 S 296TH ST
Federal Way, WA

WAI201600418049
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 395889
Tax Parcel ID: 3040200142
Year Built: 1959
Registry Status: Not Determined

G58
ESE
1/8-1/4 mi
1051

Not Reported
29809 20TH AVE S
Federal Way, WA

WAI201600128504
WA HPI

Historic ID: 392180
Tax Parcel ID: 3674400192
Year Built: 1952
Registry Status: Not Determined

K59
NNW
1/8-1/4 mi
1076

Not Reported
29425 REDONDO WAY S
Federal Way, WA

WAI201600062119
WA HPI

Historic ID: 303633
Tax Parcel ID: 0521049171
Year Built: 1939
Registry Status: Not Determined

H60
NE
1/8-1/4 mi
1078

Not Reported
29422 18TH AVE S
Federal Way, WA

WAI201600498912
WA HPI

Historic ID: 320789
Tax Parcel ID: 6720500040
Year Built: 1965
Registry Status: Not Determined

I61
SW
1/8-1/4 mi
1080

First Baptist Church
30029 16th Ave S
Federal Way, WA 98003

WAI201600028547
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 673407
Tax Parcel ID: 0521049058
Year Built: 1953
Registry Status: Determined Not Eligible

L62
WNW
1/8-1/4 mi
1084

Not Reported
1129 S 299TH PL
Federal Way, WA

WAI201600214976
WA HPI

Historic ID: 326281
Tax Parcel ID: 5151600430
Year Built: 1961
Registry Status: Not Determined

M63
NE
1/8-1/4 mi
1080

Not Reported
29433 19TH AVE S
Federal Way, WA

WAI201600128877
WA HPI

Historic ID: 392925
Tax Parcel ID: 6720500090
Year Built: 1962
Registry Status: Not Determined

J64
East
1/8-1/4 mi
1084

Not Reported
29663 20TH AVE S
Federal Way, WA

WAI201600062265
WA HPI

Historic ID: 303872
Tax Parcel ID: 3674400200
Year Built: 1959
Registry Status: Not Determined

J65
East
1/8-1/4 mi
1086

Not Reported
29653 20TH AVE S
Federal Way, WA

WAI201600212089
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 318964 Tax Parcel ID: 3674400206 Year Built: 1959 Registry Status: Not Determined	
K66 **NNW** **1/8-1/4 mi** **1088**	**29425 Redondo Way S** **29425 Redondo Way S** **Federal Way, WA 98003**	**WAI201600324781** **WA HPI**
	Historic ID: 673331 Tax Parcel ID: 0521049171 Year Built: 1939 Registry Status: Determined Not Eligible	
E67 **ENE** **1/8-1/4 mi** **1097**	**Not Reported** **1913 S 296TH ST** **Federal Way, WA**	**WAI201600493195** **WA HPI**
	Historic ID: 304683 Tax Parcel ID: 3674400230 Year Built: 1956 Registry Status: Not Determined	
J68 **East** **1/8-1/4 mi** **1097**	**Not Reported** **29643 20TH AVE S** **Federal Way, WA**	**WAI201600352725** **WA HPI**
	Historic ID: 312590 Tax Parcel ID: 3674400211 Year Built: 1958 Registry Status: Not Determined	
F69 **WNW** **1/8-1/4 mi** **1110**	**Not Reported** **1150 S 299TH PL** **Federal Way, WA**	**WAI201600495974** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 313370 Tax Parcel ID: 5151600465 Year Built: 1963 Registry Status: Not Determined	
I70 **SW** **1/8-1/4 mi** **1110**	**Not Reported** **30029 16TH AVE S** **Federal Way, WA**	**WAI201600307056** **WA HPI**
	Historic ID: 343513 Tax Parcel ID: 0521049058 Year Built: 1953 Registry Status: Not Determined	
M71 **NE** **1/8-1/4 mi** **1120**	**Not Reported** **29427 19TH AVE S** **Federal Way, WA**	**WAI201600063253** **WA HPI**
	Historic ID: 311755 Tax Parcel ID: 6720500080 Year Built: 1963 Registry Status: Not Determined	
H72 **NNE** **1/8-1/4 mi** **1122**	**29418 Pacific Hwy S** **29418 Pacific Hwy S** **Federal Way, WA 98003**	**WAI201600323712** **WA HPI**
	Historic ID: 674116 Tax Parcel ID: 0253050000 Year Built: 1965 Registry Status: Determined Not Eligible	
H73 **NNE** **1/8-1/4 mi** **1129**	**Not Reported** **29416 18TH AVE S** **Federal Way, WA**	**WAI201600207525** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	305352	
	Tax Parcel ID:	6720500050	
	Year Built:	1962	
	Registry Status:	Not Determined	
G74 **ESE** **1/8-1/4 mi** **1131**	**Not Reported** **29819 20TH AVE S** **Federal Way, WA**		**WAI201600351225** **WA HPI**
	Historic ID:	303597	
	Tax Parcel ID:	3674400186	
	Year Built:	1953	
	Registry Status:	Not Determined	
L75 **WNW** **1/8-1/4 mi** **1136**	**Not Reported** **1121 S 299TH PL** **Federal Way, WA**		**WAI201600212924** **WA HPI**
	Historic ID:	320640	
	Tax Parcel ID:	5151600425	
	Year Built:	1958	
	Registry Status:	Not Determined	
J76 **ENE** **1/8-1/4 mi** **1147**	**Not Reported** **29617 20TH AVE S** **Federal Way, WA**		**WAI201600495406** **WA HPI**
	Historic ID:	310712	
	Tax Parcel ID:	3674400221	
	Year Built:	1969	
	Registry Status:	Not Determined	
I77 **South** **1/8-1/4 mi** **1150**	**House, 1472 S 302nd St** **1472 S 302nd St** **Federal Way, WA 98003**		**WAI201600028545** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	673404	
	Tax Parcel ID:	0253000005	
	Year Built:	1954	
	Registry Status:	Determined Not Eligible	
I78 **South** **1/8-1/4 mi** **1151**	**Not Reported** **1472 S 302ND ST** **Federal Way, WA**		**WAI201600495052** **WA HPI**
	Historic ID:	309974	
	Tax Parcel ID:	0253000005	
	Year Built:	1954	
	Registry Status:	Not Determined	
N79 **SW** **1/8-1/4 mi** **1155**	**Not Reported** **30002 14TH AVE S** **Federal Way, WA**		**WAI201600215251** **WA HPI**
	Historic ID:	328256	
	Tax Parcel ID:	0253000065	
	Year Built:	1955	
	Registry Status:	Not Determined	
M80 **NE** **1/8-1/4 mi** **1164**	**Not Reported** **29409 19TH AVE S** **Federal Way, WA**		**WAI201600214904** **WA HPI**
	Historic ID:	326116	
	Tax Parcel ID:	6720500070	
	Year Built:	1968	
	Registry Status:	Not Determined	
I81 **SSW** **1/8-1/4 mi** **1167**	**1464 S 302nd St** **1464 S 302nd St** **Federal Way, WA 98003**		**WAI201600028544** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	673403	
	Tax Parcel ID:	0253000010	
	Year Built:	1954	
	Registry Status:	Determined Not Eligible	
I82 **SSW** **1/8-1/4 mi** **1168**	**Not Reported** **1464 S 302ND ST** **Federal Way, WA**		**WAI201600492987** **WA HPI**
	Historic ID:	304284	
	Tax Parcel ID:	0253000010	
	Year Built:	1954	
	Registry Status:	Not Determined	
G83 **ESE** **1/8-1/4 mi** **1171**	**Not Reported** **1982 S 299TH PL** **Federal Way, WA**		**WAI201600215419** **WA HPI**
	Historic ID:	328611	
	Tax Parcel ID:	3674300010	
	Year Built:	1969	
	Registry Status:	Not Determined	
J84 **ENE** **1/8-1/4 mi** **1174**	**Not Reported** **29613 20TH AVE S** **Federal Way, WA**		**WAI201600498494** **WA HPI**
	Historic ID:	319986	
	Tax Parcel ID:	3674400236	
	Year Built:	1955	
	Registry Status:	Not Determined	
O85 **NNE** **1/8-1/4 mi** **1186**	**Not Reported** **29404 PACIFIC HWY S** **Federal Way, WA**		**WAI201600305764** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 336472 Tax Parcel ID: 3040200081 Year Built: 1928 Registry Status: Not Determined	
O86 **North** **1/8-1/4 mi** **1191**	**29404 Pacific Hwy S** **29404 Pacific Hwy S** **Federal Way, WA 98003** Historic ID: 673471 Tax Parcel ID: 3040200081 Year Built: 1928 Registry Status: Determined Not Eligible	**WAI201600318365** **WA HPI**
I87 **SSW** **1/8-1/4 mi** **1193**	**Not Reported** **1456 S 302ND ST** **Federal Way, WA** Historic ID: 398723 Tax Parcel ID: 0253000015 Year Built: 1954 Registry Status: Not Determined	**WAI201600425409** **WA HPI**
L88 **West** **1/8-1/4 mi** **1194**	**Not Reported** **1113 S 299TH PL** **Federal Way, WA** Historic ID: 393053 Tax Parcel ID: 5151600420 Year Built: 1966 Registry Status: Not Determined	**WAI201600416639** **WA HPI**
G89 **ESE** **1/8-1/4 mi** **1207**	**Not Reported** **29903 20TH AVE S** **Federal Way, WA**	**WAI201600498016** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	319031	
	Tax Parcel ID:	3674300080	
	Year Built:	1969	
	Registry Status:	Not Determined	
L90 **WNW** **1/8-1/4 mi** **1209**	**Not Reported** **1134 S 299TH PL** **Federal Way, WA**		**WAI201600063733** **WA HPI**
	Historic ID:	312706	
	Tax Parcel ID:	5151600470	
	Year Built:	1963	
	Registry Status:	Not Determined	
N91 **SW** **1/8-1/4 mi** **1214**	**Not Reported** **30012 14TH AVE S** **Federal Way, WA**		**WAI201600499952** **WA HPI**
	Historic ID:	324500	
	Tax Parcel ID:	0253000060	
	Year Built:	1955	
	Registry Status:	Not Determined	
P92 **ENE** **1/8-1/4 mi** **1213**	**Not Reported** **1925 S 296TH ST** **Federal Way, WA**		**WAI201600064502** **WA HPI**
	Historic ID:	317244	
	Tax Parcel ID:	3674400235	
	Year Built:	1966	
	Registry Status:	Not Determined	
H93 **NNE** **1/8-1/4 mi** **1214**	**Not Reported** **29350 18TH AVE S** **Federal Way, WA**		**WAI201600426049** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	400028	
	Tax Parcel ID:	3040200125	
	Year Built:	1954	
	Registry Status:	Not Determined	
M94 **ENE** **1/8-1/4 mi** **1218**	**Not Reported** **1846 S 296TH ST** **Federal Way, WA**		**WAI201600211801** **WA HPI**
	Historic ID:	318395	
	Tax Parcel ID:	3040200180	
	Year Built:	1955	
	Registry Status:	Not Determined	
I95 **SSW** **1/8-1/4 mi** **1219**	**Not Reported** **1448 S 302ND ST** **Federal Way, WA**		**WAI201600500220** **WA HPI**
	Historic ID:	325055	
	Tax Parcel ID:	0253000020	
	Year Built:	1954	
	Registry Status:	Not Determined	
Q96 **ESE** **1/8-1/4 mi** **1240**	**Not Reported** **29909 20TH AVE S** **Federal Way, WA**		**WAI201600418263** **WA HPI**
	Historic ID:	396388	
	Tax Parcel ID:	3674300090	
	Year Built:	1969	
	Registry Status:	Not Determined	
O97 **NNE** **1/8-1/4 mi** **1242**	**Not Reported** **29337 18TH AVE S** **Federal Way, WA**		**WAI201600209322** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	310451	
	Tax Parcel ID:	3040200080	
	Year Built:	1963	
	Registry Status:	Not Determined	
I98 **SSW** **1/8-1/4 mi** **1251**	**Not Reported** **1440 S 302ND ST** **Federal Way, WA**		**WAI201600351550** **WA HPI**
	Historic ID:	307140	
	Tax Parcel ID:	0253000025	
	Year Built:	1954	
	Registry Status:	Not Determined	
L99 **West** **1/8-1/4 mi** **1261**	**Not Reported** **1103 S 299TH PL** **Federal Way, WA**		**WAI201600207030** **WA HPI**
	Historic ID:	304389	
	Tax Parcel ID:	5151600415	
	Year Built:	1956	
	Registry Status:	Not Determined	
L100 **WNW** **1/8-1/4 mi** **1273**	**Not Reported** **1128 S 299TH PL** **Federal Way, WA**		**WAI201600360755** **WA HPI**
	Historic ID:	327365	
	Tax Parcel ID:	5151600475	
	Year Built:	1960	
	Registry Status:	Not Determined	
N101 **SW** **1/8-1/4 mi** **1274**	**Not Reported** **30018 14TH AVE S** **Federal Way, WA**		**WAI201600416953** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 393652
Tax Parcel ID: 0253000055
Year Built: 1955
Registry Status: Not Determined

J102
East
1/8-1/4 mi
1277

Not Reported
29654 20TH AVE S
Federal Way, WA

WAI201600351782
WA HPI

Historic ID: 307562
Tax Parcel ID: 7683800140
Year Built: 1959
Registry Status: Not Determined

J103
East
1/8-1/4 mi
1282

Not Reported
29646 20TH AVE S
Federal Way, WA

WAI201600418894
WA HPI

Historic ID: 397589
Tax Parcel ID: 7683800145
Year Built: 1959
Registry Status: Not Determined

J104
East
1/8-1/4 mi
1284

Not Reported
29640 20TH AVE S
Federal Way, WA

WAI201600207929
WA HPI

Historic ID: 306130
Tax Parcel ID: 7683800144
Year Built: 1960
Registry Status: Not Determined

105
WSW
1/8-1/4 mi
1296

Not Reported
1101 S DASH POINT RD
Federal Way, WA

WAI201600393352
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	341659	
	Tax Parcel ID:	0521049024	
	Year Built:	1969	
	Registry Status:	Not Determined	
J106 **East** **1/8-1/4 mi** **1301**	**Not Reported** **29634 20TH AVE S** **Federal Way, WA**		**WAI201600131251** **WA HPI**
	Historic ID:	397625	
	Tax Parcel ID:	7683800146	
	Year Built:	1960	
	Registry Status:	Not Determined	
R107 **ESE** **1/8-1/4 mi** **1306**	**Not Reported** **29818 20TH AVE S** **Federal Way, WA**		**WAI201600493279** **WA HPI**
	Historic ID:	304864	
	Tax Parcel ID:	5507600010	
	Year Built:	1962	
	Registry Status:	Not Determined	
P108 **ENE** **1/8-1/4 mi** **1309**	**Not Reported** **29624 20TH AVE S** **Federal Way, WA**		**WAI201600417326** **WA HPI**
	Historic ID:	394405	
	Tax Parcel ID:	7683800142	
	Year Built:	1959	
	Registry Status:	Not Determined	
S109 **NNE** **1/8-1/4 mi** **1314**	**Not Reported** **29336 18TH AVE S** **Federal Way, WA**		**WAI201600131522** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 398175
Tax Parcel ID: 3040200122
Year Built: 1952
Registry Status: Not Determined

N110
SW
1/4-1/2 mi
1325

Not Reported
30001 14TH AVE S
Federal Way, WA

WAI201600351350
WA HPI

Historic ID: 303914
Tax Parcel ID: 0253000265
Year Built: 1955
Registry Status: Not Determined

P111
ENE
1/4-1/2 mi
1329

Not Reported
29616 20TH AVE S
Federal Way, WA

WAI201600212187
WA HPI

Historic ID: 319155
Tax Parcel ID: 7683800141
Year Built: 1959
Registry Status: Not Determined

Q112
ESE
1/4-1/2 mi
1328

Not Reported
29826 20TH AVE S
Federal Way, WA

WAI201600497015
WA HPI

Historic ID: 315461
Tax Parcel ID: 5507600020
Year Built: 1962
Registry Status: Not Determined

T113
SSW
1/4-1/2 mi
1332

Not Reported
1428 S 302ND ST
Federal Way, WA

WAI201600207879
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 306080 Tax Parcel ID: 0253000030 Year Built: 1954 Registry Status: Not Determined	
N114 **SW** **1/4-1/2 mi** **1334**	**Not Reported** **30026 14TH AVE S** **Federal Way, WA**	**WAI201600497414** **WA HPI**
	Historic ID: 317757 Tax Parcel ID: 0253000050 Year Built: 1955 Registry Status: Not Determined	
L115 **WNW** **1/4-1/2 mi** **1345**	**Not Reported** **1112 S 299TH PL** **Federal Way, WA**	**WAI201600499016** **WA HPI**
	Historic ID: 321083 Tax Parcel ID: 5151600485 Year Built: 1960 Registry Status: Not Determined	
U116 **South** **1/4-1/2 mi** **1346**	**House, 1471 S 302nd St** **1471 S 302nd St** **Federal Way, WA 98003**	**WAI201600028542** **WA HPI**
	Historic ID: 673401 Tax Parcel ID: 0253000070 Year Built: 1954 Registry Status: Determined Not Eligible	
U117 **South** **1/4-1/2 mi** **1347**	**Not Reported** **1471 S 302ND ST** **Federal Way, WA**	**WAI201600417364** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 394538 Tax Parcel ID: 0253000070 Year Built: 1954 Registry Status: Not Determined	
P118 **ENE** **1/4-1/2 mi** **1349**	**Not Reported** **29606 20TH AVE S** **Federal Way, WA**	**WAI201600128341** **WA HPI**
	Historic ID: 390327 Tax Parcel ID: 7683800147 Year Built: 1961 Registry Status: Not Determined	
Q119 **ESE** **1/4-1/2 mi** **1351**	**Not Reported** **29832 20TH AVE S** **Federal Way, WA**	**WAI201600210683** **WA HPI**
	Historic ID: 314638 Tax Parcel ID: 5507600030 Year Built: 1962 Registry Status: Not Determined	
U120 **SSW** **1/4-1/2 mi** **1361**	**1463 S 302nd St** **1463 S 302nd St** **Federal Way, WA 98003**	**WAI201600028543** **WA HPI**
	Historic ID: 673402 Tax Parcel ID: 0253000075 Year Built: 1954 Registry Status: Determined Not Eligible	
U121 **SSW** **1/4-1/2 mi** **1362**	**Not Reported** **1463 S 302ND ST** **Federal Way, WA**	**WAI201600138723** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	400319	
	Tax Parcel ID:	0253000075	
	Year Built:	1954	
	Registry Status:	Not Determined	
T122 **SSW** **1/4-1/2 mi** **1363**	**Not Reported** **1416 S 302ND ST** **Federal Way, WA**		**WAI201600215060** **WA HPI**
	Historic ID:	326368	
	Tax Parcel ID:	0253000035	
	Year Built:	1954	
	Registry Status:	Not Determined	
O123 **NNE** **1/4-1/2 mi** **1369**	**Not Reported** **29314 PACIFIC HWY S** **Federal Way, WA**		**WAI201600393039** **WA HPI**
	Historic ID:	340965	
	Tax Parcel ID:	3040200070	
	Year Built:	1961	
	Registry Status:	Not Determined	
N124 **SW** **1/4-1/2 mi** **1369**	**Not Reported** **30011 14TH AVE S** **Federal Way, WA**		**WAI201600497959** **WA HPI**
	Historic ID:	318879	
	Tax Parcel ID:	0253000270	
	Year Built:	1955	
	Registry Status:	Not Determined	
V125 **West** **1/4-1/2 mi** **1375**	**Not Reported** **1029 S 299TH PL** **Federal Way, WA**		**WAI201600213282** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	321377	
	Tax Parcel ID:	5151600035	
	Year Built:	1962	
	Registry Status:	Not Determined	
Q126 **ESE** **1/4-1/2 mi** **1376**	**Not Reported** **29902 20TH AVE S** **Federal Way, WA**		**WAI201600417441** **WA HPI**
	Historic ID:	394710	
	Tax Parcel ID:	5507600040	
	Year Built:	1962	
	Registry Status:	Not Determined	
R127 **East** **1/4-1/2 mi** **1382**	**Not Reported** **2016 S 298TH ST** **Federal Way, WA**		**WAI201600493521** **WA HPI**
	Historic ID:	305392	
	Tax Parcel ID:	9315100220	
	Year Built:	1967	
	Registry Status:	Not Determined	
U128 **SSW** **1/4-1/2 mi** **1382**	**Not Reported** **1455 S 302ND ST** **Federal Way, WA**		**WAI201600353774** **WA HPI**
	Historic ID:	322249	
	Tax Parcel ID:	0253000080	
	Year Built:	1954	
	Registry Status:	Not Determined	
N129 **SW** **1/4-1/2 mi** **1386**	**Not Reported** **30034 14TH AVE S** **Federal Way, WA**		**WAI201600416143** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	392082	
	Tax Parcel ID:	0253000045	
	Year Built:	1955	
	Registry Status:	Not Determined	
O130 **NNE** **1/4-1/2 mi** **1391**	**29314 Pacific Hwy S** **29314 Pacific Hwy S** **Federal Way, WA 98003**		**WAI201600028576** **WA HPI**
	Historic ID:	673438	
	Tax Parcel ID:	3040200070	
	Year Built:	1961	
	Registry Status:	Determined Not Eligible	
R131 **East** **1/4-1/2 mi** **1392**	**Not Reported** **2017 S 298TH ST** **Federal Way, WA**		**WAI201600499977** **WA HPI**
	Historic ID:	324525	
	Tax Parcel ID:	7983100010	
	Year Built:	1969	
	Registry Status:	Not Determined	
W132 **East** **1/4-1/2 mi** **1400**	**Not Reported** **29633 21ST AVE S** **Federal Way, WA**		**WAI201600212386** **WA HPI**
	Historic ID:	319541	
	Tax Parcel ID:	9315100070	
	Year Built:	1967	
	Registry Status:	Not Determined	
L133 **WNW** **1/4-1/2 mi** **1402**	**Not Reported** **1104 S 299TH PL** **Federal Way, WA**		**WAI201600353037** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	316209	
	Tax Parcel ID:	5151600490	
	Year Built:	1961	
	Registry Status:	Not Determined	
S134 **NE** **1/4-1/2 mi** **1406**	**Not Reported** **29250 18TH AVE S** **Federal Way, WA**		**WAI201600210378** **WA HPI**
	Historic ID:	314050	
	Tax Parcel ID:	3040200121	
	Year Built:	1961	
	Registry Status:	Not Determined	
Q135 **ESE** **1/4-1/2 mi** **1406**	**Not Reported** **29908 20TH AVE S** **Federal Way, WA**		**WAI201600064966** **WA HPI**
	Historic ID:	322717	
	Tax Parcel ID:	5507600050	
	Year Built:	1962	
	Registry Status:	Not Determined	
T136 **SSW** **1/4-1/2 mi** **1409**	**Not Reported** **1447 S 302ND ST** **Federal Way, WA**		**WAI201600351715** **WA HPI**
	Historic ID:	307495	
	Tax Parcel ID:	0253000085	
	Year Built:	1954	
	Registry Status:	Not Determined	
N137 **SW** **1/4-1/2 mi** **1421**	**Not Reported** **30017 14TH AVE S** **Federal Way, WA**		**WAI201600352980** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	316057	
	Tax Parcel ID:	0253000275	
	Year Built:	1955	
	Registry Status:	Not Determined	
W138 **East** **1/4-1/2 mi** **1428**	**Not Reported** **29629 21ST AVE S** **Federal Way, WA**		**WAI201600351469** **WA HPI**
	Historic ID:	304129	
	Tax Parcel ID:	9315100060	
	Year Built:	1967	
	Registry Status:	Not Determined	
W139 **East** **1/4-1/2 mi** **1431**	**Not Reported** **29637 21ST AVE S** **Federal Way, WA**		**WAI201600210821** **WA HPI**
	Historic ID:	314962	
	Tax Parcel ID:	9315100080	
	Year Built:	1967	
	Registry Status:	Not Determined	
N140 **WSW** **1/4-1/2 mi** **1435**	**Not Reported** **30002 13TH AVE S** **Federal Way, WA**		**WAI201600072166** **WA HPI**
	Historic ID:	328003	
	Tax Parcel ID:	0253000320	
	Year Built:	1955	
	Registry Status:	Not Determined	
T141 **SSW** **1/4-1/2 mi** **1434**	**Not Reported** **1439 S 302ND ST** **Federal Way, WA**		**WAI201600063593** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	312380	
	Tax Parcel ID:	0253000090	
	Year Built:	1954	
	Registry Status:	Not Determined	
S142 **NNE** **1/4-1/2 mi** **1435**	**Not Reported** **29324 18TH AVE S** **Federal Way, WA**		**WAI201600499297** **WA HPI**
	Historic ID:	321656	
	Tax Parcel ID:	3040200110	
	Year Built:	1923	
	Registry Status:	Not Determined	
Q143 **ESE** **1/4-1/2 mi** **1437**	**Not Reported** **29916 20TH AVE S** **Federal Way, WA**		**WAI201600360761** **WA HPI**
	Historic ID:	327371	
	Tax Parcel ID:	5507600060	
	Year Built:	1962	
	Registry Status:	Not Determined	
V144 **West** **1/4-1/2 mi** **1444**	**Not Reported** **1021 S 299TH PL** **Federal Way, WA**		**WAI201600129120** **WA HPI**
	Historic ID:	393354	
	Tax Parcel ID:	5151600030	
	Year Built:	1961	
	Registry Status:	Not Determined	
R145 **ESE** **1/4-1/2 mi** **1442**	**Not Reported** **2020 S 299TH ST** **Federal Way, WA**		**WAI201600131170** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	397451	
	Tax Parcel ID:	7983100090	
	Year Built:	1969	
	Registry Status:	Not Determined	
W146 **East** **1/4-1/2 mi** **1443**	**Not Reported** **2022 S 298TH ST** **Federal Way, WA**		**WAI201600496805** **WA HPI**
	Historic ID:	315061	
	Tax Parcel ID:	9315100210	
	Year Built:	1967	
	Registry Status:	Not Determined	
R147 **ESE** **1/4-1/2 mi** **1446**	**Not Reported** **2016 S 299TH ST** **Federal Way, WA**		**WAI201600495470** **WA HPI**
	Historic ID:	310776	
	Tax Parcel ID:	7983100100	
	Year Built:	1969	
	Registry Status:	Not Determined	
R148 **East** **1/4-1/2 mi** **1449**	**Not Reported** **2023 S 298TH ST** **Federal Way, WA**		**WAI201600210644** **WA HPI**
	Historic ID:	314598	
	Tax Parcel ID:	7983100020	
	Year Built:	1969	
	Registry Status:	Not Determined	
W149 **ENE** **1/4-1/2 mi** **1449**	**Not Reported** **29623 21ST AVE S** **Federal Way, WA**		**WAI201600064447** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	317095	
	Tax Parcel ID:	9315100050	
	Year Built:	1967	
	Registry Status:	Not Determined	
T150 **SW** **1/4-1/2 mi** **1452**	**Not Reported** **30042 14TH AVE S** **Federal Way, WA**		**WAI201600418336** **WA HPI**
	Historic ID:	396461	
	Tax Parcel ID:	0253000040	
	Year Built:	1955	
	Registry Status:	Not Determined	
X151 **WNW** **1/4-1/2 mi** **1457**	**Not Reported** **29640 11TH PL S** **Federal Way, WA**		**WAI201600501259** **WA HPI**
	Historic ID:	328662	
	Tax Parcel ID:	5151600495	
	Year Built:	1961	
	Registry Status:	Not Determined	
Q152 **ESE** **1/4-1/2 mi** **1460**	**Not Reported** **2001 S 300TH ST** **Federal Way, WA**		**WAI201600497458** **WA HPI**
	Historic ID:	317899	
	Tax Parcel ID:	7983000260	
	Year Built:	1968	
	Registry Status:	Not Determined	
W153 **ENE** **1/4-1/2 mi** **1467**	**Not Reported** **29617 21ST AVE S** **Federal Way, WA**		**WAI201600210547** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	314406	
	Tax Parcel ID:	9315100040	
	Year Built:	1967	
	Registry Status:	Not Determined	
P154 **ENE** **1/4-1/2 mi** **1466**	**Not Reported** **2019 S 296TH ST** **Federal Way, WA**		**WAI201600211555** **WA HPI**
	Historic ID:	317961	
	Tax Parcel ID:	9315100010	
	Year Built:	1967	
	Registry Status:	Not Determined	
Q155 **ESE** **1/4-1/2 mi** **1465**	**Not Reported** **2015 S 299TH ST** **Federal Way, WA**		**WAI201600493764** **WA HPI**
	Historic ID:	305827	
	Tax Parcel ID:	7983100110	
	Year Built:	1969	
	Registry Status:	Not Determined	
T156 **SSW** **1/4-1/2 mi** **1468**	**Not Reported** **1431 S 302ND ST** **Federal Way, WA**		**WAI201600213245** **WA HPI**
	Historic ID:	321247	
	Tax Parcel ID:	0253000095	
	Year Built:	1954	
	Registry Status:	Not Determined	
N157 **SW** **1/4-1/2 mi** **1474**	**Not Reported** **30025 14TH AVE S** **Federal Way, WA**		**WAI201600360855** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 327560 Tax Parcel ID: 0253000280 Year Built: 1955 Registry Status: Not Determined	
U158 **South** **1/4-1/2 mi** **1473**	**1472 S 303rd St** **1472 S 303rd St** **Federal Way, WA 98003** Historic ID: 673400 Tax Parcel ID: 0253000195 Year Built: 1954 Registry Status: Determined Not Eligible	**WAI201600028541** **WA HPI**
U159 **South** **1/4-1/2 mi** **1476**	**Not Reported** **1472 S 303RD ST** **Federal Way, WA** Historic ID: 309858 Tax Parcel ID: 0253000195 Year Built: 1954 Registry Status: Not Determined	**WAI201600209016** **WA HPI**
Y160 **SW** **1/4-1/2 mi** **1478**	**Not Reported** **30012 13TH AVE S** **Federal Way, WA** Historic ID: 305504 Tax Parcel ID: 0253000315 Year Built: 1955 Registry Status: Not Determined	**WAI201600207584** **WA HPI**
P161 **ENE** **1/4-1/2 mi** **1482**	**Not Reported** **29611 21ST AVE S** **Federal Way, WA**	**WAI201600351828** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	307706	
	Tax Parcel ID:	9315100030	
	Year Built:	1967	
	Registry Status:	Not Determined	
U162 **SSW** **1/4-1/2 mi** **1487**	**1464 S 303rd St** **1464 S 303rd St** **Federal Way, WA 98003**		**WAI201600028540** **WA HPI**
	Historic ID:	673399	
	Tax Parcel ID:	0253000190	
	Year Built:	1954	
	Registry Status:	Determined Not Eligible	
U163 **SSW** **1/4-1/2 mi** **1488**	**Not Reported** **1464 S 303RD ST** **Federal Way, WA**		**WAI201600062496** **WA HPI**
	Historic ID:	307220	
	Tax Parcel ID:	0253000190	
	Year Built:	1954	
	Registry Status:	Not Determined	
T164 **SSW** **1/4-1/2 mi** **1499**	**Not Reported** **1423 S 302ND ST** **Federal Way, WA**		**WAI201600500486** **WA HPI**
	Historic ID:	325512	
	Tax Parcel ID:	0253000100	
	Year Built:	1954	
	Registry Status:	Not Determined	
Q165 **ESE** **1/4-1/2 mi** **1500**	**Not Reported** **2019 S 299TH ST** **Federal Way, WA**		**WAI201600496284** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	313965	
	Tax Parcel ID:	7983100120	
	Year Built:	1969	
	Registry Status:	Not Determined	
U166 **SSW** **1/4-1/2 mi** **1509**	**Not Reported** **1456 S 303RD ST** **Federal Way, WA**		**WAI201600209842** **WA HPI**
	Historic ID:	311442	
	Tax Parcel ID:	0253000185	
	Year Built:	1954	
	Registry Status:	Not Determined	
V167 **West** **1/4-1/2 mi** **1511**	**Not Reported** **1011 S 299TH PL** **Federal Way, WA**		**WAI201600215330** **WA HPI**
	Historic ID:	328428	
	Tax Parcel ID:	5151600025	
	Year Built:	1959	
	Registry Status:	Not Determined	
V168 **West** **1/4-1/2 mi** **1512**	**Not Reported** **1020 S 299TH PL** **Federal Way, WA**		**WAI201600129954** **WA HPI**
	Historic ID:	395025	
	Tax Parcel ID:	5151600347	
	Year Built:	1961	
	Registry Status:	Not Determined	
W169 **East** **1/4-1/2 mi** **1511**	**Not Reported** **2030 S 298TH ST** **Federal Way, WA**		**WAI201600131686** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	398432	
	Tax Parcel ID:	9315100200	
	Year Built:	1967	
	Registry Status:	Not Determined	
R170 **East** **1/4-1/2 mi** **1510**	**Not Reported** **2031 S 298TH ST** **Federal Way, WA**		**WAI201600497854** **WA HPI**
	Historic ID:	318678	
	Tax Parcel ID:	7983100030	
	Year Built:	1969	
	Registry Status:	Not Determined	
W171 **East** **1/4-1/2 mi** **1515**	**Not Reported** **29641 21ST AVE S** **Federal Way, WA**		**WAI201600315940** **WA HPI**
	Historic ID:	391821	
	Tax Parcel ID:	9315100090	
	Year Built:	1967	
	Registry Status:	Not Determined	
R172 **East** **1/4-1/2 mi** **1521**	**Not Reported** **2026 S 299TH ST** **Federal Way, WA**		**WAI201600353806** **WA HPI**
	Historic ID:	322281	
	Tax Parcel ID:	7983100080	
	Year Built:	1969	
	Registry Status:	Not Determined	
Q173 **ESE** **1/4-1/2 mi** **1521**	**Not Reported** **2016 S 300TH ST** **Federal Way, WA**		**WAI201600494844** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	309572	
	Tax Parcel ID:	7983100200	
	Year Built:	1969	
	Registry Status:	Not Determined	
X174 **WNW** **1/4-1/2 mi** **1524**	**Not Reported** **29630 11TH PL S** **Federal Way, WA**		**WAI201600130799** **WA HPI**
	Historic ID:	396708	
	Tax Parcel ID:	5151600500	
	Year Built:	1958	
	Registry Status:	Not Determined	
Y175 **SW** **1/4-1/2 mi** **1523**	**Not Reported** **30033 14TH AVE S** **Federal Way, WA**		**WAI201600212272** **WA HPI**
	Historic ID:	319333	
	Tax Parcel ID:	0253000285	
	Year Built:	1955	
	Registry Status:	Not Determined	
Q176 **ESE** **1/4-1/2 mi** **1526**	**Not Reported** **2009 S 300TH ST** **Federal Way, WA**		**WAI201600425614** **WA HPI**
	Historic ID:	399213	
	Tax Parcel ID:	7983000250	
	Year Built:	1969	
	Registry Status:	Not Determined	
Y177 **SW** **1/4-1/2 mi** **1527**	**Not Reported** **30018 13TH AVE S** **Federal Way, WA**		**WAI201600498788** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	320566	
	Tax Parcel ID:	0253000310	
	Year Built:	1955	
	Registry Status:	Not Determined	
U178 **SSW** **1/4-1/2 mi** **1529**	**Not Reported** **1448 S 303RD ST** **Federal Way, WA**		**WAI201600130030** **WA HPI**
	Historic ID:	395194	
	Tax Parcel ID:	0253000180	
	Year Built:	1954	
	Registry Status:	Not Determined	
Z179 **ENE** **1/4-1/2 mi** **1533**	**Not Reported** **2025 S 296TH ST** **Federal Way, WA**		**WAI201600063596** **WA HPI**
	Historic ID:	312383	
	Tax Parcel ID:	9315100020	
	Year Built:	1967	
	Registry Status:	Not Determined	
T180 **SSW** **1/4-1/2 mi** **1542**	**Not Reported** **1415 S 302ND ST** **Federal Way, WA**		**WAI201600498426** **WA HPI**
	Historic ID:	319823	
	Tax Parcel ID:	0253000105	
	Year Built:	1954	
	Registry Status:	Not Determined	
AA181 **SSW** **1/4-1/2 mi** **1553**	**Not Reported** **1440 S 303RD ST** **Federal Way, WA**		**WAI201600416557** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 392876
Tax Parcel ID: 0253000175
Year Built: 1954
Registry Status: Not Determined

AB182
SE
1/4-1/2 mi
1554

Not Reported
2004 S 301ST ST
Federal Way, WA

WAI201600496193
WA HPI

Historic ID: 313779
Tax Parcel ID: 7983000140
Year Built: 1968
Registry Status: Not Determined

AB183
SE
1/4-1/2 mi
1562

Not Reported
2008 S 301ST ST
Federal Way, WA

WAI201600209126
WA HPI

Historic ID: 310065
Tax Parcel ID: 7983000150
Year Built: 1968
Registry Status: Not Determined

Y184
SW
1/4-1/2 mi
1572

Not Reported
30026 13TH AVE S
Federal Way, WA

WAI201600352140
WA HPI

Historic ID: 308305
Tax Parcel ID: 0253000305
Year Built: 1955
Registry Status: Not Determined

AC185
ESE
1/4-1/2 mi
1577

Not Reported
2022 S 300TH ST
Federal Way, WA

WAI201600138119
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	399157	
	Tax Parcel ID:	7983100190	
	Year Built:	1969	
	Registry Status:	Not Determined	
W186 **East** **1/4-1/2 mi** **1579**	**Not Reported** **2036 S 298TH ST** **Federal Way, WA**		**WAI201600212040** **WA HPI**
	Historic ID:	318915	
	Tax Parcel ID:	9315100190	
	Year Built:	1967	
	Registry Status:	Not Determined	
R187 **ESE** **1/4-1/2 mi** **1581**	**Not Reported** **2025 S 299TH ST** **Federal Way, WA**		**WAI201600138007** **WA HPI**
	Historic ID:	398952	
	Tax Parcel ID:	7983100130	
	Year Built:	1969	
	Registry Status:	Not Determined	
V188 **West** **1/4-1/2 mi** **1582**	**Not Reported** **1003 S 299TH PL** **Federal Way, WA**		**WAI201600419057** **WA HPI**
	Historic ID:	397942	
	Tax Parcel ID:	5151600020	
	Year Built:	1959	
	Registry Status:	Not Determined	
Y189 **SW** **1/4-1/2 mi** **1581**	**Not Reported** **30041 14TH AVE S** **Federal Way, WA**		**WAI201600498054** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

Historic ID: 319069
Tax Parcel ID: 0253000290
Year Built: 1955
Registry Status: Not Determined

T190
SSW
1/4-1/2 mi
1585

Not Reported
1432 S 303RD ST
Federal Way, WA

WAI201600501043
WA HPI

Historic ID: 328159
Tax Parcel ID: 0253000170
Year Built: 1954
Registry Status: Not Determined

Y191
WSW
1/4-1/2 mi
1586

Not Reported
30001 13TH AVE S
Federal Way, WA

WAI201600130617
WA HPI

Historic ID: 396340
Tax Parcel ID: 0253000325
Year Built: 1955
Registry Status: Not Determined

U192
South
1/4-1/2 mi
1593

1471 S 303rd St
1471 S 303rd St
Federal Way, WA 98003

WAI201600028538
WA HPI

Historic ID: 673397
Tax Parcel ID: 0253000200
Year Built: 1954
Registry Status: Determined Not Eligible

AB193
ESE
1/4-1/2 mi
1593

Not Reported
2017 S 300TH ST
Federal Way, WA

WAI201600213266
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	321361	
	Tax Parcel ID:	7983000240	
	Year Built:	1968	
	Registry Status:	Not Determined	
V194 **WNW** **1/4-1/2 mi** **1594**	**Not Reported** **29641 11TH PL S** **Federal Way, WA**		**WAI201600209790** **WA HPI**
	Historic ID:	311390	
	Tax Parcel ID:	5151600346	
	Year Built:	1959	
	Registry Status:	Not Determined	
AD195 **East** **1/4-1/2 mi** **1599**	**Not Reported** **2041 S 298TH ST** **Federal Way, WA**		**WAI201600131756** **WA HPI**
	Historic ID:	398595	
	Tax Parcel ID:	7983100040	
	Year Built:	1969	
	Registry Status:	Not Determined	
W196 **East** **1/4-1/2 mi** **1600**	**Not Reported** **29638 21ST AVE S** **Federal Way, WA**		**WAI201600500318** **WA HPI**
	Historic ID:	325248	
	Tax Parcel ID:	9315100100	
	Year Built:	1967	
	Registry Status:	Not Determined	
R197 **East** **1/4-1/2 mi** **1600**	**Not Reported** **29809 21ST AVE S** **Federal Way, WA**		**WAI201600063880** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	312947	
	Tax Parcel ID:	7983100050	
	Year Built:	1969	
	Registry Status:	Not Determined	
AB198 **SE** **1/4-1/2 mi** **1608**	**Not Reported** **2003 S 301ST ST** **Federal Way, WA**		**WAI201600025531** **WA HPI**
	Historic ID:	390664	
	Tax Parcel ID:	7983000130	
	Year Built:	1968	
	Registry Status:	Not Determined	
R199 **East** **1/4-1/2 mi** **1613**	**Not Reported** **29815 21ST AVE S** **Federal Way, WA**		**WAI201600499400** **WA HPI**
	Historic ID:	321854	
	Tax Parcel ID:	7983100060	
	Year Built:	1969	
	Registry Status:	Not Determined	
T200 **SSW** **1/4-1/2 mi** **1619**	**Not Reported** **1422 S 303RD ST** **Federal Way, WA**		**WAI201600417579** **WA HPI**
	Historic ID:	394943	
	Tax Parcel ID:	0253000165	
	Year Built:	1954	
	Registry Status:	Not Determined	
V201 **West** **1/4-1/2 mi** **1621**	**Not Reported** **29658 10TH PL S** **Federal Way, WA**		**WAI201600493639** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	305605	
	Tax Parcel ID:	5151600341	
	Year Built:	1959	
	Registry Status:	Not Determined	
R202 **ESE** **1/4-1/2 mi** **1623**	**Not Reported** **2038 S 299TH ST** **Federal Way, WA**		**WAI201600208700** **WA HPI**
	Historic ID:	309167	
	Tax Parcel ID:	7983100070	
	Year Built:	1969	
	Registry Status:	Not Determined	
Y203 **SW** **1/4-1/2 mi** **1624**	**Not Reported** **30034 13TH AVE S** **Federal Way, WA**		**WAI201600354305** **WA HPI**
	Historic ID:	323261	
	Tax Parcel ID:	0253000300	
	Year Built:	1955	
	Registry Status:	Not Determined	
W204 **East** **1/4-1/2 mi** **1626**	**Not Reported** **29630 21ST AVE S** **Federal Way, WA**		**WAI201600352155** **WA HPI**
	Historic ID:	308320	
	Tax Parcel ID:	9315100120	
	Year Built:	1967	
	Registry Status:	Not Determined	
U205 **South** **1/4-1/2 mi** **1629**	**House, 1463 S 303rd St** **1463 S 303rd St** **Federal Way, WA 98003**		**WAI201600028539** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	673398	
	Tax Parcel ID:	0253000205	
	Year Built:	1954	
	Registry Status:	Determined Not Eligible	
Y206 **WSW** **1/4-1/2 mi** **1630**	**Not Reported** **30007 13TH AVE S** **Federal Way, WA**		**WAI201600213549** **WA HPI**
	Historic ID:	321926	
	Tax Parcel ID:	0253000330	
	Year Built:	1955	
	Registry Status:	Not Determined	
AB207 **SE** **1/4-1/2 mi** **1631**	**Not Reported** **2016 S 301ST ST** **Federal Way, WA**		**WAI201600493126** **WA HPI**
	Historic ID:	304519	
	Tax Parcel ID:	7983000160	
	Year Built:	1968	
	Registry Status:	Not Determined	
AC208 **ESE** **1/4-1/2 mi** **1633**	**Not Reported** **2028 S 300TH ST** **Federal Way, WA**		**WAI201600207549** **WA HPI**
	Historic ID:	305376	
	Tax Parcel ID:	7983100180	
	Year Built:	1969	
	Registry Status:	Not Determined	
W209 **East** **1/4-1/2 mi** **1632**	**Not Reported** **29624 21ST AVE S** **Federal Way, WA**		**WAI201600354389** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 323440 Tax Parcel ID: 9315100130 Year Built: 1967 Registry Status: Not Determined	
AE210 **North** **1/4-1/2 mi** **1640**	**Not Reported** **29223 PACIFIC HWY S** **Federal Way, WA**	**WAI201600393047** **WA HPI**
	Historic ID: 340973 Tax Parcel ID: 0421049007 Year Built: 1963 Registry Status: Not Determined	
X211 **WNW** **1/4-1/2 mi** **1643**	**Not Reported** **29618 11TH PL S** **Federal Way, WA**	**WAI201600496401** **WA HPI**
	Historic ID: 314177 Tax Parcel ID: 5151600505 Year Built: 1959 Registry Status: Not Determined	
AF212 **NNE** **1/4-1/2 mi** **1642**	**Not Reported** **29220 18TH AVE S** **Federal Way, WA**	**WAI201600129213** **WA HPI**
	Historic ID: 393540 Tax Parcel ID: 3040200106 Year Built: 1968 Registry Status: Not Determined	
W213 **East** **1/4-1/2 mi** **1643**	**Not Reported** **29634 21ST AVE S** **Federal Way, WA**	**WAI201600213301** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	321396	
	Tax Parcel ID:	9315100110	
	Year Built:	1967	
	Registry Status:	Not Determined	
W214 **East** **1/4-1/2 mi** **1643**	**Not Reported** **2042 S 298TH ST** **Federal Way, WA**		**WAI201600215237** **WA HPI**
	Historic ID:	328242	
	Tax Parcel ID:	9315100180	
	Year Built:	1967	
	Registry Status:	Not Determined	
V215 **West** **1/4-1/2 mi** **1648**	**Not Reported** **921 S 299TH PL** **Federal Way, WA**		**WAI201600129356** **WA HPI**
	Historic ID:	393869	
	Tax Parcel ID:	5151600015	
	Year Built:	1963	
	Registry Status:	Not Determined	
AG216 **SW** **1/4-1/2 mi** **1648**	**Not Reported** **1329 S 302ND ST** **Federal Way, WA**		**WAI201600071963** **WA HPI**
	Historic ID:	327518	
	Tax Parcel ID:	0253000115	
	Year Built:	1955	
	Registry Status:	Not Determined	
W217 **ENE** **1/4-1/2 mi** **1648**	**Not Reported** **29618 21ST AVE S** **Federal Way, WA**		**WAI201600416994** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 393788 Tax Parcel ID: 9315100140 Year Built: 1967 Registry Status: Not Determined	
AE218 **North** **1/4-1/2 mi** **1649**	**Awards By Wilson** **29223 Pacific Hwy S** **Federal Way, WA 98003**	**WAI201600324779** **WA HPI**
	Historic ID: 673329 Tax Parcel ID: 0421049007 Year Built: 1963 Registry Status: Determined Not Eligible	
Z219 **ENE** **1/4-1/2 mi** **1648**	**Not Reported** **2103 S 296TH ST** **Federal Way, WA**	**WAI201600416932** **WA HPI**
	Historic ID: 393631 Tax Parcel ID: 9315100160 Year Built: 1967 Registry Status: Not Determined	
AC220 **ESE** **1/4-1/2 mi** **1653**	**Not Reported** **2037 S 299TH ST** **Federal Way, WA**	**WAI201600498764** **WA HPI**
	Historic ID: 320542 Tax Parcel ID: 7983100140 Year Built: 1969 Registry Status: Not Determined	
T221 **SSW** **1/4-1/2 mi** **1653**	**Not Reported** **1414 S 303RD ST** **Federal Way, WA**	**WAI201600419232** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	398307	
	Tax Parcel ID:	0253000160	
	Year Built:	1954	
	Registry Status:	Not Determined	
X222 **WNW** **1/4-1/2 mi** **1653**	**Not Reported** **29637 11TH PL S** **Federal Way, WA**		**WAI201600213963** **WA HPI**
	Historic ID:	324233	
	Tax Parcel ID:	5151600360	
	Year Built:	1959	
	Registry Status:	Not Determined	
W223 **ENE** **1/4-1/2 mi** **1658**	**Not Reported** **29612 21ST AVE S** **Federal Way, WA**		**WAI201600208640** **WA HPI**
	Historic ID:	309107	
	Tax Parcel ID:	9315100150	
	Year Built:	1967	
	Registry Status:	Not Determined	
U224 **South** **1/4-1/2 mi** **1663**	**Not Reported** **1471 S 303RD ST** **Federal Way, WA**		**WAI201600130955** **WA HPI**
	Historic ID:	397050	
	Tax Parcel ID:	0253000200	
	Year Built:	1954	
	Registry Status:	Not Determined	
AB225 **ESE** **1/4-1/2 mi** **1664**	**Not Reported** **2025 S 300TH ST** **Federal Way, WA**		**WAI201600209857** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 313061 Tax Parcel ID: 7983000230 Year Built: 1969 Registry Status: Not Determined	
AB226 **SE** **1/4-1/2 mi** **1664**	**Not Reported** **2007 S 301ST ST** **Federal Way, WA**	**WAI201600419286** **WA HPI**
	Historic ID: 398456 Tax Parcel ID: 7983000120 Year Built: 1968 Registry Status: Not Determined	
Y227 **SW** **1/4-1/2 mi** **1672**	**Not Reported** **30017 13TH AVE S** **Federal Way, WA**	**WAI201600492941** **WA HPI**
	Historic ID: 304143 Tax Parcel ID: 0253000335 Year Built: 1955 Registry Status: Not Determined	
Y228 **SW** **1/4-1/2 mi** **1676**	**Not Reported** **30042 13TH AVE S** **Federal Way, WA**	**WAI201600315798** **WA HPI**
	Historic ID: 391489 Tax Parcel ID: 0253000295 Year Built: 1955 Registry Status: Not Determined	
U229 **South** **1/4-1/2 mi** **1679**	**Not Reported** **1463 S 303RD ST** **Federal Way, WA**	**WAI201600352832** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	312793	
	Tax Parcel ID:	0253000205	
	Year Built:	1954	
	Registry Status:	Not Determined	
AC230 **ESE** **1/4-1/2 mi** **1680**	**Not Reported** **29909 21ST AVE S** **Federal Way, WA**		**WAI201600130364** **WA HPI**
	Historic ID:	395808	
	Tax Parcel ID:	7983100150	
	Year Built:	1969	
	Registry Status:	Not Determined	
AB231 **ESE** **1/4-1/2 mi** **1686**	**Not Reported** **2024 S 301ST ST** **Federal Way, WA**		**WAI201600208725** **WA HPI**
	Historic ID:	309285	
	Tax Parcel ID:	7983000170	
	Year Built:	1968	
	Registry Status:	Not Determined	
AA232 **SSW** **1/4-1/2 mi** **1690**	**Not Reported** **1455 S 303RD ST** **Federal Way, WA**		**WAI201600212290** **WA HPI**
	Historic ID:	319352	
	Tax Parcel ID:	0253000210	
	Year Built:	1954	
	Registry Status:	Not Determined	
AH233 **West** **1/4-1/2 mi** **1691**	**Not Reported** **29646 10TH PL S** **Federal Way, WA**		**WAI201600211851** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	318538	
	Tax Parcel ID:	5151600340	
	Year Built:	1959	
	Registry Status:	Not Determined	
AA234 **SSW** **1/4-1/2 mi** **1691**	**Not Reported** **1402 S 303RD ST** **Federal Way, WA**		**WAI201600212326** **WA HPI**
	Historic ID:	319481	
	Tax Parcel ID:	0253000155	
	Year Built:	1954	
	Registry Status:	Not Determined	
AC235 **ESE** **1/4-1/2 mi** **1695**	**Not Reported** **29915 21ST AVE S** **Federal Way, WA**		**WAI201600353982** **WA HPI**
	Historic ID:	322650	
	Tax Parcel ID:	7983100160	
	Year Built:	1969	
	Registry Status:	Not Determined	
X236 **WNW** **1/4-1/2 mi** **1700**	**Not Reported** **29604 11TH PL S** **Federal Way, WA**		**WAI201600501080** **WA HPI**
	Historic ID:	328291	
	Tax Parcel ID:	5151600510	
	Year Built:	1960	
	Registry Status:	Not Determined	
AG237 **SW** **1/4-1/2 mi** **1705**	**Not Reported** **1321 S 302ND ST** **Federal Way, WA**		**WAI201600128832** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	392787	
	Tax Parcel ID:	0253000120	
	Year Built:	1953	
	Registry Status:	Not Determined	

AF238
NNE
1/4-1/2 mi
1706

Not Reported
29225 18TH AVE S
Federal Way, WA

WAI201600106093
WA HPI

Historic ID:	345000
Tax Parcel ID:	0421049208
Year Built:	1967
Registry Status:	Not Determined

AA239
SSW
1/4-1/2 mi
1711

Not Reported
1447 S 303RD ST
Federal Way, WA

WAI201600417329
WA HPI

Historic ID:	394503
Tax Parcel ID:	0253000215
Year Built:	1954
Registry Status:	Not Determined

Y240
WSW
1/4-1/2 mi
1710

Not Reported
30008 11TH PL S
Federal Way, WA

WAI201600497685
WA HPI

Historic ID:	318318
Tax Parcel ID:	5153900060
Year Built:	1966
Registry Status:	Not Determined

X241
WNW
1/4-1/2 mi
1716

Not Reported
29629 11TH PL S
Federal Way, WA

WAI201600353634
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	317379	
	Tax Parcel ID:	5151600365	
	Year Built:	1960	
	Registry Status:	Not Determined	
Y242 **SW** **1/4-1/2 mi** **1717**	**Not Reported** **30025 13TH AVE S** **Federal Way, WA**		**WAI201600212377** **WA HPI**
	Historic ID:	319532	
	Tax Parcel ID:	0253000340	
	Year Built:	1955	
	Registry Status:	Not Determined	
Z243 **ENE** **1/4-1/2 mi** **1719**	**Not Reported** **2113 S 296TH ST** **Federal Way, WA**		**WAI201600129221** **WA HPI**
	Historic ID:	393548	
	Tax Parcel ID:	9315100170	
	Year Built:	1967	
	Registry Status:	Not Determined	
AI244 **West** **1/4-1/2 mi** **1721**	**Not Reported** **911 S 299TH PL** **Federal Way, WA**		**WAI201600494733** **WA HPI**
	Historic ID:	309363	
	Tax Parcel ID:	5151600010	
	Year Built:	1956	
	Registry Status:	Not Determined	
AC245 **ESE** **1/4-1/2 mi** **1722**	**Not Reported** **2038 S 300TH ST** **Federal Way, WA**		**WAI201600215394** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	328585	
	Tax Parcel ID:	7983100170	
	Year Built:	1969	
	Registry Status:	Not Determined	
AF246 **NNE** **1/4-1/2 mi** **1723**	**Not Reported** **1825 S 293RD ST** **Federal Way, WA**		**WAI201600138782** **WA HPI**
	Historic ID:	400471	
	Tax Parcel ID:	3040200107	
	Year Built:	1968	
	Registry Status:	Not Determined	
AB247 **SE** **1/4-1/2 mi** **1724**	**Not Reported** **2015 S 301ST ST** **Federal Way, WA**		**WAI201600494083** **WA HPI**
	Historic ID:	306530	
	Tax Parcel ID:	7983000110	
	Year Built:	1968	
	Registry Status:	Not Determined	
AB248 **ESE** **1/4-1/2 mi** **1727**	**Not Reported** **2033 S 300TH ST** **Federal Way, WA**		**WAI201600425580** **WA HPI**
	Historic ID:	399084	
	Tax Parcel ID:	7983000220	
	Year Built:	1969	
	Registry Status:	Not Determined	
AB249 **SE** **1/4-1/2 mi** **1732**	**Not Reported** **2004 S 301ST PL** **Federal Way, WA**		**WAI201600354285** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	323241	
	Tax Parcel ID:	7982900280	
	Year Built:	1968	
	Registry Status:	Not Determined	
AB250 **SE** **1/4-1/2 mi** **1732**	**Not Reported** **2010 S 301ST PL** **Federal Way, WA**		**WAI201600131583** **WA HPI**
	Historic ID:	398236	
	Tax Parcel ID:	7982900290	
	Year Built:	1968	
	Registry Status:	Not Determined	
AA251 **SSW** **1/4-1/2 mi** **1734**	**Not Reported** **1439 S 303RD ST** **Federal Way, WA**		**WAI201600425779** **WA HPI**
	Historic ID:	399473	
	Tax Parcel ID:	0253000220	
	Year Built:	1954	
	Registry Status:	Not Determined	
AG252 **SSW** **1/4-1/2 mi** **1736**	**Not Reported** **1332 S 303RD ST** **Federal Way, WA**		**WAI201600495246** **WA HPI**
	Historic ID:	310359	
	Tax Parcel ID:	0253000150	
	Year Built:	1954	
	Registry Status:	Not Determined	
Y253 **WSW** **1/4-1/2 mi** **1739**	**Not Reported** **30012 11TH PL S** **Federal Way, WA**		**WAI201600360891** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	327596	
	Tax Parcel ID:	5153900050	
	Year Built:	1966	
	Registry Status:	Not Determined	
AB254 **ESE** **1/4-1/2 mi** **1744**	**Not Reported** **2032 S 301ST ST** **Federal Way, WA**		**WAI201600065210** **WA HPI**
	Historic ID:	323150	
	Tax Parcel ID:	7983000180	
	Year Built:	1968	
	Registry Status:	Not Determined	
AD255 **East** **1/4-1/2 mi** **1746**	**Not Reported** **29641 21ST PL S** **Federal Way, WA**		**WAI201600212763** **WA HPI**
	Historic ID:	320292	
	Tax Parcel ID:	7511800020	
	Year Built:	1962	
	Registry Status:	Not Determined	
AF256 **NNE** **1/4-1/2 mi** **1753**	**Not Reported** **29222 18TH AVE S** **Federal Way, WA**		**WAI201600106006** **WA HPI**
	Historic ID:	344820	
	Tax Parcel ID:	0421049198	
	Year Built:	1965	
	Registry Status:	Not Determined	
AG257 **SW** **1/4-1/2 mi** **1757**	**Not Reported** **1311 S 302ND ST** **Federal Way, WA**		**WAI201600495897** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 313198 Tax Parcel ID: 0253000125 Year Built: 1955 Registry Status: Not Determined	
AH258 **WNW** **1/4-1/2 mi** **1760**	**1959 Parade of Home Model** **29636 10TH PL S** **Federal Way, WA**	**WAI201600213130** **WA HPI**
	Historic ID: 321035 Tax Parcel ID: 5151600405 Year Built: 1959 Registry Status: Not Determined	
AJ259 **East** **1/4-1/2 mi** **1760**	**Not Reported** **29633 21ST PL S** **Federal Way, WA**	**WAI201600415889** **WA HPI**
	Historic ID: 390039 Tax Parcel ID: 7511800030 Year Built: 1963 Registry Status: Not Determined	
AA260 **SSW** **1/4-1/2 mi** **1761**	**Not Reported** **1431 S 303RD ST** **Federal Way, WA**	**WAI201600209351** **WA HPI**
	Historic ID: 310480 Tax Parcel ID: 0253000225 Year Built: 1954 Registry Status: Not Determined	
Y261 **SW** **1/4-1/2 mi** **1764**	**Not Reported** **30033 13TH AVE S** **Federal Way, WA**	**WAI201600138251** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	399382	
	Tax Parcel ID:	0253000345	
	Year Built:	1955	
	Registry Status:	Not Determined	
AH262 **West** **1/4-1/2 mi** **1769**	**Not Reported** **29655 10TH PL S** **Federal Way, WA**		**WAI201600215340** **WA HPI**
	Historic ID:	328438	
	Tax Parcel ID:	5151600280	
	Year Built:	1960	
	Registry Status:	Not Determined	
AK263 **WSW** **1/4-1/2 mi** **1770**	**Not Reported** **30007 11TH PL S** **Federal Way, WA**		**WAI201600138589** **WA HPI**
	Historic ID:	400092	
	Tax Parcel ID:	5153900070	
	Year Built:	1966	
	Registry Status:	Not Determined	
AJ264 **East** **1/4-1/2 mi** **1769**	**Not Reported** **29625 21ST PL S** **Federal Way, WA**		**WAI201600062179** **WA HPI**
	Historic ID:	303693	
	Tax Parcel ID:	7511800040	
	Year Built:	1963	
	Registry Status:	Not Determined	
Z265 **ENE** **1/4-1/2 mi** **1777**	**Not Reported** **29621 21ST PL S** **Federal Way, WA**		**WAI201600209702** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	311207	
	Tax Parcel ID:	7511800050	
	Year Built:	1963	
	Registry Status:	Not Determined	
AD266 **East** **1/4-1/2 mi** **1779**	**Not Reported** **29806 21ST AVE S** **Federal Way, WA**		**WAI201600417791** **WA HPI**
	Historic ID:	395345	
	Tax Parcel ID:	6842700010	
	Year Built:	1962	
	Registry Status:	Not Determined	
AB267 **SE** **1/4-1/2 mi** **1781**	**Not Reported** **2023 S 301ST ST** **Federal Way, WA**		**WAI201600417604** **WA HPI**
	Historic ID:	394968	
	Tax Parcel ID:	7983000100	
	Year Built:	1968	
	Registry Status:	Not Determined	
AF268 **NNE** **1/4-1/2 mi** **1783**	**Not Reported** **29219 18TH AVE S** **Federal Way, WA**		**WAI201600394213** **WA HPI**
	Historic ID:	344881	
	Tax Parcel ID:	0421049207	
	Year Built:	1967	
	Registry Status:	Not Determined	
AG269 **SW** **1/4-1/2 mi** **1784**	**Not Reported** **1324 S 303RD ST** **Federal Way, WA**		**WAI201600493547** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	305418	
	Tax Parcel ID:	0253000145	
	Year Built:	1954	
	Registry Status:	Not Determined	
AL270 **SE** **1/4-1/2 mi** **1790**	**Not Reported** **2003 S 301ST PL** **Federal Way, WA**		**WAI201600493897** **WA HPI**
	Historic ID:	306150	
	Tax Parcel ID:	7982900270	
	Year Built:	1968	
	Registry Status:	Not Determined	
AA271 **SSW** **1/4-1/2 mi** **1791**	**Not Reported** **1423 S 303RD ST** **Federal Way, WA**		**WAI201600212321** **WA HPI**
	Historic ID:	319476	
	Tax Parcel ID:	0253000230	
	Year Built:	1954	
	Registry Status:	Not Determined	
AB272 **SE** **1/4-1/2 mi** **1790**	**Not Reported** **2016 S 301ST PL** **Federal Way, WA**		**WAI201600213343** **WA HPI**
	Historic ID:	321438	
	Tax Parcel ID:	7982900300	
	Year Built:	1968	
	Registry Status:	Not Determined	
AD273 **East** **1/4-1/2 mi** **1790**	**Not Reported** **29812 21ST AVE S** **Federal Way, WA**		**WAI201600352321** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	311705	
	Tax Parcel ID:	7983200080	
	Year Built:	1969	
	Registry Status:	Not Determined	
AI274 **West** **1/4-1/2 mi** **1795**	**Not Reported** **903 S 299TH PL** **Federal Way, WA**		**WAI201600360829** **WA HPI**
	Historic ID:	327534	
	Tax Parcel ID:	5151600005	
	Year Built:	1958	
	Registry Status:	Not Determined	
Z275 **ENE** **1/4-1/2 mi** **1794**	**Not Reported** **29613 21ST PL S** **Federal Way, WA**		**WAI201600064990** **WA HPI**
	Historic ID:	322741	
	Tax Parcel ID:	7511800060	
	Year Built:	1963	
	Registry Status:	Not Determined	
AM276 **WNW** **1/4-1/2 mi** **1797**	**Not Reported** **1108 S 296TH PL** **Federal Way, WA**		**WAI201600062702** **WA HPI**
	Historic ID:	307615	
	Tax Parcel ID:	5151600515	
	Year Built:	1960	
	Registry Status:	Not Determined	
AD277 **East** **1/4-1/2 mi** **1796**	**Not Reported** **29818 21ST AVE S** **Federal Way, WA**		**WAI201600213732** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	323721	
	Tax Parcel ID:	7983200070	
	Year Built:	1969	
	Registry Status:	Not Determined	
AB278 **ESE** **1/4-1/2 mi** **1799**	**Not Reported** **2040 S 301ST ST** **Federal Way, WA**		**WAI201600417412** **WA HPI**
	Historic ID:	394586	
	Tax Parcel ID:	7983000190	
	Year Built:	1968	
	Registry Status:	Not Determined	
AC279 **ESE** **1/4-1/2 mi** **1800**	**Not Reported** **2041 S 300TH ST** **Federal Way, WA**		**WAI201600215493** **WA HPI**
	Historic ID:	328779	
	Tax Parcel ID:	7983000210	
	Year Built:	1968	
	Registry Status:	Not Determined	
AG280 **SW** **1/4-1/2 mi** **1810**	**Not Reported** **1303 S 302ND ST** **Federal Way, WA**		**WAI201600315962** **WA HPI**
	Historic ID:	391843	
	Tax Parcel ID:	0253000130	
	Year Built:	1955	
	Registry Status:	Not Determined	
AM281 **WNW** **1/4-1/2 mi** **1811**	**Not Reported** **1031 S 296TH PL** **Federal Way, WA**		**WAI201600352533** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	312111	
	Tax Parcel ID:	5151600375	
	Year Built:	1957	
	Registry Status:	Not Determined	
AD282 **ESE** **1/4-1/2 mi** **1811**	**Not Reported** **29826 21ST AVE S** **Federal Way, WA**		**WAI201600127948** **WA HPI**
	Historic ID:	389562	
	Tax Parcel ID:	7983200060	
	Year Built:	1969	
	Registry Status:	Not Determined	
AN283 **SW** **1/4-1/2 mi** **1817**	**Not Reported** **30043 13TH AVE S** **Federal Way, WA**		**WAI201600497424** **WA HPI**
	Historic ID:	317767	
	Tax Parcel ID:	0253000350	
	Year Built:	1955	
	Registry Status:	Not Determined	
Z284 **ENE** **1/4-1/2 mi** **1821**	**Not Reported** **29605 21ST PL S** **Federal Way, WA**		**WAI201600065548** **WA HPI**
	Historic ID:	326893	
	Tax Parcel ID:	7511800070	
	Year Built:	1962	
	Registry Status:	Not Determined	
AA285 **SSW** **1/4-1/2 mi** **1820**	**Not Reported** **1415 S 303RD ST** **Federal Way, WA**		**WAI201600129116** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 393350 Tax Parcel ID: 0253000235 Year Built: 1954 Registry Status: Not Determined	
AD286 **ESE** **1/4-1/2 mi** **1821**	**Not Reported** **29904 21ST AVE S** **Federal Way, WA**	**WAI201600128330** **WA HPI**
	Historic ID: 390316 Tax Parcel ID: 7983200050 Year Built: 1969 Registry Status: Not Determined	
AF287 **NNE** **1/4-1/2 mi** **1825**	**Not Reported** **29216 18TH AVE S** **Federal Way, WA**	**WAI201600417409** **WA HPI**
	Historic ID: 394583 Tax Parcel ID: 0421049197 Year Built: 1965 Registry Status: Not Determined	
AH288 **West** **1/4-1/2 mi** **1839**	**Not Reported** **912 S 299TH PL** **Federal Way, WA**	**WAI201600128643** **WA HPI**
	Historic ID: 392412 Tax Parcel ID: 5151600275 Year Built: 1960 Registry Status: Not Determined	
AO289 **ESE** **1/4-1/2 mi** **1838**	**Not Reported** **29910 21ST AVE S** **Federal Way, WA**	**WAI201600128178** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	389978	
	Tax Parcel ID:	7983200040	
	Year Built:	1969	
	Registry Status:	Not Determined	
AB290 **SE** **1/4-1/2 mi** **1839**	**Not Reported** **2031 S 301ST ST** **Federal Way, WA**		**WAI201600064409** **WA HPI**
	Historic ID:	317057	
	Tax Parcel ID:	7983000090	
	Year Built:	1968	
	Registry Status:	Not Determined	
AM291 **WNW** **1/4-1/2 mi** **1847**	**Not Reported** **29516 11TH PL S** **Federal Way, WA**		**WAI201600351423** **WA HPI**
	Historic ID:	304083	
	Tax Parcel ID:	5151800005	
	Year Built:	1960	
	Registry Status:	Not Determined	
AL292 **SE** **1/4-1/2 mi** **1847**	**Not Reported** **2009 S 301ST PL** **Federal Way, WA**		**WAI201600418989** **WA HPI**
	Historic ID:	397779	
	Tax Parcel ID:	7982900260	
	Year Built:	1968	
	Registry Status:	Not Determined	
AP293 **NNE** **1/4-1/2 mi** **1849**	**Not Reported** **29211 18TH AVE S** **Federal Way, WA**		**WAI201600394225** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 344893 Tax Parcel ID: 0421049206 Year Built: 1967 Registry Status: Not Determined	
294 **ENE** **1/4-1/2 mi** **1850**	**Not Reported** **2020 S 296TH ST** **Federal Way, WA**	**WAI201600096020** **WA HPI**
	Historic ID: 333938 Tax Parcel ID: 4222910020 Year Built: 1969 Registry Status: Not Determined	
AB295 **SE** **1/4-1/2 mi** **1850**	**Not Reported** **2024 S 301ST PL** **Federal Way, WA**	**WAI201600065639** **WA HPI**
	Historic ID: 327077 Tax Parcel ID: 7982900310 Year Built: 1968 Registry Status: Not Determined	
AP296 **NNE** **1/4-1/2 mi** **1852**	**King County Housng Authority** **29211 18th Ave S** **Federal Way, WA 98003**	**WAI201600008933** **WA HPI**
	Historic ID: 680210 Tax Parcel ID: 042104-9206 Year Built: 1967 Registry Status: Determined Not Eligible	
AK297 **WSW** **1/4-1/2 mi** **1855**	**Not Reported** **30011 11TH PL S** **Federal Way, WA**	**WAI201600494553** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	308993	
	Tax Parcel ID:	5153900080	
	Year Built:	1966	
	Registry Status:	Not Determined	
AQ298 **SSW** **1/4-1/2 mi** **1856**	**Not Reported** **1401 S 303RD ST** **Federal Way, WA**		**WAI201600354635** **WA HPI**
	Historic ID:	327004	
	Tax Parcel ID:	0253000240	
	Year Built:	1954	
	Registry Status:	Not Determined	
AO299 **ESE** **1/4-1/2 mi** **1858**	**Not Reported** **29918 21ST AVE S** **Federal Way, WA**		**WAI201600418364** **WA HPI**
	Historic ID:	396584	
	Tax Parcel ID:	7983200030	
	Year Built:	1969	
	Registry Status:	Not Determined	
AR300 **NNW** **1/4-1/2 mi** **1859**	**Not Reported** **29102 REDONDO WAY S** **Federal Way, WA**		**WAI201600064579** **WA HPI**
	Historic ID:	317419	
	Tax Parcel ID:	0521049052	
	Year Built:	1938	
	Registry Status:	Not Determined	
AC301 **ESE** **1/4-1/2 mi** **1861**	**Not Reported** **29928 21ST AVE S** **Federal Way, WA**		**WAI201600214654** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	325581	
	Tax Parcel ID:	7983200020	
	Year Built:	1969	
	Registry Status:	Not Determined	
AH302 **West** **1/4-1/2 mi** **1869**	**Not Reported** **29645 10TH PL S** **Federal Way, WA**		**WAI201600353524** **WA HPI**
	Historic ID:	317173	
	Tax Parcel ID:	5151600285	
	Year Built:	1958	
	Registry Status:	Not Determined	
AC303 **ESE** **1/4-1/2 mi** **1869**	**Not Reported** **2048 S 301ST ST** **Federal Way, WA**		**WAI201600130746** **WA HPI**
	Historic ID:	396562	
	Tax Parcel ID:	7983000200	
	Year Built:	1968	
	Registry Status:	Not Determined	
AM304 **WNW** **1/4-1/2 mi** **1879**	**Not Reported** **1023 S 296TH PL** **Federal Way, WA**		**WAI201600209881** **WA HPI**
	Historic ID:	313085	
	Tax Parcel ID:	5151600380	
	Year Built:	1957	
	Registry Status:	Not Determined	
AH305 **WNW** **1/4-1/2 mi** **1883**	**Not Reported** **29620 10TH PL S** **Federal Way, WA**		**WAI201600214404** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	325144	
	Tax Parcel ID:	5151600395	
	Year Built:	1956	
	Registry Status:	Not Determined	

AF306
NNE
1/4-1/2 mi
1891

Not Reported
29210 18TH AVE S
Federal Way, WA

WAI201600500618
WA HPI

Historic ID:	325839	
Tax Parcel ID:	0421049196	
Year Built:	1965	
Registry Status:	Not Determined	

AG307
SSW
1/4-1/2 mi
1897

Not Reported
1331 S 303RD ST
Federal Way, WA

WAI201600351880
WA HPI

Historic ID:	307758	
Tax Parcel ID:	0253000245	
Year Built:	1954	
Registry Status:	Not Determined	

AS308
SE
1/4-1/2 mi
1898

Not Reported
2041 S 301ST ST
Federal Way, WA

WAI201600354265
WA HPI

Historic ID:	323221	
Tax Parcel ID:	7983000080	
Year Built:	1968	
Registry Status:	Not Determined	

AN309
SW
1/4-1/2 mi
1902

Not Reported
30118 11TH PL S
Federal Way, WA

WAI201600214704
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 325724 Tax Parcel ID: 5153900010 Year Built: 1967 Registry Status: Not Determined	
AK310 **WSW** **1/4-1/2 mi** **1904**	**Not Reported** **30015 11TH PL S** **Federal Way, WA**	**WAI201600352797** **WA HPI**
	Historic ID: 312662 Tax Parcel ID: 5153900090 Year Built: 1966 Registry Status: Not Determined	
AL311 **SE** **1/4-1/2 mi** **1902**	**Not Reported** **2015 S 301ST ST** **Federal Way, WA**	**WAI201600360818** **WA HPI**
	Historic ID: 327523 Tax Parcel ID: 7982900250 Year Built: 1968 Registry Status: Not Determined	
AT312 **WSW** **1/4-1/2 mi** **1905**	**Not Reported** **941 S DASH POINT RD** **Federal Way, WA**	**WAI201600103668** **WA HPI**
	Historic ID: 338737 Tax Parcel ID: 0521049092 Year Built: 1961 Registry Status: Not Determined	
AN313 **SW** **1/4-1/2 mi** **1907**	**samanth phanivong** **30118 11th Pl S** **Federal Way, WA 98003**	**WAI201600100906** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	672167	
	Tax Parcel ID:	Not Reported	
	Year Built:	1967	
	Registry Status:	Determined Not Eligible	
AN314 **SW** **1/4-1/2 mi** **1908**	**Not Reported** **30201 13TH AVE S** **Federal Way, WA**		**WAI201600208222** **WA HPI**
	Historic ID:	306708	
	Tax Parcel ID:	0253000355	
	Year Built:	1955	
	Registry Status:	Not Determined	
AL315 **SE** **1/4-1/2 mi** **1906**	**Not Reported** **2032 S 301ST PL** **Federal Way, WA**		**WAI201600214953** **WA HPI**
	Historic ID:	326165	
	Tax Parcel ID:	7982900320	
	Year Built:	1968	
	Registry Status:	Not Determined	
AG316 **SW** **1/4-1/2 mi** **1909**	**Not Reported** **1302 S 303RD ST** **Federal Way, WA**		**WAI201600499013** **WA HPI**
	Historic ID:	321080	
	Tax Parcel ID:	0253000135	
	Year Built:	1954	
	Registry Status:	Not Determined	
AI317 **West** **1/4-1/2 mi** **1912**	**Not Reported** **29726 9TH PL S** **Federal Way, WA**		**WAI201600418429** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	396649	
	Tax Parcel ID:	5151600270	
	Year Built:	1961	
	Registry Status:	Not Determined	
AM318 **NW** **1/4-1/2 mi** **1913**	**Not Reported** **29504 11TH PL S** **Federal Way, WA**		**WAI201600137880** **WA HPI**
	Historic ID:	398732	
	Tax Parcel ID:	5151800010	
	Year Built:	1960	
	Registry Status:	Not Determined	
AJ319 **East** **1/4-1/2 mi** **1911**	**Not Reported** **29650 21ST PL S** **Federal Way, WA**		**WAI201600351783** **WA HPI**
	Historic ID:	307563	
	Tax Parcel ID:	6603000010	
	Year Built:	1967	
	Registry Status:	Not Determined	
AO320 **ESE** **1/4-1/2 mi** **1918**	**Not Reported** **30004 21ST AVE S** **Federal Way, WA**		**WAI201600497596** **WA HPI**
	Historic ID:	318134	
	Tax Parcel ID:	7983000020	
	Year Built:	1968	
	Registry Status:	Not Determined	
AP321 **NNE** **1/4-1/2 mi** **1919**	**Not Reported** **29207 18TH AVE S** **Federal Way, WA**		**WAI201600394224** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 344892 Tax Parcel ID: 0421049205 Year Built: 1967 Registry Status: Not Determined	
AO322 **ESE** **1/4-1/2 mi** **1922**	**Not Reported** **2110 S 300TH ST** **Federal Way, WA**	**WAI201600064756** **WA HPI**
	Historic ID: 322317 Tax Parcel ID: 7983200010 Year Built: 1969 Registry Status: Not Determined	
AH323 **West** **1/4-1/2 mi** **1926**	**Not Reported** **29635 10TH PL S** **Federal Way, WA**	**WAI201600494746** **WA HPI**
	Historic ID: 309376 Tax Parcel ID: 5151600290 Year Built: 1956 Registry Status: Not Determined	
AU324 **WNW** **1/4-1/2 mi** **1933**	**Not Reported** **1015 S 296TH PL** **Federal Way, WA**	**WAI201600351185** **WA HPI**
	Historic ID: 303557 Tax Parcel ID: 5151600385 Year Built: 1957 Registry Status: Not Determined	
AV325 **South** **1/4-1/2 mi** **1934**	**Not Reported** **30390 Pacific Highway South** **Federal Way, WA 98003**	**WAI201600187694** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

Historic ID: 85098
Tax Parcel ID: 0421049106
Year Built: 1947
Registry Status: Determined Not Eligible

AD326
East
1/4-1/2 mi
1936

Not Reported
2205 S 298TH ST
Federal Way, WA

WAI201600353712
WA HPI

Historic ID: 322092
Tax Parcel ID: 7683800190
Year Built: 1960
Registry Status: Not Determined

AG327
SSW
1/4-1/2 mi
1943

Not Reported
1321 S 303RD ST
Federal Way, WA

WAI201600062412
WA HPI

Historic ID: 307041
Tax Parcel ID: 0253000250
Year Built: 1954
Registry Status: Not Determined

AJ328
East
1/4-1/2 mi
1942

Not Reported
29640 21ST PL S
Federal Way, WA

WAI201600501301
WA HPI

Historic ID: 328704
Tax Parcel ID: 6603000020
Year Built: 1967
Registry Status: Not Determined

AI329
West
1/4-1/2 mi
1947

Not Reported
29903 9TH PL S
Federal Way, WA

WAI201600211759
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	318353	
	Tax Parcel ID:	5151600075	
	Year Built:	1959	
	Registry Status:	Not Determined	
AJ330 **East** **1/4-1/2 mi** **1947**	**Not Reported** **29634 21ST PL S** **Federal Way, WA**		**WAI201600127983** **WA HPI**
	Historic ID:	389597	
	Tax Parcel ID:	6603000030	
	Year Built:	1967	
	Registry Status:	Not Determined	
AL331 **SE** **1/4-1/2 mi** **1949**	**Not Reported** **2023 S 301ST PL** **Federal Way, WA**		**WAI201600210572** **WA HPI**
	Historic ID:	314431	
	Tax Parcel ID:	7982900240	
	Year Built:	1968	
	Registry Status:	Not Determined	
AJ332 **East** **1/4-1/2 mi** **1953**	**Not Reported** **29628 21ST PL S** **Federal Way, WA**		**WAI201600352891** **WA HPI**
	Historic ID:	312852	
	Tax Parcel ID:	6603000040	
	Year Built:	1967	
	Registry Status:	Not Determined	
AK333 **WSW** **1/4-1/2 mi** **1956**	**Not Reported** **1027 S 301ST ST** **Federal Way, WA**		**WAI201600130203** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	395553	
	Tax Parcel ID:	5153900320	
	Year Built:	1967	
	Registry Status:	Not Determined	

AV334
South
1/4-1/2 mi
1958

30390 Pacific Hwy S
30390 Pacific Hwy S
Federal Way, WA 98003

WAI201600028633
WA HPI

Historic ID:	673598
Tax Parcel ID:	0421049106
Year Built:	1949
Registry Status:	Determined Not Eligible

AS335
SE
1/4-1/2 mi
1960

Not Reported
2038 S 301ST PL
Federal Way, WA

WAI201600210209
WA HPI

Historic ID:	313695
Tax Parcel ID:	7982900330
Year Built:	1968
Registry Status:	Not Determined

AK336
WSW
1/4-1/2 mi
1964

Not Reported
1014 S 301ST ST
Federal Way, WA

WAI201600497658
WA HPI

Historic ID:	318291
Tax Parcel ID:	5153900110
Year Built:	1966
Registry Status:	Not Determined

AP337
NNE
1/4-1/2 mi
1963

Not Reported
29204 18TH AVE S
Federal Way, WA

WAI201600418542
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	396952	
	Tax Parcel ID:	0421049195	
	Year Built:	1966	
	Registry Status:	Not Determined	
AS338 **ESE** **1/4-1/2 mi** **1962**	**Not Reported** **30105 21ST AVE S** **Federal Way, WA**		**WAI201600210610** **WA HPI**
	Historic ID:	314562	
	Tax Parcel ID:	7983000070	
	Year Built:	1968	
	Registry Status:	Not Determined	
AN339 **SW** **1/4-1/2 mi** **1964**	**Not Reported** **30207 13TH AVE S** **Federal Way, WA**		**WAI201600426314** **WA HPI**
	Historic ID:	400578	
	Tax Parcel ID:	0253000360	
	Year Built:	1955	
	Registry Status:	Not Determined	
AM340 **WNW** **1/4-1/2 mi** **1966**	**Not Reported** **1030 S 296TH PL** **Federal Way, WA**		**WAI201600496048** **WA HPI**
	Historic ID:	313539	
	Tax Parcel ID:	5151600560	
	Year Built:	1957	
	Registry Status:	Not Determined	
AJ341 **East** **1/4-1/2 mi** **1966**	**Not Reported** **29622 21ST PL S** **Federal Way, WA**		**WAI201600138291** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	399515	
	Tax Parcel ID:	6603000050	
	Year Built:	1967	
	Registry Status:	Not Determined	
AJ342 **East** **1/4-1/2 mi** **1973**	**Not Reported** **29618 21ST PL S** **Federal Way, WA**		**WAI201600354260** **WA HPI**
	Historic ID:	323216	
	Tax Parcel ID:	6603000060	
	Year Built:	1967	
	Registry Status:	Not Determined	
AH343 **West** **1/4-1/2 mi** **1977**	**Not Reported** **29644 9TH PL S** **Federal Way, WA**		**WAI201600209959** **WA HPI**
	Historic ID:	313259	
	Tax Parcel ID:	5151600335	
	Year Built:	1969	
	Registry Status:	Not Determined	
AM344 **NW** **1/4-1/2 mi** **1977**	**Not Reported** **29500 11TH PL S** **Federal Way, WA**		**WAI201600351821** **WA HPI**
	Historic ID:	307699	
	Tax Parcel ID:	5151800015	
	Year Built:	1961	
	Registry Status:	Not Determined	
AK345 **WSW** **1/4-1/2 mi** **1984**	**Not Reported** **1018 S 301ST ST** **Federal Way, WA**		**WAI201600351922** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	307895	
	Tax Parcel ID:	5153900100	
	Year Built:	1966	
	Registry Status:	Not Determined	
AH346 **West** **1/4-1/2 mi** **1984**	**Not Reported** **29625 10TH PL S** **Federal Way, WA**		**WAI201600354312** **WA HPI**
	Historic ID:	323363	
	Tax Parcel ID:	5151600295	
	Year Built:	1965	
	Registry Status:	Not Determined	
AN347 **SW** **1/4-1/2 mi** **1986**	**Not Reported** **30202 11TH PL S** **Federal Way, WA**		**WAI201600495512** **WA HPI**
	Historic ID:	310917	
	Tax Parcel ID:	5153900390	
	Year Built:	1967	
	Registry Status:	Not Determined	
AJ348 **East** **1/4-1/2 mi** **1986**	**Not Reported** **2212 S 298TH ST** **Federal Way, WA**		**WAI201600499753** **WA HPI**
	Historic ID:	324108	
	Tax Parcel ID:	7683800099	
	Year Built:	1960	
	Registry Status:	Not Determined	
AU349 **WNW** **1/4-1/2 mi** **1991**	**Not Reported** **1007 S 296TH PL** **Federal Way, WA**		**WAI201600496804** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	315060	
	Tax Parcel ID:	5151600390	
	Year Built:	1957	
	Registry Status:	Not Determined	
AQ350 **SW** **1/4-1/2 mi** **1992**	**Not Reported** **1311 S 303RD ST** **Federal Way, WA**		**WAI201600418577** **WA HPI**
	Historic ID:	396987	
	Tax Parcel ID:	0253000255	
	Year Built:	1954	
	Registry Status:	Not Determined	
AK351 **WSW** **1/4-1/2 mi** **1993**	**Not Reported** **30111 11TH PL S** **Federal Way, WA**		**WAI201600501302** **WA HPI**
	Historic ID:	328705	
	Tax Parcel ID:	5153900330	
	Year Built:	1967	
	Registry Status:	Not Determined	
AJ352 **ENE** **1/4-1/2 mi** **1991**	**Not Reported** **29612 21ST PL S** **Federal Way, WA**		**WAI201600206973** **WA HPI**
	Historic ID:	304238	
	Tax Parcel ID:	6603000070	
	Year Built:	1967	
	Registry Status:	Not Determined	
AP353 **NNE** **1/4-1/2 mi** **1996**	**Not Reported** **29047 18TH AVE S** **Federal Way, WA**		**WAI201600353870** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	322440	
	Tax Parcel ID:	5462800056	
	Year Built:	1956	
	Registry Status:	Not Determined	
AO354 **ESE** **1/4-1/2 mi** **1999**	**Not Reported** **2206 S 300TH ST** **Federal Way, WA**		**WAI201600207541** **WA HPI**
	Historic ID:	305368	
	Tax Parcel ID:	7683800192	
	Year Built:	1952	
	Registry Status:	Not Determined	
AL355 **SE** **1/4-1/2 mi** **2000**	**Not Reported** **2031 S 301ST PL** **Federal Way, WA**		**WAI201600352211** **WA HPI**
	Historic ID:	308471	
	Tax Parcel ID:	7982900230	
	Year Built:	1968	
	Registry Status:	Not Determined	
AS356 **ESE** **1/4-1/2 mi** **2000**	**Not Reported** **30014 21ST AVE S** **Federal Way, WA**		**WAI201600499853** **WA HPI**
	Historic ID:	324303	
	Tax Parcel ID:	7983000030	
	Year Built:	1969	
	Registry Status:	Not Determined	
AQ357 **SSW** **1/4-1/2 mi** **2006**	**Not Reported** **1404 S 304TH ST** **Federal Way, WA**		**WAI201600500854** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	326266	
	Tax Parcel ID:	0521049056	
	Year Built:	1954	
	Registry Status:	Not Determined	
AW358 **ENE** **1/4-1/2 mi** **2010**	**Not Reported** **29606 21ST PL S** **Federal Way, WA**		**WAI201600495646** **WA HPI**
	Historic ID:	311146	
	Tax Parcel ID:	6603000080	
	Year Built:	1967	
	Registry Status:	Not Determined	
AI359 **West** **1/4-1/2 mi** **2018**	**Djiba Diakite** **841 south 299th Pl** **Federal Way, WA 98003**		**WAI201600458280** **WA HPI**
	Historic ID:	666265	
	Tax Parcel ID:	Not Reported	
	Year Built:	1959	
	Registry Status:	Determined Not Eligible	
AQ360 **SSW** **1/4-1/2 mi** **2018**	**Not Reported** **30332 13TH AVE S** **Federal Way, WA**		**WAI201600106034** **WA HPI**
	Historic ID:	344848	
	Tax Parcel ID:	2501600050	
	Year Built:	1963	
	Registry Status:	Not Determined	
AQ361 **SSW** **1/4-1/2 mi** **2020**	**Not Reported** **30336 13TH AVE S** **Federal Way, WA**		**WAI201600394206** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	344874	
	Tax Parcel ID:	2501600040	
	Year Built:	1963	
	Registry Status:	Not Determined	
AI362 **West** **1/4-1/2 mi** **2021**	**Not Reported** **841 S 299TH PL** **Federal Way, WA**		**WAI201600354213** **WA HPI**
	Historic ID:	323169	
	Tax Parcel ID:	5151600070	
	Year Built:	1959	
	Registry Status:	Not Determined	
AN363 **SW** **1/4-1/2 mi** **2023**	**Not Reported** **30217 13TH AVE S** **Federal Way, WA**		**WAI201600026044** **WA HPI**
	Historic ID:	391735	
	Tax Parcel ID:	0253000365	
	Year Built:	1955	
	Registry Status:	Not Determined	
AS364 **SE** **1/4-1/2 mi** **2023**	**Not Reported** **30111 21ST AVE S** **Federal Way, WA**		**WAI201600353065** **WA HPI**
	Historic ID:	316237	
	Tax Parcel ID:	7982900340	
	Year Built:	1968	
	Registry Status:	Not Determined	
AK365 **WSW** **1/4-1/2 mi** **2028**	**Not Reported** **1010 S 301ST ST** **Federal Way, WA**		**WAI201600213346** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	321441	
	Tax Parcel ID:	5153900120	
	Year Built:	1966	
	Registry Status:	Not Determined	
AN366 **SW** **1/4-1/2 mi** **2029**	**Not Reported** **30117 11TH PL S** **Federal Way, WA**		**WAI201600352720** **WA HPI**
	Historic ID:	312490	
	Tax Parcel ID:	5153900340	
	Year Built:	1967	
	Registry Status:	Not Determined	
AX367 **West** **1/4-1/2 mi** **2034**	**Not Reported** **29636 9TH PL S** **Federal Way, WA**		**WAI201600211773** **WA HPI**
	Historic ID:	318367	
	Tax Parcel ID:	5151600330	
	Year Built:	1963	
	Registry Status:	Not Determined	
AI368 **West** **1/4-1/2 mi** **2034**	**Not Reported** **898 S 299TH PL** **Federal Way, WA**		**WAI201600497018** **WA HPI**
	Historic ID:	315464	
	Tax Parcel ID:	5151600170	
	Year Built:	1956	
	Registry Status:	Not Determined	
AP369 **NNE** **1/4-1/2 mi** **2035**	**Not Reported** **29050 18TH AVE S** **Federal Way, WA**		**WAI201600211804** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	318398	
	Tax Parcel ID:	5462800050	
	Year Built:	1956	
	Registry Status:	Not Determined	
AK370 **WSW** **1/4-1/2 mi** **2036**	**Not Reported** **1021 S 301ST ST** **Federal Way, WA**		**WAI201600416683** **WA HPI**
	Historic ID:	393192	
	Tax Parcel ID:	5153900310	
	Year Built:	1967	
	Registry Status:	Not Determined	
AN371 **SW** **1/4-1/2 mi** **2042**	**Not Reported** **30206 11TH PL S** **Federal Way, WA**		**WAI201600208853** **WA HPI**
	Historic ID:	309509	
	Tax Parcel ID:	5153900380	
	Year Built:	1967	
	Registry Status:	Not Determined	
AS372 **ESE** **1/4-1/2 mi** **2043**	**Not Reported** **30100 21ST AVE S** **Federal Way, WA**		**WAI201600352769** **WA HPI**
	Historic ID:	312634	
	Tax Parcel ID:	7983000040	
	Year Built:	1968	
	Registry Status:	Not Determined	
AY373 **NW** **1/4-1/2 mi** **2045**	**Not Reported** **29322 11TH PL S** **Federal Way, WA**		**WAI201600209409** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	310631	
	Tax Parcel ID:	5152300110	
	Year Built:	1961	
	Registry Status:	Not Determined	
AR374 **NNW** **1/4-1/2 mi** **2049**	**Not Reported** **29050 REDONDO WAY S** **Federal Way, WA**		**WAI201600130157** **WA HPI**
	Historic ID:	395414	
	Tax Parcel ID:	0521049138	
	Year Built:	1963	
	Registry Status:	Not Determined	
AZ375 **SW** **1/4-1/2 mi** **2051**	**Not Reported** **1303 S 303RD ST** **Federal Way, WA**		**WAI201600352517** **WA HPI**
	Historic ID:	312095	
	Tax Parcel ID:	0253000260	
	Year Built:	1954	
	Registry Status:	Not Determined	
AL376 **SE** **1/4-1/2 mi** **2054**	**Not Reported** **2037 S 301ST PL** **Federal Way, WA**		**WAI201600062049** **WA HPI**
	Historic ID:	303470	
	Tax Parcel ID:	7982900220	
	Year Built:	1968	
	Registry Status:	Not Determined	
AU377 **WNW** **1/4-1/2 mi** **2055**	**Not Reported** **1020 S 296TH PL** **Federal Way, WA**		**WAI201600062237** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	303844	
	Tax Parcel ID:	5151600550	
	Year Built:	1956	
	Registry Status:	Not Determined	
BA378 **East** **1/4-1/2 mi** **2064**	**Not Reported** **2220 S 298TH ST** **Federal Way, WA**		**WAI201600416095** **WA HPI**
	Historic ID:	390435	
	Tax Parcel ID:	7683800098	
	Year Built:	1960	
	Registry Status:	Not Determined	
AJ379 **East** **1/4-1/2 mi** **2064**	**Not Reported** **29649 22ND AVE S** **Federal Way, WA**		**WAI201600131766** **WA HPI**
	Historic ID:	398605	
	Tax Parcel ID:	8798000010	
	Year Built:	1961	
	Registry Status:	Not Determined	
AP380 **NNE** **1/4-1/2 mi** **2068**	**Not Reported** **29225 20TH WAY S** **Federal Way, WA**		**WAI201600351299** **WA HPI**
	Historic ID:	303766	
	Tax Parcel ID:	4223000130	
	Year Built:	1966	
	Registry Status:	Not Determined	
381 **NE** **1/4-1/2 mi** **2068**	**Not Reported** **2020 S 296TH ST** **Federal Way, WA**		**WAI201600096021** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	333939	
	Tax Parcel ID:	4222910030	
	Year Built:	1969	
	Registry Status:	Not Determined	
AO382 **ESE** **1/4-1/2 mi** **2070**	**Not Reported** **2210 S 300TH ST** **Federal Way, WA**		**WAI201600063337** **WA HPI**
	Historic ID:	311936	
	Tax Parcel ID:	7683800191	
	Year Built:	1962	
	Registry Status:	Not Determined	
AN383 **SW** **1/4-1/2 mi** **2074**	**Not Reported** **30123 11TH PL S** **Federal Way, WA**		**WAI201600419301** **WA HPI**
	Historic ID:	398471	
	Tax Parcel ID:	5153900350	
	Year Built:	1967	
	Registry Status:	Not Determined	
AS384 **ESE** **1/4-1/2 mi** **2075**	**Not Reported** **30104 21ST AVE S** **Federal Way, WA**		**WAI201600062744** **WA HPI**
	Historic ID:	307657	
	Tax Parcel ID:	7983000050	
	Year Built:	1968	
	Registry Status:	Not Determined	
AQ385 **SSW** **1/4-1/2 mi** **2078**	**Not Reported** **30328 13TH AVE S** **Federal Way, WA**		**WAI201600415034** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	388329	
	Tax Parcel ID:	2501600060	
	Year Built:	1962	
	Registry Status:	Not Determined	
AZ386 **SW** **1/4-1/2 mi** **2084**	**Not Reported** **30225 13TH AVE S** **Federal Way, WA**		**WAI201600415845** **WA HPI**
	Historic ID:	389995	
	Tax Parcel ID:	0253000370	
	Year Built:	1955	
	Registry Status:	Not Determined	
AP387 **NNE** **1/4-1/2 mi** **2087**	**Not Reported** **29041 18TH AVE S** **Federal Way, WA**		**WAI201600498048** **WA HPI**
	Historic ID:	319063	
	Tax Parcel ID:	5462800060	
	Year Built:	1956	
	Registry Status:	Not Determined	
AX388 **West** **1/4-1/2 mi** **2090**	**Not Reported** **29628 9TH PL S** **Federal Way, WA**		**WAI201600138599** **WA HPI**
	Historic ID:	400102	
	Tax Parcel ID:	5151600325	
	Year Built:	1957	
	Registry Status:	Not Determined	
AJ389 **East** **1/4-1/2 mi** **2088**	**Not Reported** **29643 22ND AVE S** **Federal Way, WA**		**WAI201600497435** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 317873 Tax Parcel ID: 8798000020 Year Built: 1961 Registry Status: Not Determined	
AT390 **West** **1/4-1/2 mi** **2093**	**Not Reported** **831 S 299TH PL** **Federal Way, WA**	**WAI201600351913** **WA HPI**
	Historic ID: 307886 Tax Parcel ID: 5151600065 Year Built: 1957 Registry Status: Not Determined	
AV391 **South** **1/4-1/2 mi** **2091**	**Al Holz Transmissions, Brakes, and Radiators** **30402 Pacific Hwy S** **Federal Way, WA 98003**	**WAI201600318375** **WA HPI**
	Historic ID: 673481 Tax Parcel ID: 0921049106 Year Built: 1930 Registry Status: Determined Not Eligible	
BB392 **ESE** **1/4-1/2 mi** **2095**	**Not Reported** **2209 S 300TH ST** **Federal Way, WA**	**WAI201600496718** **WA HPI**
	Historic ID: 314878 Tax Parcel ID: 0421049133 Year Built: 1959 Registry Status: Not Determined	
BC393 **WSW** **1/4-1/2 mi** **2097**	**Not Reported** **1012 S 302ND ST** **Federal Way, WA**	**WAI201600496616** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	314681	
	Tax Parcel ID:	5153900260	
	Year Built:	1967	
	Registry Status:	Not Determined	
BA394 **East** **1/4-1/2 mi** **2099**	**Not Reported** **2223 S 298TH ST** **Federal Way, WA**		**WAI201600063113** **WA HPI**
	Historic ID:	308400	
	Tax Parcel ID:	7683800200	
	Year Built:	1947	
	Registry Status:	Not Determined	
AW395 **East** **1/4-1/2 mi** **2100**	**Not Reported** **29635 22ND AVE S** **Federal Way, WA**		**WAI201600425429** **WA HPI**
	Historic ID:	398838	
	Tax Parcel ID:	8798000030	
	Year Built:	1961	
	Registry Status:	Not Determined	
BC396 **WSW** **1/4-1/2 mi** **2104**	**Not Reported** **1013 S 301ST ST** **Federal Way, WA**		**WAI201600497986** **WA HPI**
	Historic ID:	319001	
	Tax Parcel ID:	5153900300	
	Year Built:	1967	
	Registry Status:	Not Determined	
AN397 **SW** **1/4-1/2 mi** **2106**	**Not Reported** **30205 11TH PL S** **Federal Way, WA**		**WAI201600498608** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 320195
Tax Parcel ID: 5153900370
Year Built: 1967
Registry Status: Not Determined

AU398
WNW
1/4-1/2 mi
2105

Not Reported
927 S 296TH PL
Federal Way, WA

WAI201600417971
WA HPI

Historic ID: 395715
Tax Parcel ID: 5151600305
Year Built: 1958
Registry Status: Not Determined

AT399
WSW
1/4-1/2 mi
2110

Not Reported
1006 S 301ST ST
Federal Way, WA

WAI201600210411
WA HPI

Historic ID: 314083
Tax Parcel ID: 5153900130
Year Built: 1967
Registry Status: Not Determined

AW400
East
1/4-1/2 mi
2111

Not Reported
29633 22ND AVE S
Federal Way, WA

WAI201600493517
WA HPI

Historic ID: 305293
Tax Parcel ID: 8798000040
Year Built: 1961
Registry Status: Not Determined

AS401
ESE
1/4-1/2 mi
2111

Not Reported
30108 21ST AVE S
Federal Way, WA

WAI201600212417
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	319665	
	Tax Parcel ID:	7983000060	
	Year Built:	1968	
	Registry Status:	Not Determined	
AQ402 **SSW** **1/4-1/2 mi** **2118**	**Not Reported** **30324 13TH AVE S** **Federal Way, WA**		**WAI201600105980** **WA HPI**
	Historic ID:	344794	
	Tax Parcel ID:	2501600070	
	Year Built:	1963	
	Registry Status:	Not Determined	
AY403 **NW** **1/4-1/2 mi** **2118**	**Not Reported** **29314 11TH PL S** **Federal Way, WA**		**WAI201600499397** **WA HPI**
	Historic ID:	321851	
	Tax Parcel ID:	5152300100	
	Year Built:	1961	
	Registry Status:	Not Determined	
AM404 **WNW** **1/4-1/2 mi** **2118**	**Not Reported** **1033 S 295TH PL** **Federal Way, WA**		**WAI201600130638** **WA HPI**
	Historic ID:	396361	
	Tax Parcel ID:	5151800025	
	Year Built:	1962	
	Registry Status:	Not Determined	
AU405 **WNW** **1/4-1/2 mi** **2120**	**Not Reported** **1012 S 296TH PL** **Federal Way, WA**		**WAI201600493089** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 304482
Tax Parcel ID: 5151600545
Year Built: 1963
Registry Status: Not Determined

AP406
NNE
1/4-1/2 mi
2120

Not Reported
29042 18TH AVE S
Federal Way, WA

WAI201600063613
WA HPI

Historic ID: 312400
Tax Parcel ID: 5462800045
Year Built: 1957
Registry Status: Not Determined

AN407
SW
1/4-1/2 mi
2120

Not Reported
30201 11TH PL S
Federal Way, WA

WAI201600138385
WA HPI

Historic ID: 399702
Tax Parcel ID: 5153900360
Year Built: 1967
Registry Status: Not Determined

AS408
SE
1/4-1/2 mi
2122

Not Reported
2045 S 301ST PL
Federal Way, WA

WAI201600209663
WA HPI

Historic ID: 311168
Tax Parcel ID: 7982900210
Year Built: 1968
Registry Status: Not Determined

AV409
South
1/4-1/2 mi
2121

Garage and Gas Station, Al Holtz Transmission
30402 Pacific Hwy S
Federal Way, WA 98003

WAI201600187687
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 85091
Tax Parcel ID: 0921049106
Year Built: 1930
Registry Status: Determined Not Eligible

BC410
WSW
1/4-1/2 mi
2125

Not Reported
1018 S 302ND ST
Federal Way, WA

WAI201600128478
WA HPI

Historic ID: 392154
Tax Parcel ID: 5153900250
Year Built: 1967
Registry Status: Not Determined

AX411
West
1/4-1/2 mi
2125

Not Reported
838 S 299TH PL
Federal Way, WA

WAI201600129604
WA HPI

Historic ID: 394303
Tax Parcel ID: 5151600175
Year Built: 1956
Registry Status: Not Determined

AX412
West
1/4-1/2 mi
2126

Not Reported
29709 9TH PL S
Federal Way, WA

WAI201600496014
WA HPI

Historic ID: 313410
Tax Parcel ID: 5151600165
Year Built: 1957
Registry Status: Not Determined

AW413
ENE
1/4-1/2 mi
2128

Not Reported
29611 22ND AVE S
Federal Way, WA

WAI201600062325
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 304028 Tax Parcel ID: 8798000050 Year Built: 1961 Registry Status: Not Determined	
BD414 **SE** **1/4-1/2 mi** **2129**	**Not Reported** **30203 21ST AVE S** **Federal Way, WA**	**WAI201600417880** **WA HPI**
	Historic ID: 395529 Tax Parcel ID: 7982900200 Year Built: 1968 Registry Status: Not Determined	
BE415 **SE** **1/4-1/2 mi** **2131**	**Not Reported** **30232 20TH AVE S** **Federal Way, WA**	**WAI201600211424** **WA HPI**
	Historic ID: 317641 Tax Parcel ID: 0421049203 Year Built: 1967 Registry Status: Not Determined	
AZ416 **SW** **1/4-1/2 mi** **2134**	**Not Reported** **30316 13TH AVE S** **Federal Way, WA**	**WAI201600394248** **WA HPI**
	Historic ID: 344916 Tax Parcel ID: 2501600090 Year Built: 1966 Registry Status: Not Determined	
AZ417 **SW** **1/4-1/2 mi** **2138**	**Not Reported** **30307 13TH AVE S** **Federal Way, WA**	**WAI201600501287** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 328690 Tax Parcel ID: 0253000375 Year Built: 1963 Registry Status: Not Determined	
AV418 **South** **1/4-1/2 mi** **2139**	**1651 S 304th St** **1651 S 304th St** **Federal Way, WA 98003** Historic ID: 673597 Tax Parcel ID: 0921049136 Year Built: 1929 Registry Status: Determined Not Eligible	**WAI201600028632** **WA HPI**
BF419 **NNE** **1/4-1/2 mi** **2142**	**Not Reported** **29043 19TH AVE S** **Federal Way, WA** Historic ID: 395662 Tax Parcel ID: 4223000120 Year Built: 1966 Registry Status: Not Determined	**WAI201600417918** **WA HPI**
AQ420 **SSW** **1/4-1/2 mi** **2145**	**Not Reported** **30344 13TH AVE S** **Federal Way, WA** Historic ID: 344880 Tax Parcel ID: 2501600020 Year Built: 1968 Registry Status: Not Determined	**WAI201600394212** **WA HPI**
AW421 **ENE** **1/4-1/2 mi** **2144**	**Not Reported** **29603 22ND AVE S** **Federal Way, WA**	**WAI201600138403** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	399720	
	Tax Parcel ID:	8798000060	
	Year Built:	1961	
	Registry Status:	Not Determined	
AX422 **West** **1/4-1/2 mi** **2150**	**Not Reported** **29616 9TH PL S** **Federal Way, WA**		**WAI201600064401** **WA HPI**
	Historic ID:	317049	
	Tax Parcel ID:	5151600320	
	Year Built:	1958	
	Registry Status:	Not Determined	
AS423 **SE** **1/4-1/2 mi** **2149**	**Not Reported** **30112 21ST AVE S** **Federal Way, WA**		**WAI201600493878** **WA HPI**
	Historic ID:	306036	
	Tax Parcel ID:	7982900010	
	Year Built:	1968	
	Registry Status:	Not Determined	
BC424 **WSW** **1/4-1/2 mi** **2152**	**Not Reported** **1002 S 301ST ST** **Federal Way, WA**		**WAI201600500685** **WA HPI**
	Historic ID:	326001	
	Tax Parcel ID:	5153900140	
	Year Built:	1967	
	Registry Status:	Not Determined	
BD425 **SE** **1/4-1/2 mi** **2158**	**Not Reported** **30209 21ST AVE S** **Federal Way, WA**		**WAI201600209812** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 311412 Tax Parcel ID: 7982900190 Year Built: 1969 Registry Status: Not Determined	
AT426 **West** **1/4-1/2 mi** **2163**	**Not Reported** **821 S 299TH PL** **Federal Way, WA**	**WAI201600353382** **WA HPI**
	Historic ID: 316934 Tax Parcel ID: 5151600060 Year Built: 1957 Registry Status: Not Determined	
BC427 **WSW** **1/4-1/2 mi** **2173**	**Not Reported** **1005 S 301ST ST** **Federal Way, WA**	**WAI201600131644** **WA HPI**
	Historic ID: 398390 Tax Parcel ID: 5153900290 Year Built: 1967 Registry Status: Not Determined	
AU428 **WNW** **1/4-1/2 mi** **2173**	**Digel, George F., House** **1004 S 296TH PL** **Federal Way, WA**	**WAI201600209817** **WA HPI**
	Historic ID: 311417 Tax Parcel ID: 5151600540 Year Built: 1956 Registry Status: Not Determined	
AP429 **NNE** **1/4-1/2 mi** **2173**	**Not Reported** **29033 18TH AVE S** **Federal Way, WA**	**WAI201600499284** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	321545	
	Tax Parcel ID:	5462800066	
	Year Built:	1956	
	Registry Status:	Not Determined	
BC430 **SW** **1/4-1/2 mi** **2173**	**Not Reported** **1019 S 302ND ST** **Federal Way, WA**		**WAI201600064481** **WA HPI**
	Historic ID:	317223	
	Tax Parcel ID:	5153900240	
	Year Built:	1966	
	Registry Status:	Not Determined	
AY431 **NW** **1/4-1/2 mi** **2184**	**Not Reported** **1040 S 295TH PL** **Federal Way, WA**		**WAI201600493638** **WA HPI**
	Historic ID:	305604	
	Tax Parcel ID:	5151800070	
	Year Built:	1961	
	Registry Status:	Not Determined	
BG432 **WNW** **1/4-1/2 mi** **2184**	**Not Reported** **1023 S 295TH PL** **Federal Way, WA**		**WAI201600498807** **WA HPI**
	Historic ID:	320585	
	Tax Parcel ID:	5151800030	
	Year Built:	1961	
	Registry Status:	Not Determined	
AZ433 **SW** **1/4-1/2 mi** **2188**	**Not Reported** **30320 13TH AVE S** **Federal Way, WA**		**WAI201600394211** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	344879	
	Tax Parcel ID:	2501600080	
	Year Built:	1966	
	Registry Status:	Not Determined	
AS434 **SE** **1/4-1/2 mi** **2190**	**Not Reported** **30116 21ST AVE S** **Federal Way, WA**		**WAI201600494890** **WA HPI**
	Historic ID:	309618	
	Tax Parcel ID:	7982900020	
	Year Built:	1968	
	Registry Status:	Not Determined	
BC435 **WSW** **1/4-1/2 mi** **2191**	**Not Reported** **30114 10TH AVE S** **Federal Way, WA**		**WAI201600212906** **WA HPI**
	Historic ID:	320622	
	Tax Parcel ID:	5153900280	
	Year Built:	1967	
	Registry Status:	Not Determined	
436 **SSW** **1/4-1/2 mi** **2197**	**Not Reported** **30348 13TH AVE S** **Federal Way, WA**		**WAI201600106067** **WA HPI**
	Historic ID:	344974	
	Tax Parcel ID:	2501600010	
	Year Built:	1962	
	Registry Status:	Not Determined	
BE437 **SE** **1/4-1/2 mi** **2198**	**Not Reported** **30240 20TH AVE S** **Federal Way, WA**		**WAI201600416163** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	392102	
	Tax Parcel ID:	0421049152	
	Year Built:	1962	
	Registry Status:	Not Determined	
AV438 **South** **1/4-1/2 mi** **2200**	**Not Reported** **1651 S 304TH ST** **Federal Way, WA**		**WAI201600127941** **WA HPI**
	Historic ID:	389555	
	Tax Parcel ID:	0921049136	
	Year Built:	1929	
	Registry Status:	Not Determined	
BD439 **SE** **1/4-1/2 mi** **2203**	**Not Reported** **30213 21ST AVE S** **Federal Way, WA**		**WAI201600063270** **WA HPI**
	Historic ID:	311772	
	Tax Parcel ID:	7982900180	
	Year Built:	1969	
	Registry Status:	Not Determined	
BF440 **NNE** **1/4-1/2 mi** **2210**	**Not Reported** **29032 18TH AVE S** **Federal Way, WA**		**WAI201600500820** **WA HPI**
	Historic ID:	326232	
	Tax Parcel ID:	5462800040	
	Year Built:	1956	
	Registry Status:	Not Determined	
BF441 **NNE** **1/4-1/2 mi** **2213**	**Not Reported** **29035 19TH AVE S** **Federal Way, WA**		**WAI201600064305** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	316858	
	Tax Parcel ID:	4223000110	
	Year Built:	1966	
	Registry Status:	Not Determined	
AX442 **West** **1/4-1/2 mi** **2214**	**Not Reported** **845 S 297TH PL** **Federal Way, WA**		**WAI201600130450** **WA HPI**
	Historic ID:	395987	
	Tax Parcel ID:	5151600155	
	Year Built:	1965	
	Registry Status:	Not Determined	
BH443 **West** **1/4-1/2 mi** **2215**	**Not Reported** **828 S 299TH PL** **Federal Way, WA**		**WAI201600064131** **WA HPI**
	Historic ID:	316498	
	Tax Parcel ID:	5151600185	
	Year Built:	1963	
	Registry Status:	Not Determined	
BI444 **WSW** **1/4-1/2 mi** **2221**	**Not Reported** **918 S 301ST ST** **Federal Way, WA**		**WAI201600499788** **WA HPI**
	Historic ID:	324143	
	Tax Parcel ID:	0521049148	
	Year Built:	1944	
	Registry Status:	Not Determined	
BJ445 **South** **1/4-1/2 mi** **2228**	**30419 Pacific Hwy S** **30419 Pacific Hwy S** **Federal Way, WA 98003**		**WAI201600318366** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	673472	
	Tax Parcel ID:	0921049253	
	Year Built:	1966	
	Registry Status:	Determined Not Eligible	

BC446
WSW
1/4-1/2 mi
2229

Not Reported
30122 10TH AVE S
Federal Way, WA

WAI201600494298
WA HPI

Historic ID:	306938
Tax Parcel ID:	5153900270
Year Built:	1967
Registry Status:	Not Determined

BH447
WSW
1/4-1/2 mi
2233

Not Reported
811 S 299TH PL
Federal Way, WA

WAI201600065095
WA HPI

Historic ID:	322939
Tax Parcel ID:	5151600055
Year Built:	1963
Registry Status:	Not Determined

BC448
SW
1/4-1/2 mi
2232

Not Reported
1013 S 302ND ST
Federal Way, WA

WAI201600497161
WA HPI

Historic ID:	315800
Tax Parcel ID:	5153900230
Year Built:	1966
Registry Status:	Not Determined

BB449
ESE
1/4-1/2 mi
2234

Not Reported
30005 23RD AVE S
Federal Way, WA

WAI201600138396
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 399713 Tax Parcel ID: 0421049124 Year Built: 1959 Registry Status: Not Determined	
AZ450 **SW** **1/4-1/2 mi** **2236**	**Not Reported** **30313 13TH AVE S** **Federal Way, WA**	**WAI201600394217** **WA HPI**
	Historic ID: 344885 Tax Parcel ID: 2501600100 Year Built: 1966 Registry Status: Not Determined	
BD451 **SE** **1/4-1/2 mi** **2236**	**Not Reported** **30120 21ST AVE S** **Federal Way, WA**	**WAI201600496148** **WA HPI**
	Historic ID: 313734 Tax Parcel ID: 7982900030 Year Built: 1968 Registry Status: Not Determined	
BA452 **East** **1/4-1/2 mi** **2244**	**Not Reported** **2234 S 298TH ST** **Federal Way, WA**	**WAI201600495040** **WA HPI**
	Historic ID: 309962 Tax Parcel ID: 7683800081 Year Built: 1947 Registry Status: Not Determined	
BA453 **East** **1/4-1/2 mi** **2247**	**Not Reported** **2241 S 298TH ST** **Federal Way, WA**	**WAI201600499124** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	321290	
	Tax Parcel ID:	7683800211	
	Year Built:	1959	
	Registry Status:	Not Determined	
AU454 **WNW** **1/4-1/2 mi** **2248**	**Not Reported** **928 S 296TH PL** **Federal Way, WA**		**WAI201600426031** **WA HPI**
	Historic ID:	400010	
	Tax Parcel ID:	5151600535	
	Year Built:	1956	
	Registry Status:	Not Determined	
AX455 **West** **1/4-1/2 mi** **2249**	**Not Reported** **29604 9TH PL S** **Federal Way, WA**		**WAI201600498555** **WA HPI**
	Historic ID:	320142	
	Tax Parcel ID:	5151600315	
	Year Built:	1967	
	Registry Status:	Not Determined	
BA456 **East** **1/4-1/2 mi** **2250**	**Not Reported** **29644 22ND AVE S** **Federal Way, WA**		**WAI201600062763** **WA HPI**
	Historic ID:	307769	
	Tax Parcel ID:	8798000120	
	Year Built:	1962	
	Registry Status:	Not Determined	
AZ457 **SSW** **1/4-1/2 mi** **2252**	**Not Reported** **30341 13TH AVE S** **Federal Way, WA**		**WAI201600415021** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 388316
Tax Parcel ID: 2501600170
Year Built: 1963
Registry Status: Not Determined

BI458
WSW
1/4-1/2 mi
2254

Not Reported
909 S DASH POINT RD
Federal Way, WA

WAI201600416888
WA HPI

Historic ID: 393587
Tax Parcel ID: 0521049142
Year Built: 1966
Registry Status: Not Determined

BD459
SE
1/4-1/2 mi
2255

Not Reported
30221 21ST AVE S
Federal Way, WA

WAI201600064869
WA HPI

Historic ID: 322523
Tax Parcel ID: 7982900170
Year Built: 1968
Registry Status: Not Determined

BF460
NNE
1/4-1/2 mi
2258

Not Reported
29021 18TH AVE S
Federal Way, WA

WAI201600026088
WA HPI

Historic ID: 391779
Tax Parcel ID: 5462800070
Year Built: 1956
Registry Status: Not Determined

BF461
NNE
1/4-1/2 mi
2260

Not Reported
29212 20TH AVE S
Federal Way, WA

WAI201600497638
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 318271
Tax Parcel ID: 4222800190
Year Built: 1966
Registry Status: Not Determined

AX462
West
1/4-1/2 mi
2262

Not Reported
856 S 297TH PL
Federal Way, WA

WAI201600417371
WA HPI

Historic ID: 394545
Tax Parcel ID: 5151600245
Year Built: 1961
Registry Status: Not Determined

BD463
SE
1/4-1/2 mi
2268

Not Reported
30200 21ST AVE S
Federal Way, WA

WAI201600494665
WA HPI

Historic ID: 309200
Tax Parcel ID: 7982900040
Year Built: 1967
Registry Status: Not Determined

BA464
East
1/4-1/2 mi
2275

Not Reported
29636 22ND AVE S
Federal Way, WA

WAI201600213858
WA HPI

Historic ID: 324035
Tax Parcel ID: 8798000110
Year Built: 1961
Registry Status: Not Determined

BK465
WNW
1/4-1/2 mi
2277

Not Reported
920 S 296TH PL
Federal Way, WA

WAI201600210230
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 313809
Tax Parcel ID: 5151600530
Year Built: 1960
Registry Status: Not Determined

BL466
North
1/4-1/2 mi
2283

Not Reported
29005 PACIFIC HWY S
Federal Way, WA

WAI201600015707
WA HPI

Historic ID: 336417
Tax Parcel ID: 0421049041
Year Built: 1929
Registry Status: Not Determined

BJ467
South
1/4-1/2 mi
2284

Not Reported
30423 PACIFIC HWY S
Federal Way, WA

WAI201600104073
WA HPI

Historic ID: 339514
Tax Parcel ID: 0921049232
Year Built: 1964
Registry Status: Not Determined

BH468
WSW
1/4-1/2 mi
2284

Not Reported
801 S 299TH PL
Federal Way, WA

WAI201600138451
WA HPI

Historic ID: 399861
Tax Parcel ID: 5151600050
Year Built: 1960
Registry Status: Not Determined

AZ469
SW
1/4-1/2 mi
2285

Not Reported
30317 13TH AVE S
Federal Way, WA

WAI201600394189
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	344857	
	Tax Parcel ID:	2501600110	
	Year Built:	1966	
	Registry Status:	Not Determined	
BA470 **East** **1/4-1/2 mi** **2286**	**Not Reported** **29628 22ND AVE S** **Federal Way, WA**		**WAI201600131451** **WA HPI**
	Historic ID:	398011	
	Tax Parcel ID:	8798000100	
	Year Built:	1961	
	Registry Status:	Not Determined	
BF471 **NNE** **1/4-1/2 mi** **2288**	**Not Reported** **29215 20TH AVE S** **Federal Way, WA**		**WAI201600071795** **WA HPI**
	Historic ID:	327257	
	Tax Parcel ID:	4223000140	
	Year Built:	1966	
	Registry Status:	Not Determined	
BF472 **NNE** **1/4-1/2 mi** **2288**	**Not Reported** **29027 19TH AVE S** **Federal Way, WA**		**WAI201600137994** **WA HPI**
	Historic ID:	398939	
	Tax Parcel ID:	4223000100	
	Year Built:	1966	
	Registry Status:	Not Determined	
AZ473 **SSW** **1/4-1/2 mi** **2289**	**Not Reported** **30337 13TH AVE S** **Federal Way, WA**		**WAI201600394208** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 344876
Tax Parcel ID: 2501600160
Year Built: 1962
Registry Status: Not Determined

BC474
WSW
1/4-1/2 mi
2288

Not Reported
30105 10TH AVE S
Federal Way, WA

WAI201600497211
WA HPI

Historic ID: 315850
Tax Parcel ID: 5153900150
Year Built: 1967
Registry Status: Not Determined

BJ475
South
1/4-1/2 mi
2290

30423 Pacific Hwy S
30423 Pacific Hwy S
Federal Way, WA 98003

WAI201600318368
WA HPI

Historic ID: 673474
Tax Parcel ID: 0921049232
Year Built: 1964
Registry Status: Determined Not Eligible

BM476
East
1/4-1/2 mi
2291

Not Reported
29818 23RD AVE S
Federal Way, WA

WAI201600213767
WA HPI

Historic ID: 323849
Tax Parcel ID: 7683800214
Year Built: 1962
Registry Status: Not Determined

477
East
1/4-1/2 mi
2296

Not Reported
29630 22ND AVE S
Federal Way, WA

WAI201600063128
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 308415 Tax Parcel ID: 8798000075 Year Built: 1955 Registry Status: Not Determined	
BL478 **North** **1/4-1/2 mi** **2296**	**Guys and Gals Hair Design & Zou Wellness Center** **29005 Pacific Hwy S** **Federal Way, WA 98003** Historic ID: 673328 Tax Parcel ID: 0421049041 Year Built: 1929 Registry Status: Determined Not Eligible	**WAI201600324778** **WA HPI**
BF479 **NNE** **1/4-1/2 mi** **2298**	**Not Reported** **29022 18TH AVE S** **Federal Way, WA** Historic ID: 309846 Tax Parcel ID: 5462800035 Year Built: 1956 Registry Status: Not Determined	**WAI201600209004** **WA HPI**
BJ480 **South** **1/4-1/2 mi** **2298**	**Not Reported** **30421 PACIFIC HWY S** **Federal Way, WA** Historic ID: 339484 Tax Parcel ID: 0921049217 Year Built: 1963 Registry Status: Not Determined	**WAI201600392320** **WA HPI**
BN481 **South** **1/4-1/2 mi** **2298**	**Steele Lake Inn, Steel Lake Village** **30413 Pacific Hwy S** **Federal Way, WA 98003**	**WAI201600187688** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	85092	
	Tax Parcel ID:	0921049107	
	Year Built:	1927	
	Registry Status:	Determined Not Eligible, Not Determined	
BD482 **SE** **1/4-1/2 mi** **2299**	**Not Reported** **30206 21ST AVE S** **Federal Way, WA**		**WAI201600495257** **WA HPI**
	Historic ID:	310370	
	Tax Parcel ID:	7982900050	
	Year Built:	1968	
	Registry Status:	Not Determined	
BJ483 **South** **1/4-1/2 mi** **2299**	**30421 Pacific Hwy S** **30421 Pacific Hwy S** **Federal Way, WA 98003**		**WAI201600318367** **WA HPI**
	Historic ID:	673473	
	Tax Parcel ID:	0921049217	
	Year Built:	1963	
	Registry Status:	Determined Not Eligible	
BC484 **SW** **1/4-1/2 mi** **2301**	**Not Reported** **30204 10TH AVE S** **Federal Way, WA**		**WAI201600207050** **WA HPI**
	Historic ID:	304409	
	Tax Parcel ID:	5153900220	
	Year Built:	1967	
	Registry Status:	Not Determined	
BH485 **West** **1/4-1/2 mi** **2301**	**Not Reported** **818 S 299TH PL** **Federal Way, WA**		**WAI201600498602** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	320189	
	Tax Parcel ID:	5151600186	
	Year Built:	1962	
	Registry Status:	Not Determined	
BG486 **WNW** **1/4-1/2 mi** **2302**	**Not Reported** **1030 S 295TH PL** **Federal Way, WA**		**WAI201600062880** **WA HPI**
	Historic ID:	307979	
	Tax Parcel ID:	5151800075	
	Year Built:	1959	
	Registry Status:	Not Determined	
BM487 **East** **1/4-1/2 mi** **2302**	**Not Reported** **29828 23RD AVE S** **Federal Way, WA**		**WAI201600209357** **WA HPI**
	Historic ID:	310486	
	Tax Parcel ID:	7683800215	
	Year Built:	1962	
	Registry Status:	Not Determined	
AW488 **East** **1/4-1/2 mi** **2306**	**Not Reported** **29612 22ND AVE S** **Federal Way, WA**		**WAI201600207270** **WA HPI**
	Historic ID:	304817	
	Tax Parcel ID:	8798000070	
	Year Built:	1964	
	Registry Status:	Not Determined	
BD489 **SE** **1/4-1/2 mi** **2305**	**Not Reported** **30212 21ST AVE S** **Federal Way, WA**		**WAI201600128026** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 389733
Tax Parcel ID: 7982900060
Year Built: 1968
Registry Status: Not Determined

BD490
SE
1/4-1/2 mi
2308

Not Reported
30229 21ST AVE S
Federal Way, WA

WAI201600072232
WA HPI

Historic ID: 328070
Tax Parcel ID: 7982900160
Year Built: 1969
Registry Status: Not Determined

BO491
NNE
1/4-1/2 mi
2312

Not Reported
2011 S 292ND ST
Federal Way, WA

WAI201600417303
WA HPI

Historic ID: 394382
Tax Parcel ID: 4222900130
Year Built: 1968
Registry Status: Not Determined

BI492
WSW
1/4-1/2 mi
2314

Not Reported
901 S DASH POINT RD
Federal Way, WA

WAI201600208618
WA HPI

Historic ID: 309085
Tax Parcel ID: 0521049044
Year Built: 1966
Registry Status: Not Determined

BO493
NNE
1/4-1/2 mi
2317

Not Reported
2015 S 292ND ST
Federal Way, WA

WAI201600352835
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	312796	
	Tax Parcel ID:	4222900140	
	Year Built:	1968	
	Registry Status:	Not Determined	
BM494 **ESE** **1/4-1/2 mi** **2316**	**Not Reported** **29834 23RD AVE S** **Federal Way, WA**		**WAI201600213142** **WA HPI**
	Historic ID:	321047	
	Tax Parcel ID:	7683800209	
	Year Built:	1962	
	Registry Status:	Not Determined	
AZ495 **SSW** **1/4-1/2 mi** **2323**	**Not Reported** **30333 13TH AVE S** **Federal Way, WA**		**WAI201600394328** **WA HPI**
	Historic ID:	345091	
	Tax Parcel ID:	2501600150	
	Year Built:	1962	
	Registry Status:	Not Determined	
BH496 **West** **1/4-1/2 mi** **2326**	**Not Reported** **827 S 297TH PL** **Federal Way, WA**		**WAI201600315639** **WA HPI**
	Historic ID:	391140	
	Tax Parcel ID:	5151600150	
	Year Built:	1961	
	Registry Status:	Not Determined	
AW497 **ENE** **1/4-1/2 mi** **2325**	**Not Reported** **29604 22ND AVE S** **Federal Way, WA**		**WAI201600064976** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 322727 Tax Parcel ID: 8798000065 Year Built: 1961 Registry Status: Not Determined	
BK498 **WNW** **1/4-1/2 mi** **2328**	**Not Reported** **912 S 296TH PL** **Federal Way, WA**	**WAI201600211480** **WA HPI**
	Historic ID: 317790 Tax Parcel ID: 5151600525 Year Built: 1961 Registry Status: Not Determined	
BC499 **WSW** **1/4-1/2 mi** **2328**	**Not Reported** **30113 10TH AVE S** **Federal Way, WA**	**WAI201600215037** **WA HPI**
	Historic ID: 326345 Tax Parcel ID: 5153900160 Year Built: 1967 Registry Status: Not Determined	
BA500 **East** **1/4-1/2 mi** **2328**	**Not Reported** **2247 S 298TH ST** **Federal Way, WA**	**WAI201600497169** **WA HPI**
	Historic ID: 315808 Tax Parcel ID: 7683800212 Year Built: 1959 Registry Status: Not Determined	
BO501 **NNE** **1/4-1/2 mi** **2330**	**Not Reported** **2019 S 292ND ST** **Federal Way, WA**	**WAI201600026063** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	391754	
	Tax Parcel ID:	4222900150	
	Year Built:	1968	
	Registry Status:	Not Determined	
BO502 **NNE** **1/4-1/2 mi** **2332**	**Not Reported** **2001 S 292ND ST** **Federal Way, WA**		**WAI201600352274** **WA HPI**
	Historic ID:	311658	
	Tax Parcel ID:	4222800200	
	Year Built:	1966	
	Registry Status:	Not Determined	
AZ503 **SW** **1/4-1/2 mi** **2333**	**Not Reported** **30321 13TH AVE S** **Federal Way, WA**		**WAI201600106087** **WA HPI**
	Historic ID:	344994	
	Tax Parcel ID:	2501600120	
	Year Built:	1966	
	Registry Status:	Not Determined	
BM504 **ESE** **1/4-1/2 mi** **2333**	**Not Reported** **2304 S 300TH ST** **Federal Way, WA**		**WAI201600497636** **WA HPI**
	Historic ID:	318269	
	Tax Parcel ID:	7683800217	
	Year Built:	1962	
	Registry Status:	Not Determined	
AX505 **West** **1/4-1/2 mi** **2334**	**Not Reported** **848 S 297TH PL** **Federal Way, WA**		**WAI201600315513** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	390919	
	Tax Parcel ID:	5151600250	
	Year Built:	1959	
	Registry Status:	Not Determined	
BM506 **ESE** **1/4-1/2 mi** **2333**	**Not Reported** **29844 23RD AVE S** **Federal Way, WA**		**WAI201600025632** **WA HPI**
	Historic ID:	390858	
	Tax Parcel ID:	7683800216	
	Year Built:	1962	
	Registry Status:	Not Determined	
BN507 **South** **1/4-1/2 mi** **2338**	**30412 Pacific Hwy S** **30412 Pacific Hwy S** **Federal Way, WA 98003**		**WAI201600318374** **WA HPI**
	Historic ID:	673480	
	Tax Parcel ID:	0921049107	
	Year Built:	1927	
	Registry Status:	Determined Not Eligible	
BO508 **NE** **1/4-1/2 mi** **2339**	**Not Reported** **2027 S 292ND ST** **Federal Way, WA**		**WAI201600360795** **WA HPI**
	Historic ID:	327405	
	Tax Parcel ID:	4222900160	
	Year Built:	1968	
	Registry Status:	Not Determined	
BI509 **WSW** **1/4-1/2 mi** **2342**	**Not Reported** **29906 8TH PL S** **Federal Way, WA**		**WAI201600495374** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 310585 Tax Parcel ID: 5151600045 Year Built: 1969 Registry Status: Not Determined	
BC510 **SW** **1/4-1/2 mi** **2344**	**Not Reported** **30212 10TH AVE S** **Federal Way, WA**	**WAI201600498781** **WA HPI**
	Historic ID: 320559 Tax Parcel ID: 5153900210 Year Built: 1967 Registry Status: Not Determined	
BE511 **SSE** **1/4-1/2 mi** **2344**	**Not Reported** **2004 S 304TH ST** **Federal Way, WA**	**WAI201600129826** **WA HPI**
	Historic ID: 394804 Tax Parcel ID: 0421049146 Year Built: 1961 Registry Status: Not Determined	
BO512 **NE** **1/4-1/2 mi** **2352**	**Not Reported** **2035 S 292ND ST** **Federal Way, WA**	**WAI201600128328** **WA HPI**
	Historic ID: 390314 Tax Parcel ID: 4222900170 Year Built: 1968 Registry Status: Not Determined	
BL513 **North** **1/4-1/2 mi** **2355**	**Not Reported** **28872 PACIFIC HWY S** **Federal Way, WA**	**WAI201600306719** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	342891	
	Tax Parcel ID:	0421049072	
	Year Built:	1955	
	Registry Status:	Not Determined	
BC514 **WSW** **1/4-1/2 mi** **2357**	**Not Reported** **30121 10TH AVE S** **Federal Way, WA**		**WAI201600416729** **WA HPI**
	Historic ID:	393238	
	Tax Parcel ID:	5153900170	
	Year Built:	1967	
	Registry Status:	Not Determined	
BF515 **NNE** **1/4-1/2 mi** **2359**	**Not Reported** **29021 19TH AVE S** **Federal Way, WA**		**WAI201600062404** **WA HPI**
	Historic ID:	307033	
	Tax Parcel ID:	4223000090	
	Year Built:	1966	
	Registry Status:	Not Determined	
BP516 **North** **1/4-1/2 mi** **2361**	**Not Reported** **29015 18TH AVE S** **Federal Way, WA**		**WAI201600207195** **WA HPI**
	Historic ID:	304740	
	Tax Parcel ID:	5462800076	
	Year Built:	1956	
	Registry Status:	Not Determined	
BQ517 **NE** **1/4-1/2 mi** **2369**	**Not Reported** **2201 S 292ND ST** **Federal Way, WA**		**WAI201600128315** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 390301
Tax Parcel ID: 4222900180
Year Built: 1968
Registry Status: Not Determined

BL518
North
1/4-1/2 mi
2371

Just Stay Fit Center
29001 Pacific Hwy S
Federal Way, WA 98003

WAI201600193721
WA HPI

Historic ID: 36279
Tax Parcel ID: 0421049074
Year Built: 1955
Registry Status: Not Determined

BA519
East
1/4-1/2 mi
2373

Not Reported
2250 S 298TH ST
Federal Way, WA

WAI201600315716
WA HPI

Historic ID: 391312
Tax Parcel ID: 7683800071
Year Built: 1947
Registry Status: Not Determined

BE520
SE
1/4-1/2 mi
2373

Not Reported
30233 21ST AVE S
Federal Way, WA

WAI201600315781
WA HPI

Historic ID: 391472
Tax Parcel ID: 7982900150
Year Built: 1968
Registry Status: Not Determined

AZ521
SW
1/4-1/2 mi
2377

Not Reported
30329 13TH AVE S
Federal Way, WA

WAI201600106039
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 344946
Tax Parcel ID: 2501600140
Year Built: 1962
Registry Status: Not Determined

BR522
NW
1/4-1/2 mi
2379

Not Reported
29300 11TH PL S
Federal Way, WA

WAI201600128207
WA HPI

Historic ID: 390100
Tax Parcel ID: 5152300070
Year Built: 1962
Registry Status: Not Determined

BL523
North
1/4-1/2 mi
2378

Jim's Auto Refinishing & Collision Center Inc.
28872 Pacific Hwy S
Federal Way, WA 98003

WAI201600028575
WA HPI

Historic ID: 673437
Tax Parcel ID: 0421049072
Year Built: 1955
Registry Status: Determined Not Eligible

BE524
SE
1/4-1/2 mi
2378

Not Reported
2020 S 304TH ST
Federal Way, WA

WAI201600417135
WA HPI

Historic ID: 394024
Tax Parcel ID: 0421049245
Year Built: 1958
Registry Status: Not Determined

BS525
West
1/4-1/2 mi
2379

Not Reported
29607 9TH PL S
Federal Way, WA

WAI201600354491
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

Historic ID: 326669
Tax Parcel ID: 5151600240
Year Built: 1959
Registry Status: Not Determined

BF526
NNE
1/4-1/2 mi
2379

Not Reported
29026 19TH AVE S
Federal Way, WA

WAI201600417317
WA HPI

Historic ID: 394396
Tax Parcel ID: 4223000150
Year Built: 1966
Registry Status: Not Determined

BK527
WNW
1/4-1/2 mi
2379

Not Reported
904 S 296TH PL
Federal Way, WA

WAI201600426150
WA HPI

Historic ID: 400224
Tax Parcel ID: 5151600520
Year Built: 1957
Registry Status: Not Determined

BL528
North
1/4-1/2 mi
2380

Thomas Kinkaid Gallery
29001 Pacific Hwy S
Federal Way, WA 98003

WAI201600324777
WA HPI

Historic ID: 673327
Tax Parcel ID: 0421049074
Year Built: 1955
Registry Status: Determined Not Eligible

BT529
SW
1/4-1/2 mi
2382

Not Reported
30220 10TH AVE S
Federal Way, WA

WAI201600499120
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	321286	
	Tax Parcel ID:	5153700100	
	Year Built:	1968	
	Registry Status:	Not Determined	
BD530 **SE** **1/4-1/2 mi** **2383**	**Not Reported** **30218 21ST AVE S** **Federal Way, WA**		**WAI201600426062** **WA HPI**
	Historic ID:	400041	
	Tax Parcel ID:	7982900070	
	Year Built:	1968	
	Registry Status:	Not Determined	
BF531 **NNE** **1/4-1/2 mi** **2383**	**Not Reported** **29014 18TH AVE S** **Federal Way, WA**		**WAI201600495601** **WA HPI**
	Historic ID:	311101	
	Tax Parcel ID:	5462800030	
	Year Built:	1956	
	Registry Status:	Not Determined	
BR532 **NW** **1/4-1/2 mi** **2388**	**Not Reported** **29315 11TH PL S** **Federal Way, WA**		**WAI201600130494** **WA HPI**
	Historic ID:	396124	
	Tax Parcel ID:	5152300030	
	Year Built:	1961	
	Registry Status:	Not Determined	
BQ533 **NE** **1/4-1/2 mi** **2389**	**Not Reported** **2207 S 292ND ST** **Federal Way, WA**		**WAI201600063197** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	311606	
	Tax Parcel ID:	4222900190	
	Year Built:	1968	
	Registry Status:	Not Determined	
BC534 **WSW** **1/4-1/2 mi** **2390**	**Not Reported** **30127 10TH AVE S** **Federal Way, WA**		**WAI201600210177** **WA HPI**
	Historic ID:	313663	
	Tax Parcel ID:	5153900180	
	Year Built:	1967	
	Registry Status:	Not Determined	
BG535 **WNW** **1/4-1/2 mi** **2389**	**Not Reported** **1018 S 295TH PL** **Federal Way, WA**		**WAI201600131707** **WA HPI**
	Historic ID:	398546	
	Tax Parcel ID:	5151800080	
	Year Built:	1961	
	Registry Status:	Not Determined	
BH536 **West** **1/4-1/2 mi** **2391**	**Not Reported** **808 S 299TH PL** **Federal Way, WA**		**WAI201600494219** **WA HPI**
	Historic ID:	306763	
	Tax Parcel ID:	5151600125	
	Year Built:	1961	
	Registry Status:	Not Determined	
BF537 **NNE** **1/4-1/2 mi** **2391**	**Not Reported** **29209 20TH AVE S** **Federal Way, WA**		**WAI201600426335** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	400599	
	Tax Parcel ID:	4222800180	
	Year Built:	1965	
	Registry Status:	Not Determined	
BI538 **WSW** **1/4-1/2 mi** **2399**	**Not Reported** **29914 8TH PL S** **Federal Way, WA**		**WAI201600209993** **WA HPI**
	Historic ID:	313293	
	Tax Parcel ID:	5151600040	
	Year Built:	1968	
	Registry Status:	Not Determined	
BP539 **North** **1/4-1/2 mi** **2400**	**28089 17th Pl S** **28089 17th Pl S** **Federal Way, WA 98003**		**WAI201600028572** **WA HPI**
	Historic ID:	673434	
	Tax Parcel ID:	7695000005	
	Year Built:	1957	
	Registry Status:	Determined Not Eligible	
BI540 **WSW** **1/4-1/2 mi** **2400**	**Not Reported** **849 S DASH POINT RD** **Federal Way, WA**		**WAI201600394257** **WA HPI**
	Historic ID:	344925	
	Tax Parcel ID:	0521049057	
	Year Built:	1952	
	Registry Status:	Not Determined	
BM541 **ESE** **1/4-1/2 mi** **2401**	**Not Reported** **2310 S 300TH ST** **Federal Way, WA**		**WAI201600352519** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	312097	
	Tax Parcel ID:	7683800213	
	Year Built:	1962	
	Registry Status:	Not Determined	
BQ542 **NE** **1/4-1/2 mi** **2409**	**Not Reported** **2213 S 292ND ST** **Federal Way, WA**		**WAI201600496299** **WA HPI**
	Historic ID:	313980	
	Tax Parcel ID:	4222900200	
	Year Built:	1968	
	Registry Status:	Not Determined	
BU543 **SW** **1/4-1/2 mi** **2413**	**Not Reported** **30325 13TH AVE S** **Federal Way, WA**		**WAI201600106088** **WA HPI**
	Historic ID:	344995	
	Tax Parcel ID:	2501600130	
	Year Built:	1962	
	Registry Status:	Not Determined	
BV544 **NW** **1/4-1/2 mi** **2414**	**Not Reported** **953 S 294TH PL** **Federal Way, WA**		**WAI201600207636** **WA HPI**
	Historic ID:	305556	
	Tax Parcel ID:	5152400090	
	Year Built:	1969	
	Registry Status:	Not Determined	
BE545 **SE** **1/4-1/2 mi** **2415**	**Not Reported** **2024 S 304TH ST** **Federal Way, WA**		**WAI201600501063** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 328274
Tax Parcel ID: 0421049239
Year Built: 1952
Registry Status: Not Determined

BS546
West
1/4-1/2 mi
2420

Not Reported
840 S 297TH PL
Federal Way, WA

WAI201600425964
WA HPI

Historic ID: 399848
Tax Parcel ID: 5151600255
Year Built: 1959
Registry Status: Not Determined

BK547
WNW
1/4-1/2 mi
2417

Not Reported
917 S 295TH PL
Federal Way, WA

WAI201600500258
WA HPI

Historic ID: 325093
Tax Parcel ID: 5151800050
Year Built: 1961
Registry Status: Not Determined

BW548
SSE
1/4-1/2 mi
2419

Not Reported
1931 S 304TH ST
Federal Way, WA

WAI201600210710
WA HPI

Historic ID: 314758
Tax Parcel ID: 0921049199
Year Built: 1961
Registry Status: Not Determined

BJ549
South
1/4-1/2 mi
2421

1700 S 305th Pl
1700 S 305th Pl
Federal Way, WA 98003

WAI201600318373
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	673479	
	Tax Parcel ID:	2558170130	
	Year Built:	1968	
	Registry Status:	Determined Not Eligible	
BE550 **SE** **1/4-1/2 mi** **2421**	**Not Reported** **30237 21ST AVE S** **Federal Way, WA**		**WAI201600495484** **WA HPI**
	Historic ID:	310889	
	Tax Parcel ID:	7982900140	
	Year Built:	1968	
	Registry Status:	Not Determined	
BT551 **SW** **1/4-1/2 mi** **2421**	**Not Reported** **30226 10TH AVE S** **Federal Way, WA**		**WAI201600063970** **WA HPI**
	Historic ID:	316151	
	Tax Parcel ID:	5153700110	
	Year Built:	1968	
	Registry Status:	Not Determined	
BC552 **WSW** **1/4-1/2 mi** **2428**	**Not Reported** **30203 10TH AVE S** **Federal Way, WA**		**WAI201600062864** **WA HPI**
	Historic ID:	307963	
	Tax Parcel ID:	5153900190	
	Year Built:	1967	
	Registry Status:	Not Determined	
BH553 **West** **1/4-1/2 mi** **2429**	**Not Reported** **29814 8TH PL S** **Federal Way, WA**		**WAI201600128350** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	390336	
	Tax Parcel ID:	5151600130	
	Year Built:	1959	
	Registry Status:	Not Determined	
BJ554 **South** **1/4-1/2 mi** **2430**	**Not Reported** **1700 S 305TH PL** **Federal Way, WA**		**WAI201600305758** **WA HPI**
	Historic ID:	336466	
	Tax Parcel ID:	2558170130	
	Year Built:	1968	
	Registry Status:	Not Determined	
BH555 **West** **1/4-1/2 mi** **2432**	**Not Reported** **29804 8TH PL S** **Federal Way, WA**		**WAI201600209223** **WA HPI**
	Historic ID:	310255	
	Tax Parcel ID:	5151600135	
	Year Built:	1959	
	Registry Status:	Not Determined	
BF556 **NNE** **1/4-1/2 mi** **2432**	**Not Reported** **29013 19TH AVE S** **Federal Way, WA**		**WAI201600213772** **WA HPI**
	Historic ID:	323854	
	Tax Parcel ID:	4223000080	
	Year Built:	1966	
	Registry Status:	Not Determined	
BM557 **East** **1/4-1/2 mi** **2435**	**Not Reported** **2257 S 298TH ST** **Federal Way, WA**		**WAI201600425581** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	399085	
	Tax Parcel ID:	7683800220	
	Year Built:	1946	
	Registry Status:	Not Determined	
BL558 **North** **1/4-1/2 mi** **2438**	**28866 Pacific Hwy S** **28866 Pacific Hwy S** **Federal Way, WA 98003**		**WAI201600028574** **WA HPI**
	Historic ID:	673436	
	Tax Parcel ID:	0421049242	
	Year Built:	1946	
	Registry Status:	Determined Not Eligible	
BH559 **West** **1/4-1/2 mi** **2439**	**Not Reported** **817 S 297TH PL** **Federal Way, WA**		**WAI201600064385** **WA HPI**
	Historic ID:	317033	
	Tax Parcel ID:	5151600145	
	Year Built:	1959	
	Registry Status:	Not Determined	
BQ560 **NE** **1/4-1/2 mi** **2441**	**Not Reported** **2219 S 292ND ST** **Federal Way, WA**		**WAI201600354050** **WA HPI**
	Historic ID:	322813	
	Tax Parcel ID:	4222900210	
	Year Built:	1968	
	Registry Status:	Not Determined	
BP561 **North** **1/4-1/2 mi** **2442**	**Not Reported** **29007 18TH AVE S** **Federal Way, WA**		**WAI201600128902** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 392950
Tax Parcel ID: 5462800081
Year Built: 1957
Registry Status: Not Determined

BX562
SE
1/4-1/2 mi
2445

Not Reported
30230 21ST AVE S
Federal Way, WA

WAI201600496745
WA HPI

Historic ID: 314905
Tax Parcel ID: 7982900090
Year Built: 1968
Registry Status: Not Determined

BK563
WNW
1/4-1/2 mi
2446

Not Reported
29522 9TH PL S
Federal Way, WA

WAI201600062345
WA HPI

Historic ID: 304048
Tax Parcel ID: 5151800065
Year Built: 1965
Registry Status: Not Determined

BL564
North
1/4-1/2 mi
2447

Studio IV Salon
28866 Pacific Hwy S
Federal Way, WA 98003

WAI201600193722
WA HPI

Historic ID: 36280
Tax Parcel ID: 0421049242
Year Built: 1946
Registry Status: Not Determined

BI565
WSW
1/4-1/2 mi
2451

Not Reported
845 S DASH POINT RD
Federal Way, WA

WAI201600417786
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	395340	
	Tax Parcel ID:	0521049146	
	Year Built:	1963	
	Registry Status:	Not Determined	
BY566 **SE** **1/4-1/2 mi** **2454**	**Not Reported** **30213 23RD AVE S** **Federal Way, WA**		**WAI201600214287** **WA HPI**
	Historic ID:	324839	
	Tax Parcel ID:	0421049193	
	Year Built:	1967	
	Registry Status:	Not Determined	
BW567 **SSE** **1/4-1/2 mi** **2455**	**Not Reported** **2007 S 304TH ST** **Federal Way, WA**		**WAI201600215291** **WA HPI**
	Historic ID:	328389	
	Tax Parcel ID:	0537000006	
	Year Built:	1961	
	Registry Status:	Not Determined	
BF568 **NNE** **1/4-1/2 mi** **2456**	**Not Reported** **29018 19TH AVE S** **Federal Way, WA**		**WAI201600213551** **WA HPI**
	Historic ID:	321928	
	Tax Parcel ID:	4223000160	
	Year Built:	1966	
	Registry Status:	Not Determined	
BR569 **NW** **1/4-1/2 mi** **2458**	**Not Reported** **28962 11TH PL S** **Federal Way, WA**		**WAI201600493482** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	305258	
	Tax Parcel ID:	5152300060	
	Year Built:	1962	
	Registry Status:	Not Determined	
BD570 **SE** **1/4-1/2 mi** **2459**	**Not Reported** **30220 21ST AVE S** **Federal Way, WA**		**WAI201600063251** **WA HPI**
	Historic ID:	311753	
	Tax Parcel ID:	7982900080	
	Year Built:	1968	
	Registry Status:	Not Determined	
BO571 **NNE** **1/4-1/2 mi** **2463**	**Not Reported** **29201 20TH AVE S** **Federal Way, WA**		**WAI201600208683** **WA HPI**
	Historic ID:	309150	
	Tax Parcel ID:	4222800170	
	Year Built:	1966	
	Registry Status:	Not Determined	
BT572 **WSW** **1/4-1/2 mi** **2464**	**Not Reported** **30211 10TH AVE S** **Federal Way, WA**		**WAI201600499893** **WA HPI**
	Historic ID:	324343	
	Tax Parcel ID:	5153900200	
	Year Built:	1967	
	Registry Status:	Not Determined	
BG573 **WNW** **1/4-1/2 mi** **2467**	**Not Reported** **1004 S 295TH PL** **Federal Way, WA**		**WAI201600352686** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	312456	
	Tax Parcel ID:	5151800085	
	Year Built:	1959	
	Registry Status:	Not Determined	
BT574 **SW** **1/4-1/2 mi** **2468**	**Not Reported** **30304 10TH AVE S** **Federal Way, WA**		**WAI201600131731** **WA HPI**
	Historic ID:	398570	
	Tax Parcel ID:	5153700120	
	Year Built:	1968	
	Registry Status:	Not Determined	
BI575 **WSW** **1/4-1/2 mi** **2474**	**Not Reported** **30010 8TH PL S** **Federal Way, WA**		**WAI201600495335** **WA HPI**
	Historic ID:	310546	
	Tax Parcel ID:	5149800020	
	Year Built:	1963	
	Registry Status:	Not Determined	
BN576 **SSE** **1/4-1/2 mi** **2473**	**Not Reported** **1730 S 305TH PL** **Federal Way, WA**		**WAI201600384312** **WA HPI**
	Historic ID:	333696	
	Tax Parcel ID:	2558170100	
	Year Built:	1969	
	Registry Status:	Not Determined	
BP577 **NNE** **1/4-1/2 mi** **2473**	**Not Reported** **29004 18TH AVE S** **Federal Way, WA**		**WAI201600498541** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	320033	
	Tax Parcel ID:	5462800025	
	Year Built:	1956	
	Registry Status:	Not Determined	
BM578 **ESE** **1/4-1/2 mi** **2474**	**Not Reported** **2318 S 300TH ST** **Federal Way, WA**		**WAI201600129034** **WA HPI**
	Historic ID:	393175	
	Tax Parcel ID:	7683800223	
	Year Built:	1965	
	Registry Status:	Not Determined	
BS579 **West** **1/4-1/2 mi** **2479**	**"Montego" Model Home** **827 S 296TH PL** **Federal Way, WA**		**WAI201600209205** **WA HPI**
	Historic ID:	310237	
	Tax Parcel ID:	5151600235	
	Year Built:	1960	
	Registry Status:	Not Determined	
BH580 **West** **1/4-1/2 mi** **2480**	**Not Reported** **805 S 297TH PL** **Federal Way, WA**		**WAI201600499909** **WA HPI**
	Historic ID:	324359	
	Tax Parcel ID:	5151600140	
	Year Built:	1958	
	Registry Status:	Not Determined	
BO581 **NNE** **1/4-1/2 mi** **2479**	**Not Reported** **2012 S 292ND ST** **Federal Way, WA**		**WAI201600129129** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 393363 Tax Parcel ID: 4222900120 Year Built: 1968 Registry Status: Not Determined	
BO582 **NNE** **1/4-1/2 mi** **2480**	**Not Reported** **29114 20TH AVE S** **Federal Way, WA**	**WAI201600354286** **WA HPI**
	Historic ID: 323242 Tax Parcel ID: 4222800210 Year Built: 1966 Registry Status: Not Determined	
BQ583 **NE** **1/4-1/2 mi** **2484**	**Not Reported** **2227 S 292ND ST** **Federal Way, WA**	**WAI201600212579** **WA HPI**
	Historic ID: 319921 Tax Parcel ID: 4222900220 Year Built: 1968 Registry Status: Not Determined	
BO584 **NNE** **1/4-1/2 mi** **2489**	**Not Reported** **2018 S 292ND ST** **Federal Way, WA**	**WAI201600496196** **WA HPI**
	Historic ID: 313782 Tax Parcel ID: 4222900110 Year Built: 1968 Registry Status: Not Determined	
BV585 **NW** **1/4-1/2 mi** **2492**	**Not Reported** **950 S 294TH PL** **Federal Way, WA**	**WAI201600495975** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	313371	
	Tax Parcel ID:	5152400080	
	Year Built:	1965	
	Registry Status:	Not Determined	
BW586 **SSE** **1/4-1/2 mi** **2491**	**Not Reported** **2013 S 304TH ST** **Federal Way, WA**		**WAI201600106121** **WA HPI**
	Historic ID:	345028	
	Tax Parcel ID:	0537000021	
	Year Built:	1967	
	Registry Status:	Not Determined	
BN587 **SSE** **1/4-1/2 mi** **2495**	**Not Reported** **1740 S 305TH PL** **Federal Way, WA**		**WAI201600384324** **WA HPI**
	Historic ID:	333708	
	Tax Parcel ID:	2558170090	
	Year Built:	1969	
	Registry Status:	Not Determined	
BO588 **NNE** **1/4-1/2 mi** **2495**	**Not Reported** **2026 S 292ND ST** **Federal Way, WA**		**WAI201600498839** **WA HPI**
	Historic ID:	320716	
	Tax Parcel ID:	4222900100	
	Year Built:	1968	
	Registry Status:	Not Determined	
BX589 **SE** **1/4-1/2 mi** **2498**	**Not Reported** **2038 S 304TH ST** **Federal Way, WA**		**WAI201600129717** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

Historic ID: 394602
Tax Parcel ID: 0421049127
Year Built: 1956
Registry Status: Not Determined

BK590
WNW
1/4-1/2 mi
2499

Not Reported
834 S 296TH PL
Federal Way, WA

WAI201600213992
WA HPI

Historic ID: 324262
Tax Parcel ID: 5151600580
Year Built: 1960
Registry Status: Not Determined

BZ591
WSW
1/4-1/2 mi
2499

Not Reported
841 S DASH POINT RD
Federal Way, WA

WAI201600063900
WA HPI

Historic ID: 316081
Tax Parcel ID: 0521049034
Year Built: 1969
Registry Status: Not Determined

BK592
WNW
1/4-1/2 mi
2502

Not Reported
29512 9TH PL S
Federal Way, WA

WAI201600131131
WA HPI

Historic ID: 397319
Tax Parcel ID: 5151800060
Year Built: 1962
Registry Status: Not Determined

BT593
SW
1/4-1/2 mi
2505

Not Reported
30219 10TH AVE S
Federal Way, WA

WAI201600209144
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 310083
Tax Parcel ID: 5153700090
Year Built: 1968
Registry Status: Not Determined

BX594
SE
1/4-1/2 mi
2506

Not Reported
30236 21ST AVE S
Federal Way, WA

WAI201600353765
WA HPI

Historic ID: 322240
Tax Parcel ID: 7982900100
Year Built: 1968
Registry Status: Not Determined

BV595
WNW
1/4-1/2 mi
2510

Not Reported
941 S 294TH PL
Federal Way, WA

WAI201600208304
WA HPI

Historic ID: 306884
Tax Parcel ID: 5152400100
Year Built: 1966
Registry Status: Not Determined

BX596
SE
1/4-1/2 mi
2510

Not Reported
30217 23RD AVE S
Federal Way, WA

WAI201600213712
WA HPI

Historic ID: 323701
Tax Parcel ID: 0421049164
Year Built: 1963
Registry Status: Not Determined

BP597
NNE
1/4-1/2 mi
2511

Not Reported
1815 S 290TH ST
Federal Way, WA

WAI201600495645
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	311145	
	Tax Parcel ID:	4223000070	
	Year Built:	1966	
	Registry Status:	Not Determined	
BO598 **NE** **1/4-1/2 mi** **2513**	**Not Reported** **2034 S 292ND ST** **Federal Way, WA**		**WAI201600418371** **WA HPI**
	Historic ID:	396591	
	Tax Parcel ID:	4222900090	
	Year Built:	1968	
	Registry Status:	Not Determined	
BT599 **SW** **1/4-1/2 mi** **2516**	**Not Reported** **30312 10TH AVE S** **Federal Way, WA**		**WAI201600208582** **WA HPI**
	Historic ID:	308956	
	Tax Parcel ID:	5153700130	
	Year Built:	1968	
	Registry Status:	Not Determined	
BS600 **West** **1/4-1/2 mi** **2522**	**Not Reported** **822 S 297TH PL** **Federal Way, WA**		**WAI201600127839** **WA HPI**
	Historic ID:	389360	
	Tax Parcel ID:	5151600265	
	Year Built:	1958	
	Registry Status:	Not Determined	
BP601 **North** **1/4-1/2 mi** **2523**	**Not Reported** **29089 17TH PL S** **Federal Way, WA**		**WAI201600104632** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	340633	
	Tax Parcel ID:	7695000000	
	Year Built:	1957	
	Registry Status:	Not Determined	
CA602 **NNE** **1/4-1/2 mi** **2524**	**Not Reported** **29010 19TH AVE S** **Federal Way, WA**		**WAI201600215112** **WA HPI**
	Historic ID:	326513	
	Tax Parcel ID:	4223000170	
	Year Built:	1966	
	Registry Status:	Not Determined	
BQ603 **NE** **1/4-1/2 mi** **2525**	**Not Reported** **2200 S 292ND ST** **Federal Way, WA**		**WAI201600129053** **WA HPI**
	Historic ID:	393287	
	Tax Parcel ID:	4222900080	
	Year Built:	1968	
	Registry Status:	Not Determined	
BY604 **SE** **1/4-1/2 mi** **2525**	**Not Reported** **30205 23RD AVE S** **Federal Way, WA**		**WAI201600128441** **WA HPI**
	Historic ID:	390520	
	Tax Parcel ID:	0421049191	
	Year Built:	1965	
	Registry Status:	Not Determined	
BP605 **North** **1/4-1/2 mi** **2528**	**Not Reported** **28847 18TH AVE S** **Federal Way, WA**		**WAI201600213250** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	321252	
	Tax Parcel ID:	5462800086	
	Year Built:	1957	
	Registry Status:	Not Determined	
CB606 **WNW** **1/4-1/2 mi** **2535**	**Not Reported** **934 S 295TH PL** **Federal Way, WA**		**WAI201600495828** **WA HPI**
	Historic ID:	313031	
	Tax Parcel ID:	5151800090	
	Year Built:	1967	
	Registry Status:	Not Determined	
BI607 **WSW** **1/4-1/2 mi** **2536**	**Not Reported** **30020 8TH PL S** **Federal Way, WA**		**WAI201600210620** **WA HPI**
	Historic ID:	314572	
	Tax Parcel ID:	5149800030	
	Year Built:	1961	
	Registry Status:	Not Determined	
BO608 **NNE** **1/4-1/2 mi** **2539**	**Not Reported** **29105 20TH AVE S** **Federal Way, WA**		**WAI201600209390** **WA HPI**
	Historic ID:	310612	
	Tax Parcel ID:	4222800160	
	Year Built:	1966	
	Registry Status:	Not Determined	
CC609 **NE** **1/4-1/2 mi** **2539**	**Not Reported** **2231 S 292ND ST** **Federal Way, WA**		**WAI201600493461** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 305237 Tax Parcel ID: 4222900230 Year Built: 1968 Registry Status: Not Determined	
BZ610 **WSW** **1/4-1/2 mi** **2543**	**Not Reported** **837 S DASH POINT RD** **Federal Way, WA**	**WAI201600498058** **WA HPI**
	Historic ID: 319073 Tax Parcel ID: 0521049164 Year Built: 1969 Registry Status: Not Determined	
BQ611 **NE** **1/4-1/2 mi** **2541**	**Not Reported** **2206 S 292ND ST** **Federal Way, WA**	**WAI201600494325** **WA HPI**
	Historic ID: 306965 Tax Parcel ID: 4222900070 Year Built: 1968 Registry Status: Not Determined	
CD612 **ESE** **1/4-1/2 mi** **2543**	**Not Reported** **2326 S 300TH ST** **Federal Way, WA**	**WAI201600499025** **WA HPI**
	Historic ID: 321092 Tax Parcel ID: 7683800218 Year Built: 1962 Registry Status: Not Determined	
BT613 **SW** **1/4-1/2 mi** **2544**	**Not Reported** **30225 10TH AVE S** **Federal Way, WA**	**WAI201600417566** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 394930
Tax Parcel ID: 5153700080
Year Built: 1968
Registry Status: Not Determined

BT614
WSW
1/4-1/2 mi
2549

Not Reported
833 S DASH POINT RD
Federal Way, WA

WAI201600208046
WA HPI

Historic ID: 306437
Tax Parcel ID: 0521049169
Year Built: 1964
Registry Status: Not Determined

BK615
WNW
1/4-1/2 mi
2550

Not Reported
909 S 295TH PL
Federal Way, WA

WAI201600494564
WA HPI

Historic ID: 309004
Tax Parcel ID: 5151800055
Year Built: 1961
Registry Status: Not Determined

CE616
West
1/4-1/2 mi
2553

Not Reported
29825 8TH PL S
Federal Way, WA

WAI201600207824
WA HPI

Historic ID: 305932
Tax Parcel ID: 5151600110
Year Built: 1961
Registry Status: Not Determined

BQ617
NE
1/4-1/2 mi
2557

Not Reported
2214 S 292ND ST
Federal Way, WA

WAI201600065216
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 323156
Tax Parcel ID: 4222900060
Year Built: 1968
Registry Status: Not Determined

CA618
NNE
1/4-1/2 mi
2556

Not Reported
1925 S 291ST PL
Federal Way, WA

WAI201600214341
WA HPI

Historic ID: 324988
Tax Parcel ID: 4223000200
Year Built: 1966
Registry Status: Not Determined

BX619
SE
1/4-1/2 mi
2557

Not Reported
30245 21ST AVE S
Federal Way, WA

WAI201600497252
WA HPI

Historic ID: 315986
Tax Parcel ID: 7982900130
Year Built: 1968
Registry Status: Not Determined

BN620
South
1/4-1/2 mi
2560

ReMax & Zaran Sayre Property Management
30504 Pacific Hwy S
Federal Way, WA 98003

WAI201600318372
WA HPI

Historic ID: 673478
Tax Parcel ID: 2558170010
Year Built: 1962
Registry Status: Determined Not Eligible

BL621
North
1/4-1/2 mi
2563

Not Reported
28835 PACIFIC HWY S
Federal Way, WA

WAI201600392735
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	340374	
	Tax Parcel ID:	0421049047	
	Year Built:	1928	
	Registry Status:	Not Determined	
BM622 **East** **1/4-1/2 mi** **2566**	**Not Reported** **29817 24TH PL S** **Federal Way, WA**		**WAI201600214236** **WA HPI**
	Historic ID:	324788	
	Tax Parcel ID:	7682200020	
	Year Built:	1967	
	Registry Status:	Not Determined	
CE623 **WSW** **1/4-1/2 mi** **2568**	**Not Reported** **29837 8TH PL S** **Federal Way, WA**		**WAI201600210294** **WA HPI**
	Historic ID:	313873	
	Tax Parcel ID:	5151600115	
	Year Built:	1962	
	Registry Status:	Not Determined	
CB624 **WNW** **1/4-1/2 mi** **2571**	**Not Reported** **924 S 295TH PL** **Federal Way, WA**		**WAI201600131402** **WA HPI**
	Historic ID:	397869	
	Tax Parcel ID:	5151800095	
	Year Built:	1966	
	Registry Status:	Not Determined	
BY625 **SE** **1/4-1/2 mi** **2571**	**Not Reported** **30211 23RD AVE S** **Federal Way, WA**		**WAI201600207189** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 304734
Tax Parcel ID: 0421049192
Year Built: 1965
Registry Status: Not Determined

BM626
East
1/4-1/2 mi
2574

Not Reported
29829 24TH PL S
Federal Way, WA

WAI201600497207
WA HPI

Historic ID: 315846
Tax Parcel ID: 7682200040
Year Built: 1966
Registry Status: Not Determined

CF627
East
1/4-1/2 mi
2575

Not Reported
2403 S 298TH ST
Federal Way, WA

WAI201600425471
WA HPI

Historic ID: 398880
Tax Parcel ID: 7683800230
Year Built: 1966
Registry Status: Not Determined

BM628
East
1/4-1/2 mi
2573

Not Reported
29809 24TH PL S
Federal Way, WA

WAI201600138450
WA HPI

Historic ID: 399860
Tax Parcel ID: 7682200010
Year Built: 1967
Registry Status: Not Determined

BN629
South
1/4-1/2 mi
2575

Not Reported
30504 PACIFIC HWY S
Federal Way, WA

WAI201600392270
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	339434	
	Tax Parcel ID:	2558170010	
	Year Built:	1962	
	Registry Status:	Not Determined	
BX630 **SE** **1/4-1/2 mi** **2581**	**Not Reported** **30242 21ST AVE S** **Federal Way, WA**		**WAI201600499530** **WA HPI**
	Historic ID:	322081	
	Tax Parcel ID:	7982900110	
	Year Built:	1969	
	Registry Status:	Not Determined	
BO631 **NNE** **1/4-1/2 mi** **2583**	**Not Reported** **29104 20TH AVE S** **Federal Way, WA**		**WAI201600418503** **WA HPI**
	Historic ID:	396818	
	Tax Parcel ID:	4222800220	
	Year Built:	1966	
	Registry Status:	Not Determined	
BO632 **NNE** **1/4-1/2 mi** **2585**	**Not Reported** **2009 S 291ST ST** **Federal Way, WA**		**WAI201600315661** **WA HPI**
	Historic ID:	391257	
	Tax Parcel ID:	4222800230	
	Year Built:	1966	
	Registry Status:	Not Determined	
BQ633 **NE** **1/4-1/2 mi** **2585**	**Not Reported** **2220 S 292ND ST** **Federal Way, WA**		**WAI201600354617** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 326986 Tax Parcel ID: 4222900050 Year Built: 1968 Registry Status: Not Determined	
BM634 **East** **1/4-1/2 mi** **2587**	**Not Reported** **29825 24TH PL S** **Federal Way, WA**	**WAI201600210864** **WA HPI**
	Historic ID: 315005 Tax Parcel ID: 7682200030 Year Built: 1966 Registry Status: Not Determined	
BT635 **SW** **1/4-1/2 mi** **2588**	**Not Reported** **30303 10TH AVE S** **Federal Way, WA**	**WAI201600495598** **WA HPI**
	Historic ID: 311098 Tax Parcel ID: 5153700070 Year Built: 1968 Registry Status: Not Determined	
BO636 **NNE** **1/4-1/2 mi** **2590**	**Not Reported** **2015 S 291ST ST** **Federal Way, WA**	**WAI201600207264** **WA HPI**
	Historic ID: 304809 Tax Parcel ID: 4222800240 Year Built: 1966 Registry Status: Not Determined	
BV637 **WNW** **1/4-1/2 mi** **2591**	**Not Reported** **927 S 294TH PL** **Federal Way, WA**	**WAI201600418910** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	397700	
	Tax Parcel ID:	5152400110	
	Year Built:	1962	
	Registry Status:	Not Determined	
CA638 **NNE** **1/4-1/2 mi** **2594**	**Not Reported** **29002 19TH AVE S** **Federal Way, WA**		**WAI201600025535** **WA HPI**
	Historic ID:	390668	
	Tax Parcel ID:	4223000180	
	Year Built:	1966	
	Registry Status:	Not Determined	
CE639 **West** **1/4-1/2 mi** **2598**	**Not Reported** **29815 8TH PL S** **Federal Way, WA**		**WAI201600207390** **WA HPI**
	Historic ID:	305124	
	Tax Parcel ID:	5151600105	
	Year Built:	1959	
	Registry Status:	Not Determined	
BO640 **NNE** **1/4-1/2 mi** **2598**	**Not Reported** **2021 S 291ST ST** **Federal Way, WA**		**WAI201600425676** **WA HPI**
	Historic ID:	399275	
	Tax Parcel ID:	4222800250	
	Year Built:	1966	
	Registry Status:	Not Determined	
BM641 **East** **1/4-1/2 mi** **2601**	**Not Reported** **29835 24TH PL S** **Federal Way, WA**		**WAI201600499888** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	324338	
	Tax Parcel ID:	7682200050	
	Year Built:	1966	
	Registry Status:	Not Determined	
CC642 **NE** **1/4-1/2 mi** **2604**	**Not Reported** **2237 S 292ND ST** **Federal Way, WA**		**WAI201600138001** **WA HPI**
	Historic ID:	398946	
	Tax Parcel ID:	4222900240	
	Year Built:	1968	
	Registry Status:	Not Determined	
BU643 **SW** **1/4-1/2 mi** **2607**	**Not Reported** **30404 11TH AVE S** **Federal Way, WA**		**WAI201600494052** **WA HPI**
	Historic ID:	306404	
	Tax Parcel ID:	0919000240	
	Year Built:	1966	
	Registry Status:	Not Determined	
CE644 **WSW** **1/4-1/2 mi** **2607**	**Not Reported** **820 S 300TH ST** **Federal Way, WA**		**WAI201600214326** **WA HPI**
	Historic ID:	324973	
	Tax Parcel ID:	5151600120	
	Year Built:	1960	
	Registry Status:	Not Determined	
BT645 **WSW** **1/4-1/2 mi** **2608**	**Not Reported** **30304 9TH AVE S** **Federal Way, WA**		**WAI201600131519** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 398172
Tax Parcel ID: 5153650100
Year Built: 1969
Registry Status: Not Determined

BP646
North
1/4-1/2 mi
2609

Not Reported
28839 18TH AVE S
Federal Way, WA

WAI201600417924
WA HPI

Historic ID: 395668
Tax Parcel ID: 5462800091
Year Built: 1957
Registry Status: Not Determined

BS647
WNW
1/4-1/2 mi
2608

Not Reported
824 S 296TH PL
Federal Way, WA

WAI201600214968
WA HPI

Historic ID: 326180
Tax Parcel ID: 5151600575
Year Built: 1959
Registry Status: Not Determined

BL648
North
1/4-1/2 mi
2612

Verrazano's Italian Restaurant
28835 Pacific Hwy S
Federal Way, WA 98003

WAI201600324776
WA HPI

Historic ID: 673326
Tax Parcel ID: 0421049047
Year Built: 1928
Registry Status: Determined Not Eligible

BQ649
NE
1/4-1/2 mi
2613

Not Reported
2029 S 291ST ST
Federal Way, WA

WAI201600211743
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	318244	
	Tax Parcel ID:	4222700150	
	Year Built:	1966	
	Registry Status:	Not Determined	
BV650 **NW** **1/4-1/2 mi** **2615**	**Not Reported** **940 S 294TH PL** **Federal Way, WA**		**WAI201600207728** **WA HPI**
	Historic ID:	305741	
	Tax Parcel ID:	5152400070	
	Year Built:	1963	
	Registry Status:	Not Determined	
CD651 **ESE** **1/4-1/2 mi** **2620**	**Not Reported** **29843 24TH PL S** **Federal Way, WA**		**WAI201600213694** **WA HPI**
	Historic ID:	323683	
	Tax Parcel ID:	7682200060	
	Year Built:	1966	
	Registry Status:	Not Determined	
BZ652 **WSW** **1/4-1/2 mi** **2623**	**Not Reported** **30024 8TH PL S** **Federal Way, WA**		**WAI201600493398** **WA HPI**
	Historic ID:	305079	
	Tax Parcel ID:	5149800040	
	Year Built:	1960	
	Registry Status:	Not Determined	
BP653 **NNE** **1/4-1/2 mi** **2624**	**Not Reported** **28838 18TH AVE S** **Federal Way, WA**		**WAI201600425834** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	399623	
	Tax Parcel ID:	5462800020	
	Year Built:	1957	
	Registry Status:	Not Determined	
BQ654 **NE** **1/4-1/2 mi** **2624**	**Not Reported** **2201 S 291ST ST** **Federal Way, WA**		**WAI201600208317** **WA HPI**
	Historic ID:	306897	
	Tax Parcel ID:	4222700160	
	Year Built:	1964	
	Registry Status:	Not Determined	
BQ655 **NE** **1/4-1/2 mi** **2627**	**Not Reported** **2228 S 292ND ST** **Federal Way, WA**		**WAI201600315533** **WA HPI**
	Historic ID:	390939	
	Tax Parcel ID:	4222900040	
	Year Built:	1968	
	Registry Status:	Not Determined	
CG656 **ESE** **1/4-1/2 mi** **2626**	**Not Reported** **30050 23RD AVE S** **Federal Way, WA**		**WAI201600129244** **WA HPI**
	Historic ID:	393664	
	Tax Parcel ID:	0421049204	
	Year Built:	1954	
	Registry Status:	Not Determined	
CH657 **WNW** **1/4-1/2 mi** **2628**	**Not Reported** **29527 9TH PL S** **Federal Way, WA**		**WAI201600138010** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	398955	
	Tax Parcel ID:	5152100090	
	Year Built:	1965	
	Registry Status:	Not Determined	
BT658 **SW** **1/4-1/2 mi** **2631**	**Not Reported** **30311 10TH AVE S** **Federal Way, WA**		**WAI201600063499** **WA HPI**
	Historic ID:	312191	
	Tax Parcel ID:	5153700060	
	Year Built:	1968	
	Registry Status:	Not Determined	
BS659 **West** **1/4-1/2 mi** **2631**	**Not Reported** **29616 8TH AVE S** **Federal Way, WA**		**WAI201600354480** **WA HPI**
	Historic ID:	326658	
	Tax Parcel ID:	5151600220	
	Year Built:	1961	
	Registry Status:	Not Determined	
BR660 **NW** **1/4-1/2 mi** **2635**	**Not Reported** **28950 11TH AVE S** **Federal Way, WA**		**WAI201600353443** **WA HPI**
	Historic ID:	316997	
	Tax Parcel ID:	7205700070	
	Year Built:	1962	
	Registry Status:	Not Determined	
BR661 **NW** **1/4-1/2 mi** **2633**	**Not Reported** **28965 11TH AVE S** **Federal Way, WA**		**WAI201600419102** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	398082	
	Tax Parcel ID:	5152300010	
	Year Built:	1962	
	Registry Status:	Not Determined	
CG662 **ESE** **1/4-1/2 mi** **2634**	**Not Reported** **2304 S 302ND ST** **Federal Way, WA**		**WAI201600063421** **WA HPI**
	Historic ID:	312020	
	Tax Parcel ID:	0421049131	
	Year Built:	1958	
	Registry Status:	Not Determined	
CD663 **ESE** **1/4-1/2 mi** **2634**	**Not Reported** **29849 24TH PL S** **Federal Way, WA**		**WAI201600496490** **WA HPI**
	Historic ID:	314362	
	Tax Parcel ID:	7682200070	
	Year Built:	1967	
	Registry Status:	Not Determined	
CE664 **WSW** **1/4-1/2 mi** **2635**	**Not Reported** **30005 8TH PL S** **Federal Way, WA**		**WAI201600417766** **WA HPI**
	Historic ID:	395320	
	Tax Parcel ID:	5149800070	
	Year Built:	1960	
	Registry Status:	Not Determined	
BY665 **SE** **1/4-1/2 mi** **2635**	**Not Reported** **30219 23RD AVE S** **Federal Way, WA**		**WAI201600353186** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	316453	
	Tax Parcel ID:	0421049171	
	Year Built:	1963	
	Registry Status:	Not Determined	
CA666 **NNE** **1/4-1/2 mi** **2639**	**Not Reported** **1816 S 290TH ST** **Federal Way, WA**		**WAI201600128092** **WA HPI**
	Historic ID:	389799	
	Tax Parcel ID:	4223000060	
	Year Built:	1966	
	Registry Status:	Not Determined	
BQ667 **NE** **1/2-1 mi** **2640**	**Not Reported** **2207 S 291ST ST** **Federal Way, WA**		**WAI201600354212** **WA HPI**
	Historic ID:	323073	
	Tax Parcel ID:	4222700170	
	Year Built:	1964	
	Registry Status:	Not Determined	
CB668 **WNW** **1/4-1/2 mi** **2640**	**Not Reported** **29426 9TH PL S** **Federal Way, WA**		**WAI201600351189** **WA HPI**
	Historic ID:	303561	
	Tax Parcel ID:	5151800100	
	Year Built:	1960	
	Registry Status:	Not Determined	
CA669 **NNE** **1/2-1 mi** **2641**	**Not Reported** **1921 S 291ST PL** **Federal Way, WA**		**WAI201600211816** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	318410	
	Tax Parcel ID:	4223000210	
	Year Built:	1966	
	Registry Status:	Not Determined	
BT670 **SW** **1/2-1 mi** **2642**	**Not Reported** **30308 9TH AVE S** **Federal Way, WA**		**WAI201600494460** **WA HPI**
	Historic ID:	308804	
	Tax Parcel ID:	5153650090	
	Year Built:	1969	
	Registry Status:	Not Determined	
BT671 **WSW** **1/2-1 mi** **2643**	**Not Reported** **30300 9TH AVE S** **Federal Way, WA**		**WAI201600351242** **WA HPI**
	Historic ID:	303709	
	Tax Parcel ID:	5153650110	
	Year Built:	1969	
	Registry Status:	Not Determined	
672 **SSE** **1/2-1 mi** **2644**	**Not Reported** **1761 S 305TH PL** **Federal Way, WA**		**WAI201600102384** **WA HPI**
	Historic ID:	334644	
	Tax Parcel ID:	2558170070	
	Year Built:	1969	
	Registry Status:	Not Determined	
BS673 **West** **1/2-1 mi** **2647**	**Not Reported** **29604 8TH AVE S** **Federal Way, WA**		**WAI201600493404** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	305085	
	Tax Parcel ID:	5151600225	
	Year Built:	1959	
	Registry Status:	Not Determined	
CD674 **ESE** **1/2-1 mi** **2647**	**Not Reported** **29855 24TH PL S** **Federal Way, WA**		**WAI201600025497** **WA HPI**
	Historic ID:	390630	
	Tax Parcel ID:	7682200080	
	Year Built:	1967	
	Registry Status:	Not Determined	
BZ675 **WSW** **1/2-1 mi** **2654**	**Not Reported** **830 S 301ST PL** **Federal Way, WA**		**WAI201600501016** **WA HPI**
	Historic ID:	326621	
	Tax Parcel ID:	5152200040	
	Year Built:	1968	
	Registry Status:	Not Determined	
CI676 **West** **1/2-1 mi** **2659**	**Not Reported** **810 S 297TH PL** **Federal Way, WA**		**WAI201600499302** **WA HPI**
	Historic ID:	321661	
	Tax Parcel ID:	5151600200	
	Year Built:	1957	
	Registry Status:	Not Determined	
CI677 **West** **1/2-1 mi** **2662**	**Not Reported** **29636 8TH AVE S** **Federal Way, WA**		**WAI201600351238** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	303705	
	Tax Parcel ID:	5151600205	
	Year Built:	1959	
	Registry Status:	Not Determined	
CA678 **NNE** **1/2-1 mi** **2661**	**Not Reported** **28912 19TH AVE S** **Federal Way, WA**		**WAI201600315553** **WA HPI**
	Historic ID:	390959	
	Tax Parcel ID:	4223000190	
	Year Built:	1966	
	Registry Status:	Not Determined	
BQ679 **NE** **1/2-1 mi** **2662**	**Not Reported** **2213 S 291ST ST** **Federal Way, WA**		**WAI201600026158** **WA HPI**
	Historic ID:	391942	
	Tax Parcel ID:	4222700180	
	Year Built:	1968	
	Registry Status:	Not Determined	
CB680 **WNW** **1/2-1 mi** **2667**	**Not Reported** **917 S 294TH PL** **Federal Way, WA**		**WAI201600063762** **WA HPI**
	Historic ID:	312736	
	Tax Parcel ID:	5152400120	
	Year Built:	1968	
	Registry Status:	Not Determined	
CI681 **West** **1/2-1 mi** **2667**	**Not Reported** **29628 8TH AVE S** **Federal Way, WA**		**WAI201600353868** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 322438
Tax Parcel ID: 5151600210
Year Built: 1960
Registry Status: Not Determined

CH682
WNW
1/2-1 mi
2667

1961 Parade of Homes - Horizon Home
29511 9TH PL S
Federal Way, WA

WAI201600130446
WA HPI

Historic ID: 395983
Tax Parcel ID: 5152100100
Year Built: 1961
Registry Status: Not Determined

BU683
SW
1/2-1 mi
2665

Not Reported
30412 11TH AVE S
Federal Way, WA

WAI201600209359
WA HPI

Historic ID: 310488
Tax Parcel ID: 0919000235
Year Built: 1966
Registry Status: Not Determined

CI684
West
1/2-1 mi
2668

Not Reported
29620 8TH AVE S
Federal Way, WA

WAI201600497465
WA HPI

Historic ID: 317906
Tax Parcel ID: 5151600215
Year Built: 1959
Registry Status: Not Determined

CC685
NE
1/2-1 mi
2669

Not Reported
2241 S 292ND ST
Federal Way, WA

WAI201600495036
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	309958	
	Tax Parcel ID:	4222900250	
	Year Built:	1968	
	Registry Status:	Not Determined	
CI686 **West** **1/2-1 mi** **2673**	**Not Reported** **804 S 297TH PL** **Federal Way, WA**		**WAI201600425755** **WA HPI**
	Historic ID:	399449	
	Tax Parcel ID:	5151600195	
	Year Built:	1958	
	Registry Status:	Not Determined	
CE687 **West** **1/2-1 mi** **2675**	**Not Reported** **29805 8TH PL S** **Federal Way, WA**		**WAI201600498983** **WA HPI**
	Historic ID:	320955	
	Tax Parcel ID:	5151600100	
	Year Built:	1958	
	Registry Status:	Not Determined	
CJ688 **WSW** **1/2-1 mi** **2672**	**Not Reported** **30013 8TH PL S** **Federal Way, WA**		**WAI201600415832** **WA HPI**
	Historic ID:	389887	
	Tax Parcel ID:	5149800060	
	Year Built:	1960	
	Registry Status:	Not Determined	
CC689 **NE** **1/2-1 mi** **2680**	**Not Reported** **2234 S 292ND ST** **Federal Way, WA**		**WAI201600425846** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 399635 Tax Parcel ID: 4222900030 Year Built: 1968 Registry Status: Not Determined	
BY690 **ESE** **1/2-1 mi** **2691**	**Not Reported** **30202 23RD AVE S** **Federal Way, WA**	**WAI201600212363** **WA HPI**
	Historic ID: 319518 Tax Parcel ID: 0421049130 Year Built: 1959 Registry Status: Not Determined	
CC691 **NE** **1/2-1 mi** **2694**	**Not Reported** **2219 S 291ST ST** **Federal Way, WA**	**WAI201600064742** **WA HPI**
	Historic ID: 322210 Tax Parcel ID: 4222700190 Year Built: 1967 Registry Status: Not Determined	
CA692 **NNE** **1/2-1 mi** **2695**	**Not Reported** **1920 S 291ST PL** **Federal Way, WA**	**WAI201600064783** **WA HPI**
	Historic ID: 322344 Tax Parcel ID: 4223000220 Year Built: 1966 Registry Status: Not Determined	
CJ693 **WSW** **1/2-1 mi** **2699**	**Not Reported** **30019 8TH PL S** **Federal Way, WA**	**WAI201600315363** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	390579	
	Tax Parcel ID:	5149800050	
	Year Built:	1960	
	Registry Status:	Not Determined	
BV694 **WNW** **1/2-1 mi** **2702**	**Not Reported** **930 S 294TH PL** **Federal Way, WA**		**WAI201600418229** **WA HPI**
	Historic ID:	396259	
	Tax Parcel ID:	5152400060	
	Year Built:	1963	
	Registry Status:	Not Determined	
BR695 **NW** **1/2-1 mi** **2704**	**Not Reported** **28944 11TH AVE S** **Federal Way, WA**		**WAI201600138457** **WA HPI**
	Historic ID:	399867	
	Tax Parcel ID:	7205700080	
	Year Built:	1962	
	Registry Status:	Not Determined	
CK696 **ENE** **1/2-1 mi** **2702**	**Not Reported** **2343 S 292ND ST** **Federal Way, WA**		**WAI201600208212** **WA HPI**
	Historic ID:	306698	
	Tax Parcel ID:	4222600090	
	Year Built:	1964	
	Registry Status:	Not Determined	
CA697 **NNE** **1/2-1 mi** **2708**	**Not Reported** **28907 19TH AVE S** **Federal Way, WA**		**WAI201600138882** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	400664	
	Tax Parcel ID:	4223000050	
	Year Built:	1966	
	Registry Status:	Not Determined	
CL698 **North** **1/2-1 mi** **2709**	**Not Reported** **28829 18TH AVE S** **Federal Way, WA**		**WAI201600496722** **WA HPI**
	Historic ID:	314882	
	Tax Parcel ID:	5462800096	
	Year Built:	1957	
	Registry Status:	Not Determined	
CE699 **West** **1/2-1 mi** **2710**	**Not Reported** **29824 8TH AVE S** **Federal Way, WA**		**WAI201600213529** **WA HPI**
	Historic ID:	321813	
	Tax Parcel ID:	5151600090	
	Year Built:	1959	
	Registry Status:	Not Determined	
CA700 **NNE** **1/2-1 mi** **2711**	**Not Reported** **28917 20TH AVE S** **Federal Way, WA**		**WAI201600129891** **WA HPI**
	Historic ID:	394869	
	Tax Parcel ID:	4222800150	
	Year Built:	1966	
	Registry Status:	Not Determined	
CL701 **NNE** **1/2-1 mi** **2714**	**Not Reported** **28830 18TH AVE S** **Federal Way, WA**		**WAI201600128969** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

Historic ID: 393110
Tax Parcel ID: 5462800015
Year Built: 1957
Registry Status: Not Determined

CE702
West
1/2-1 mi
2715

Not Reported
29814 8TH AVE S
Federal Way, WA

WAI201600137950
WA HPI

Historic ID: 398802
Tax Parcel ID: 5151600095
Year Built: 1959
Registry Status: Not Determined

CK703
ENE
1/2-1 mi
2718

Not Reported
2349 S 292ND ST
Federal Way, WA

WAI201600493117
WA HPI

Historic ID: 304510
Tax Parcel ID: 4222600100
Year Built: 1966
Registry Status: Not Determined

CL704
North
1/2-1 mi
2718

Not Reported
28822 PACIFIC HWY S
Federal Way, WA

WAI201600016038
WA HPI

Historic ID: 337029
Tax Parcel ID: 0421049026
Year Built: 1966
Registry Status: Not Determined

CC705
NE
1/2-1 mi
2721

Not Reported
29205 23RD AVE S
Federal Way, WA

WAI201600215211
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	328216	
	Tax Parcel ID:	4222600030	
	Year Built:	1964	
	Registry Status:	Not Determined	
CG706 **ESE** **1/2-1 mi** **2721**	**Not Reported** **2320 S 302ND ST** **Federal Way, WA**		**WAI201600138120** **WA HPI**
	Historic ID:	399158	
	Tax Parcel ID:	0421049211	
	Year Built:	1959	
	Registry Status:	Not Determined	
CM707 **NNE** **1/2-1 mi** **2723**	**Not Reported** **2001 S 291ST ST** **Federal Way, WA**		**WAI201600063391** **WA HPI**
	Historic ID:	311990	
	Tax Parcel ID:	4222800270	
	Year Built:	1966	
	Registry Status:	Not Determined	
CN708 **SW** **1/2-1 mi** **2723**	**Not Reported** **30405 11TH AVE S** **Federal Way, WA**		**WAI201600062348** **WA HPI**
	Historic ID:	304051	
	Tax Parcel ID:	0919000320	
	Year Built:	1966	
	Registry Status:	Not Determined	
CO709 **NW** **1/2-1 mi** **2723**	**Not Reported** **952 S 293RD ST** **Federal Way, WA**		**WAI201600417106** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	393995	
	Tax Parcel ID:	5152800070	
	Year Built:	1968	
	Registry Status:	Not Determined	
BY710 **SE** **1/2-1 mi** **2723**	**Not Reported** **30239 23RD AVE S** **Federal Way, WA**		**WAI201600497481** **WA HPI**
	Historic ID:	317922	
	Tax Parcel ID:	0421049145	
	Year Built:	1921	
	Registry Status:	Not Determined	
CE711 **WSW** **1/2-1 mi** **2727**	**Not Reported** **29832 8TH AVE S** **Federal Way, WA**		**WAI201600065465** **WA HPI**
	Historic ID:	326716	
	Tax Parcel ID:	5151600085	
	Year Built:	1961	
	Registry Status:	Not Determined	
CF712 **East** **1/2-1 mi** **2728**	**Not Reported** **29800 24TH PL S** **Federal Way, WA**		**WAI201600209069** **WA HPI**
	Historic ID:	309911	
	Tax Parcel ID:	7682200160	
	Year Built:	1966	
	Registry Status:	Not Determined	
CH713 **WNW** **1/2-1 mi** **2728**	**Not Reported** **29505 9TH PL S** **Federal Way, WA**		**WAI201600361027** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 327925
Tax Parcel ID: 5152100110
Year Built: 1966
Registry Status: Not Determined

BU714
SW
1/2-1 mi
2728

Not Reported
30420 11TH AVE S
Federal Way, WA

WAI201600497728
WA HPI

Historic ID: 318456
Tax Parcel ID: 0919000230
Year Built: 1966
Registry Status: Not Determined

CF715
East
1/2-1 mi
2730

Not Reported
29810 24TH PL S
Federal Way, WA

WAI201600129570
WA HPI

Historic ID: 394269
Tax Parcel ID: 7682200150
Year Built: 1966
Registry Status: Not Determined

CP716
South
1/2-1 mi
2730

View at the Lake Apartments
30602 Pacific Hwy S
Federal Way, WA 98003

WAI201600318371
WA HPI

Historic ID: 673477
Tax Parcel ID: 0921049124
Year Built: 1969
Registry Status: Determined Not Eligible

CM717
NNE
1/2-1 mi
2731

Not Reported
2016 S 291ST ST
Federal Way, WA

WAI201600130345
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	395789	
	Tax Parcel ID:	4222800260	
	Year Built:	1966	
	Registry Status:	Not Determined	
CK718 **ENE** **1/2-1 mi** **2731**	**Not Reported** **2339 S 292ND ST** **Federal Way, WA**		**WAI201600130129** **WA HPI**
	Historic ID:	395386	
	Tax Parcel ID:	4222600080	
	Year Built:	1968	
	Registry Status:	Not Determined	
BX719 **SE** **1/2-1 mi** **2731**	**Not Reported** **2206 S 304TH ST** **Federal Way, WA**		**WAI201600425943** **WA HPI**
	Historic ID:	399827	
	Tax Parcel ID:	0421049156	
	Year Built:	1963	
	Registry Status:	Not Determined	
CA720 **NNE** **1/2-1 mi** **2733**	**Not Reported** **28904 19TH AVE S** **Federal Way, WA**		**WAI201600212419** **WA HPI**
	Historic ID:	319667	
	Tax Parcel ID:	4223000240	
	Year Built:	1966	
	Registry Status:	Not Determined	
CF721 **East** **1/2-1 mi** **2734**	**Not Reported** **29818 24TH PL S** **Federal Way, WA**		**WAI201600500950** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 326460
Tax Parcel ID: 7682200140
Year Built: 1966
Registry Status: Not Determined

CA722
NNE
1/2-1 mi
2736

Not Reported
1924 S 291ST ST
Federal Way, WA

WAI201600211159
WA HPI

Historic ID: 315583
Tax Parcel ID: 4223000230
Year Built: 1966
Registry Status: Not Determined

CC723
NE
1/2-1 mi
2738

Not Reported
2240 S 292ND ST
Federal Way, WA

WAI201600211972
WA HPI

Historic ID: 318753
Tax Parcel ID: 4222900020
Year Built: 1968
Registry Status: Not Determined

CL724
North
1/2-1 mi
2740

Crestwood Animal Hospital
28822 Pacific Hwy S
Federal Way, WA 98003

WAI201600028573
WA HPI

Historic ID: 673435
Tax Parcel ID: 0421049026
Year Built: 1966
Registry Status: Determined Not Eligible

CF725
East
1/2-1 mi
2743

Not Reported
29826 24TH PL S
Federal Way, WA

WAI201600215192
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	328197	
	Tax Parcel ID:	7682200130	
	Year Built:	1966	
	Registry Status:	Not Determined	
CM726 **NNE** **1/2-1 mi** **2744**	**Not Reported** **2030 S 291ST PL** **Federal Way, WA**		**WAI201600211988** **WA HPI**
	Historic ID:	318769	
	Tax Parcel ID:	4222700010	
	Year Built:	1964	
	Registry Status:	Not Determined	
CC727 **NE** **1/2-1 mi** **2748**	**Not Reported** **2225 S 291ST ST** **Federal Way, WA**		**WAI201600495164** **WA HPI**
	Historic ID:	310181	
	Tax Parcel ID:	4222700200	
	Year Built:	1968	
	Registry Status:	Not Determined	
CE728 **WSW** **1/2-1 mi** **2752**	**Not Reported** **29840 8TH AVE S** **Federal Way, WA**		**WAI201600062576** **WA HPI**
	Historic ID:	307393	
	Tax Parcel ID:	5151600080	
	Year Built:	1960	
	Registry Status:	Not Determined	
BZ729 **WSW** **1/2-1 mi** **2753**	**Not Reported** **822 S 301ST PL** **Federal Way, WA**		**WAI201600493298** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	304883	
	Tax Parcel ID:	5152200030	
	Year Built:	1961	
	Registry Status:	Not Determined	
CA730 **NNE** **1/2-1 mi** **2753**	**Not Reported** **1911 S 289TH ST** **Federal Way, WA**		**WAI201600063776** **WA HPI**
	Historic ID:	312750	
	Tax Parcel ID:	4223000250	
	Year Built:	1966	
	Registry Status:	Not Determined	
CD731 **East** **1/2-1 mi** **2754**	**Not Reported** **29832 24TH PL S** **Federal Way, WA**		**WAI201600213937** **WA HPI**
	Historic ID:	324207	
	Tax Parcel ID:	7682200120	
	Year Built:	1968	
	Registry Status:	Not Determined	
CH732 **West** **1/2-1 mi** **2755**	**Not Reported** **804 S 296TH PL** **Federal Way, WA**		**WAI201600493676** **WA HPI**
	Historic ID:	305642	
	Tax Parcel ID:	5151600565	
	Year Built:	1959	
	Registry Status:	Not Determined	
CB733 **WNW** **1/2-1 mi** **2760**	**Not Reported** **920 S 294TH PL** **Federal Way, WA**		**WAI201600426294** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	400558	
	Tax Parcel ID:	5152400050	
	Year Built:	1962	
	Registry Status:	Not Determined	
CG734 **ESE** **1/2-1 mi** **2766**	**Not Reported** **2321 S 302ND ST** **Federal Way, WA**		**WAI201600210109** **WA HPI**
	Historic ID:	313502	
	Tax Parcel ID:	0421049148	
	Year Built:	1961	
	Registry Status:	Not Determined	
CD735 **East** **1/2-1 mi** **2770**	**Not Reported** **29838 24TH PL S** **Federal Way, WA**		**WAI201600212042** **WA HPI**
	Historic ID:	318917	
	Tax Parcel ID:	7682200110	
	Year Built:	1966	
	Registry Status:	Not Determined	
CK736 **NE** **1/2-1 mi** **2773**	**Not Reported** **2333 S 292ND ST** **Federal Way, WA**		**WAI201600419033** **WA HPI**
	Historic ID:	397918	
	Tax Parcel ID:	4222600070	
	Year Built:	1964	
	Registry Status:	Not Determined	
CJ737 **WSW** **1/2-1 mi** **2778**	**Not Reported** **30004 8TH AVE S** **Federal Way, WA**		**WAI201600208235** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	306815	
	Tax Parcel ID:	5149800080	
	Year Built:	1960	
	Registry Status:	Not Determined	
BY738 **SE** **1/2-1 mi** **2775**	**Not Reported** **30224 23RD AVE S** **Federal Way, WA**		**WAI201600495658** **WA HPI**
	Historic ID:	311158	
	Tax Parcel ID:	0421049113	
	Year Built:	1954	
	Registry Status:	Not Determined	
CM739 **NNE** **1/2-1 mi** **2776**	**Not Reported** **28911 20TH AVE S** **Federal Way, WA**		**WAI201600353153** **WA HPI**
	Historic ID:	316420	
	Tax Parcel ID:	4222800140	
	Year Built:	1966	
	Registry Status:	Not Determined	
CL740 **NNE** **1/2-1 mi** **2777**	**Not Reported** **28901 19TH AVE S** **Federal Way, WA**		**WAI201600352624** **WA HPI**
	Historic ID:	312299	
	Tax Parcel ID:	4223000040	
	Year Built:	1966	
	Registry Status:	Not Determined	
CH741 **WNW** **1/2-1 mi** **2781**	**Not Reported** **815 S 295TH PL** **Federal Way, WA**		**WAI201600426302** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	400566	
	Tax Parcel ID:	5152100120	
	Year Built:	1967	
	Registry Status:	Not Determined	
CO742 **NW** **1/2-1 mi** **2781**	**Not Reported** **28938 11TH AVE S** **Federal Way, WA**		**WAI201600496944** **WA HPI**
	Historic ID:	315295	
	Tax Parcel ID:	7205700090	
	Year Built:	1968	
	Registry Status:	Not Determined	
CQ743 **NE** **1/2-1 mi** **2779**	**Not Reported** **29014 22ND AVE S** **Federal Way, WA**		**WAI201600213655** **WA HPI**
	Historic ID:	323644	
	Tax Parcel ID:	4222700270	
	Year Built:	1964	
	Registry Status:	Not Determined	
CD744 **ESE** **1/2-1 mi** **2784**	**Not Reported** **29846 24TH PL S** **Federal Way, WA**		**WAI201600025898** **WA HPI**
	Historic ID:	391403	
	Tax Parcel ID:	7682200100	
	Year Built:	1966	
	Registry Status:	Not Determined	
CA745 **NNE** **1/2-1 mi** **2785**	**Not Reported** **1917 S 289TH ST** **Federal Way, WA**		**WAI201600064848** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	322409	
	Tax Parcel ID:	4223000260	
	Year Built:	1966	
	Registry Status:	Not Determined	
BZ746 **WSW** **1/2-1 mi** **2788**	**Not Reported** **825 S 301ST PL** **Federal Way, WA**		**WAI201600494514** **WA HPI**
	Historic ID:	308858	
	Tax Parcel ID:	5152200060	
	Year Built:	1962	
	Registry Status:	Not Determined	
CN747 **SSW** **1/2-1 mi** **2787**	**Not Reported** **30426 11TH AVE S** **Federal Way, WA**		**WAI201600128751** **WA HPI**
	Historic ID:	392613	
	Tax Parcel ID:	0919000225	
	Year Built:	1966	
	Registry Status:	Not Determined	
CN748 **SW** **1/2-1 mi** **2790**	**Not Reported** **30413 11TH AVE S** **Federal Way, WA**		**WAI201600352745** **WA HPI**
	Historic ID:	312610	
	Tax Parcel ID:	0919000315	
	Year Built:	1966	
	Registry Status:	Not Determined	
CF749 **East** **1/2-1 mi** **2791**	**Not Reported** **2438 S 298TH ST** **Federal Way, WA**		**WAI201600498431** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	319828	
	Tax Parcel ID:	7683800051	
	Year Built:	1946	
	Registry Status:	Not Determined	
CC750 **NE** **1/2-1 mi** **2792**	**Not Reported** **2248 S 292ND ST** **Federal Way, WA**		**WAI201600211917** **WA HPI**
	Historic ID:	318605	
	Tax Parcel ID:	4222900010	
	Year Built:	1968	
	Registry Status:	Not Determined	
CL751 **North** **1/2-1 mi** **2793**	**Not Reported** **28821 18TH AVE S** **Federal Way, WA**		**WAI201600352699** **WA HPI**
	Historic ID:	312469	
	Tax Parcel ID:	5462800101	
	Year Built:	1957	
	Registry Status:	Not Determined	
CG752 **ESE** **1/2-1 mi** **2793**	**Not Reported** **2328 S 302ND ST** **Federal Way, WA**		**WAI201600493065** **WA HPI**
	Historic ID:	304458	
	Tax Parcel ID:	0421049139	
	Year Built:	1967	
	Registry Status:	Not Determined	
CR753 **WNW** **1/2-1 mi** **2794**	**Not Reported** **824 S 295TH PL** **Federal Way, WA**		**WAI201600129068** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	393302	
	Tax Parcel ID:	5152100040	
	Year Built:	1967	
	Registry Status:	Not Determined	
CS754 **SE** **1/2-1 mi** **2795**	**Not Reported** **2216 S 304TH ST** **Federal Way, WA**		**WAI201600213645** **WA HPI**
	Historic ID:	323634	
	Tax Parcel ID:	0421049142	
	Year Built:	1959	
	Registry Status:	Not Determined	
CQ755 **NE** **1/2-1 mi** **2796**	**Not Reported** **2214 S 291ST ST** **Federal Way, WA**		**WAI201600211857** **WA HPI**
	Historic ID:	318544	
	Tax Parcel ID:	4222700260	
	Year Built:	1964	
	Registry Status:	Not Determined	
CT756 **SSE** **1/2-1 mi** **2798**	**Not Reported** **2017 S 304TH ST** **Federal Way, WA**		**WAI201600494761** **WA HPI**
	Historic ID:	309391	
	Tax Parcel ID:	0537000030	
	Year Built:	1933	
	Registry Status:	Not Determined	
CD757 **ESE** **1/2-1 mi** **2798**	**Not Reported** **29852 24TH PL S** **Federal Way, WA**		**WAI201600354147** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	323005	
	Tax Parcel ID:	7682200090	
	Year Built:	1966	
	Registry Status:	Not Determined	
CJ758 **WSW** **1/2-1 mi** **2801**	**Not Reported** **30012 8TH AVE S** **Federal Way, WA**		**WAI201600353262** **WA HPI**
	Historic ID:	316624	
	Tax Parcel ID:	5149800090	
	Year Built:	1961	
	Registry Status:	Not Determined	
CK759 **NE** **1/2-1 mi** **2800**	**Not Reported** **2325 S 292ND ST** **Federal Way, WA**		**WAI201600214738** **WA HPI**
	Historic ID:	325758	
	Tax Parcel ID:	4222600060	
	Year Built:	1968	
	Registry Status:	Not Determined	
CU760 **NE** **1/2-1 mi** **2802**	**Not Reported** **2305 S 292ND ST** **Federal Way, WA**		**WAI201600214050** **WA HPI**
	Historic ID:	324414	
	Tax Parcel ID:	4222600040	
	Year Built:	1964	
	Registry Status:	Not Determined	
CK761 **NE** **1/2-1 mi** **2801**	**Not Reported** **2315 S 292ND ST** **Federal Way, WA**		**WAI201600071786** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	327248	
	Tax Parcel ID:	4222600050	
	Year Built:	1964	
	Registry Status:	Not Determined	
CO762 **NW** **1/2-1 mi** **2803**	**Not Reported** **28949 11TH AVE S** **Federal Way, WA**		**WAI201600418612** **WA HPI**
	Historic ID:	397022	
	Tax Parcel ID:	7205700060	
	Year Built:	1962	
	Registry Status:	Not Determined	
CM763 **NNE** **1/2-1 mi** **2803**	**Not Reported** **28906 20TH AVE S** **Federal Way, WA**		**WAI201600130739** **WA HPI**
	Historic ID:	396555	
	Tax Parcel ID:	4222800280	
	Year Built:	1966	
	Registry Status:	Not Determined	
CL764 **NNE** **1/2-1 mi** **2804**	**Not Reported** **28822 18TH AVE S** **Federal Way, WA**		**WAI201600138620** **WA HPI**
	Historic ID:	400123	
	Tax Parcel ID:	5462800010	
	Year Built:	1957	
	Registry Status:	Not Determined	
CC765 **NE** **1/2-1 mi** **2805**	**Not Reported** **2231 S 291ST ST** **Federal Way, WA**		**WAI201600500237** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 325072
Tax Parcel ID: 4222700210
Year Built: 1966
Registry Status: Not Determined

CM766
NNE
1/2-1 mi
2809

Not Reported
29009 22ND AVE S
Federal Way, WA

WAI201600416916
WA HPI

Historic ID: 393615
Tax Parcel ID: 4222700020
Year Built: 1965
Registry Status: Not Determined

CA767
NNE
1/2-1 mi
2811

Not Reported
1923 S 289TH ST
Federal Way, WA

WAI201600208827
WA HPI

Historic ID: 309483
Tax Parcel ID: 4223000270
Year Built: 1966
Registry Status: Not Determined

CN768
SW
1/2-1 mi
2812

Not Reported
30404 10TH AVE S
Federal Way, WA

WAI201600499710
WA HPI

Historic ID: 323970
Tax Parcel ID: 0919000245
Year Built: 1966
Registry Status: Not Determined

769
SSW
1/2-1 mi
2819

Federal Way School, Federal Way High School
31031 Pacific Hwy S
Federal Way, WA 98003

WAI201600187693
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	85097	
	Tax Parcel ID:	0821049001	
	Year Built:	1929, 1930	
	Registry Status:	Determined Not Eligible, Not Determined	
CT770 **SSE** **1/2-1 mi** **2821**	**Not Reported** **2011 S 304TH ST** **Federal Way, WA**		**WAI201600499709** **WA HPI**
	Historic ID:	323969	
	Tax Parcel ID:	0537000020	
	Year Built:	1943	
	Registry Status:	Not Determined	
CF771 **East** **1/2-1 mi** **2823**	**Not Reported** **2437 S 298TH ST** **Federal Way, WA**		**WAI201600063695** **WA HPI**
	Historic ID:	312575	
	Tax Parcel ID:	7682200170	
	Year Built:	1967	
	Registry Status:	Not Determined	
CB772 **WNW** **1/2-1 mi** **2825**	**Not Reported** **912 S 294TH PL** **Federal Way, WA**		**WAI201600498244** **WA HPI**
	Historic ID:	319450	
	Tax Parcel ID:	5152400040	
	Year Built:	1968	
	Registry Status:	Not Determined	
CJ773 **WSW** **1/2-1 mi** **2827**	**Not Reported** **30018 8TH AVE S** **Federal Way, WA**		**WAI201600415954** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 390199 Tax Parcel ID: 5149800100 Year Built: 1960 Registry Status: Not Determined	
CF774 **East** **1/2-1 mi** **2831**	**Not Reported** **29811 25TH PL S** **Federal Way, WA**	**WAI201600026081** **WA HPI**
	Historic ID: 391772 Tax Parcel ID: 7682200180 Year Built: 1965 Registry Status: Not Determined	
CL775 **NNE** **1/2-1 mi** **2832**	**Not Reported** **28819 19TH AVE S** **Federal Way, WA**	**WAI201600209503** **WA HPI**
	Historic ID: 310819 Tax Parcel ID: 4223000030 Year Built: 1966 Registry Status: Not Determined	
CQ776 **NE** **1/2-1 mi** **2837**	**Not Reported** **2222 S 291ST ST** **Federal Way, WA**	**WAI201600131759** **WA HPI**
	Historic ID: 398598 Tax Parcel ID: 4222700250 Year Built: 1966 Registry Status: Not Determined	
CM777 **NNE** **1/2-1 mi** **2841**	**Not Reported** **1929 S 289TH ST** **Federal Way, WA**	**WAI201600128860** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	392908	
	Tax Parcel ID:	4223000280	
	Year Built:	1966	
	Registry Status:	Not Determined	
CT778 **SSE** **1/2-1 mi** **2841**	**Not Reported** **2027 S 304TH ST** **Federal Way, WA**		**WAI201600214941** **WA HPI**
	Historic ID:	326153	
	Tax Parcel ID:	0537000040	
	Year Built:	1936	
	Registry Status:	Not Determined	
CJ779 **WSW** **1/2-1 mi** **2842**	**Not Reported** **810 S 301ST PL** **Federal Way, WA**		**WAI201600063333** **WA HPI**
	Historic ID:	311932	
	Tax Parcel ID:	5152200020	
	Year Built:	1962	
	Registry Status:	Not Determined	
CF780 **East** **1/2-1 mi** **2845**	**Not Reported** **29819 25TH PL S** **Federal Way, WA**		**WAI201600212337** **WA HPI**
	Historic ID:	319492	
	Tax Parcel ID:	7682200190	
	Year Built:	1965	
	Registry Status:	Not Determined	
CC781 **NE** **1/2-1 mi** **2847**	**Not Reported** **29115 23RD AVE S** **Federal Way, WA**		**WAI201600497092** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	315636	
	Tax Parcel ID:	4222600020	
	Year Built:	1964	
	Registry Status:	Not Determined	
CV782 **SSW** **1/2-1 mi** **2848**	**Not Reported** **30436 11TH AVE S** **Federal Way, WA**		**WAI201600129958** **WA HPI**
	Historic ID:	395029	
	Tax Parcel ID:	0919000220	
	Year Built:	1966	
	Registry Status:	Not Determined	
CN783 **SW** **1/2-1 mi** **2850**	**Not Reported** **30421 11TH AVE S** **Federal Way, WA**		**WAI201600214740** **WA HPI**
	Historic ID:	325760	
	Tax Parcel ID:	0919000310	
	Year Built:	1964	
	Registry Status:	Not Determined	
CW784 **NW** **1/2-1 mi** **2850**	**Not Reported** **915 S 293RD ST** **Federal Way, WA**		**WAI201600214060** **WA HPI**
	Historic ID:	324424	
	Tax Parcel ID:	5152800030	
	Year Built:	1969	
	Registry Status:	Not Determined	
CG785 **ESE** **1/2-1 mi** **2849**	**Not Reported** **2329 S 302ND ST** **Federal Way, WA**		**WAI201600499309** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 321668 Tax Parcel ID: 0421049092 Year Built: 1963 Registry Status: Not Determined	
CR786 **WNW** **1/2-1 mi** **2850**	**Not Reported** **29415 9TH PL S** **Federal Way, WA**	**WAI201600210893** **WA HPI**
	Historic ID: 315128 Tax Parcel ID: 5152100030 Year Built: 1961 Registry Status: Not Determined	
CX787 **East** **1/2-1 mi** **2852**	**Not Reported** **2424 S 299TH ST** **Federal Way, WA**	**WAI201600210782** **WA HPI**
	Historic ID: 314830 Tax Parcel ID: 7682200220 Year Built: 1966 Registry Status: Not Determined	
CI788 **West** **1/2-1 mi** **2854**	**Not Reported** **29655 8TH AVE S** **Federal Way, WA**	**WAI201600131739** **WA HPI**
	Historic ID: 398578 Tax Parcel ID: 5151900090 Year Built: 1959 Registry Status: Not Determined	
CY789 **SW** **1/2-1 mi** **2853**	**Not Reported** **30321 9TH AVE S** **Federal Way, WA**	**WAI201600418679** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	397184	
	Tax Parcel ID:	5153650140	
	Year Built:	1969	
	Registry Status:	Not Determined	
CJ790 **WSW** **1/2-1 mi** **2853**	**Not Reported** **30024 8TH AVE S** **Federal Way, WA**		**WAI201600416305** **WA HPI**
	Historic ID:	392434	
	Tax Parcel ID:	5149800110	
	Year Built:	1960	
	Registry Status:	Not Determined	
CZ791 **WSW** **1/2-1 mi** **2852**	**Not Reported** **821 S 301ST PL** **Federal Way, WA**		**WAI201600495894** **WA HPI**
	Historic ID:	313195	
	Tax Parcel ID:	5152200070	
	Year Built:	1963	
	Registry Status:	Not Determined	
CM792 **NNE** **1/2-1 mi** **2856**	**Not Reported** **28900 20TH AVE S** **Federal Way, WA**		**WAI201600315431** **WA HPI**
	Historic ID:	390742	
	Tax Parcel ID:	4222800290	
	Year Built:	1967	
	Registry Status:	Not Determined	
CT793 **SSE** **1/2-1 mi** **2860**	**Not Reported** **2033 S 304TH ST** **Federal Way, WA**		**WAI201600131704** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	398543	
	Tax Parcel ID:	0537000049	
	Year Built:	1932	
	Registry Status:	Not Determined	
CO794 **NW** **1/2-1 mi** **2863**	**Not Reported** **28945 11TH PL S** **Federal Way, WA**		**WAI201600500496** **WA HPI**
	Historic ID:	325617	
	Tax Parcel ID:	7205700050	
	Year Built:	1962	
	Registry Status:	Not Determined	
DA795 **NE** **1/2-1 mi** **2861**	**Not Reported** **2237 S 291ST ST** **Federal Way, WA**		**WAI201600493853** **WA HPI**
	Historic ID:	306011	
	Tax Parcel ID:	4222700220	
	Year Built:	1965	
	Registry Status:	Not Determined	
CX796 **East** **1/2-1 mi** **2863**	**Not Reported** **2420 S 299TH ST** **Federal Way, WA**		**WAI201600500132** **WA HPI**
	Historic ID:	324870	
	Tax Parcel ID:	7682200210	
	Year Built:	1966	
	Registry Status:	Not Determined	
CS797 **SE** **1/2-1 mi** **2862**	**Not Reported** **2226 S 304TH ST** **Federal Way, WA**		**WAI201600493852** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	306010	
	Tax Parcel ID:	0421049143	
	Year Built:	1960	
	Registry Status:	Not Determined	
DB798 **SE** **1/2-1 mi** **2868**	**Not Reported** **30230 23RD AVE S** **Federal Way, WA**		**WAI201600353131** **WA HPI**
	Historic ID:	316398	
	Tax Parcel ID:	0421049161	
	Year Built:	1962	
	Registry Status:	Not Determined	
CS799 **SE** **1/2-1 mi** **2868**	**Not Reported** **2209 S 304TH ST** **Federal Way, WA**		**WAI201600064734** **WA HPI**
	Historic ID:	322202	
	Tax Parcel ID:	0537000096	
	Year Built:	1951	
	Registry Status:	Not Determined	
CH800 **West** **1/2-1 mi** **2871**	**Not Reported** **29600 8TH AVE S** **Federal Way, WA**		**WAI201600211954** **WA HPI**
	Historic ID:	318735	
	Tax Parcel ID:	5151900010	
	Year Built:	1969	
	Registry Status:	Not Determined	
CM801 **NNE** **1/2-1 mi** **2871**	**Not Reported** **28905 20TH AVE S** **Federal Way, WA**		**WAI201600129807** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 394785
Tax Parcel ID: 4222800130
Year Built: 1966
Registry Status: Not Determined

CN802
SW
1/2-1 mi
2873

Not Reported
30412 10TH AVE S
Federal Way, WA

WAI201600501109
WA HPI

Historic ID: 328320
Tax Parcel ID: 0919000250
Year Built: 1966
Registry Status: Not Determined

CX803
East
1/2-1 mi
2874

Not Reported
2505 S 299TH ST
Federal Way, WA

WAI201600425413
WA HPI

Historic ID: 398727
Tax Parcel ID: 7682200230
Year Built: 1967
Registry Status: Not Determined

CI804
West
1/2-1 mi
2876

Not Reported
29639 8TH AVE S
Federal Way, WA

WAI201600315602
WA HPI

Historic ID: 391103
Tax Parcel ID: 5151900070
Year Built: 1960
Registry Status: Not Determined

CI805
West
1/2-1 mi
2876

Not Reported
29647 8TH AVE S
Federal Way, WA

WAI201600353089
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 316261 Tax Parcel ID: 5151900080 Year Built: 1959 Registry Status: Not Determined	
CQ806 **NE** **1/2-1 mi** **2877**	**Not Reported** **29008 22ND AVE S** **Federal Way, WA**	**WAI201600497048** **WA HPI**
	Historic ID: 315494 Tax Parcel ID: 4222700280 Year Built: 1965 Registry Status: Not Determined	
CM807 **NNE** **1/2-1 mi** **2878**	**Not Reported** **2051 S 289TH ST** **Federal Way, WA**	**WAI201600211072** **WA HPI**
	Historic ID: 315400 Tax Parcel ID: 4222800120 Year Built: 1966 Registry Status: Not Determined	
CI808 **West** **1/2-1 mi** **2879**	**Not Reported** **29631 8TH AVE S** **Federal Way, WA**	**WAI201600214543** **WA HPI**
	Historic ID: 325377 Tax Parcel ID: 5151900060 Year Built: 1960 Registry Status: Not Determined	
CM809 **NNE** **1/2-1 mi** **2881**	**Not Reported** **29003 22ND AVE S** **Federal Way, WA**	**WAI201600315599** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	391100	
	Tax Parcel ID:	4222700030	
	Year Built:	1965	
	Registry Status:	Not Determined	
CL810 **NNE** **1/2-1 mi** **2882**	**Not Reported** **28814 18TH AVE S** **Federal Way, WA**		**WAI201600494259** **WA HPI**
	Historic ID:	306804	
	Tax Parcel ID:	5462800005	
	Year Built:	1957	
	Registry Status:	Not Determined	
DC811 **West** **1/2-1 mi** **2888**	**Not Reported** **29623 8TH AVE S** **Federal Way, WA**		**WAI201600498957** **WA HPI**
	Historic ID:	320929	
	Tax Parcel ID:	5151900050	
	Year Built:	1960	
	Registry Status:	Not Determined	
CI812 **West** **1/2-1 mi** **2887**	**Not Reported** **29805 8TH AVE S** **Federal Way, WA**		**WAI201600138540** **WA HPI**
	Historic ID:	399950	
	Tax Parcel ID:	5151900260	
	Year Built:	1967	
	Registry Status:	Not Determined	
CX813 **ESE** **1/2-1 mi** **2888**	**Not Reported** **2412 S 300TH ST** **Federal Way, WA**		**WAI201600214318** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 324965 Tax Parcel ID: 7682200280 Year Built: 1966 Registry Status: Not Determined	
DC814 **West** **1/2-1 mi** **2891**	**Not Reported** **29615 8TH AVE S** **Federal Way, WA**	**WAI201600497441** **WA HPI**
	Historic ID: 317879 Tax Parcel ID: 5151900040 Year Built: 1961 Registry Status: Not Determined	
DD815 **NNE** **1/2-1 mi** **2890**	**Not Reported** **28820 19TH AVE S** **Federal Way, WA**	**WAI201600209664** **WA HPI**
	Historic ID: 311169 Tax Parcel ID: 4223000320 Year Built: 1966 Registry Status: Not Determined	
CR816 **WNW** **1/2-1 mi** **2890**	**Not Reported** **810 S 295TH PL** **Federal Way, WA**	**WAI201600501313** **WA HPI**
	Historic ID: 328716 Tax Parcel ID: 5152100050 Year Built: 1966 Registry Status: Not Determined	
DE817 **West** **1/2-1 mi** **2892**	**Not Reported** **29819 8TH AVE S** **Federal Way, WA**	**WAI201600494678** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	309213	
	Tax Parcel ID:	5151900250	
	Year Built:	1960	
	Registry Status:	Not Determined	
CQ818 **NE** **1/2-1 mi** **2894**	**Not Reported** **2228 S 291ST ST** **Federal Way, WA**		**WAI201600315535** **WA HPI**
	Historic ID:	390941	
	Tax Parcel ID:	4222700240	
	Year Built:	1966	
	Registry Status:	Not Determined	
CR819 **WNW** **1/2-1 mi** **2898**	**Not Reported** **29405 9TH PL S** **Federal Way, WA**		**WAI201600361025** **WA HPI**
	Historic ID:	327923	
	Tax Parcel ID:	5152400030	
	Year Built:	1967	
	Registry Status:	Not Determined	
CY820 **SW** **1/2-1 mi** **2898**	**Not Reported** **30325 9TH AVE S** **Federal Way, WA**		**WAI201600426015** **WA HPI**
	Historic ID:	399994	
	Tax Parcel ID:	5153650150	
	Year Built:	1969	
	Registry Status:	Not Determined	
DB821 **SE** **1/2-1 mi** **2897**	**Not Reported** **30234 23RD AVE S** **Federal Way, WA**		**WAI201600213107** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 321012 Tax Parcel ID: 0421049170 Year Built: 1962 Registry Status: Not Determined	
DC822 **West** **1/2-1 mi** **2902**	**Not Reported** **29609 8TH AVE S** **Federal Way, WA**	**WAI201600208093** **WA HPI**
	Historic ID: 306484 Tax Parcel ID: 5151900030 Year Built: 1961 Registry Status: Not Determined	
CY823 **WSW** **1/2-1 mi** **2899**	**Not Reported** **30228 8TH AVE S** **Federal Way, WA**	**WAI201600210599** **WA HPI**
	Historic ID: 314458 Tax Parcel ID: 5152600040 Year Built: 1967 Registry Status: Not Determined	
CN824 **SW** **1/2-1 mi** **2906**	**Not Reported** **30427 11TH AVE S** **Federal Way, WA**	**WAI201600498081** **WA HPI**
	Historic ID: 319191 Tax Parcel ID: 0919000305 Year Built: 1966 Registry Status: Not Determined	
CY825 **WSW** **1/2-1 mi** **2909**	**Not Reported** **30224 8TH AVE S** **Federal Way, WA**	**WAI201600495911** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 313212
Tax Parcel ID: 5152600030
Year Built: 1967
Registry Status: Not Determined

CY826
SW
1/2-1 mi
2912

Not Reported
30340 9TH AVE S
Federal Way, WA

WAI201600415700
WA HPI

Historic ID: 389660
Tax Parcel ID: 5153650030
Year Built: 1969
Registry Status: Not Determined

CH827
WNW
1/2-1 mi
2911

Not Reported
747 S 295TH PL
Federal Way, WA

WAI201600354124
WA HPI

Historic ID: 322982
Tax Parcel ID: 5152100140
Year Built: 1963
Registry Status: Not Determined

CT828
SSE
1/2-1 mi
2910

Not Reported
2039 S 304TH ST
Federal Way, WA

WAI201600129429
WA HPI

Historic ID: 394035
Tax Parcel ID: 0537000055
Year Built: 1944
Registry Status: Not Determined

CV829
SSW
1/2-1 mi
2911

Not Reported
30440 11TH AVE S
Federal Way, WA

WAI201600500543
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	325664	
	Tax Parcel ID:	0919000215	
	Year Built:	1966	
	Registry Status:	Not Determined	
CI830 **West** **1/2-1 mi** **2914**	**Not Reported** **656 S 298TH ST** **Federal Way, WA**		**WAI201600131079** **WA HPI**
	Historic ID:	397267	
	Tax Parcel ID:	5151900100	
	Year Built:	1961	
	Registry Status:	Not Determined	
DD831 **NNE** **1/2-1 mi** **2913**	**Not Reported** **28811 19TH AVE S** **Federal Way, WA**		**WAI201600360843** **WA HPI**
	Historic ID:	327548	
	Tax Parcel ID:	4223000020	
	Year Built:	1966	
	Registry Status:	Not Determined	
DC832 **West** **1/2-1 mi** **2917**	**Not Reported** **29601 8TH AVE S** **Federal Way, WA**		**WAI201600496948** **WA HPI**
	Historic ID:	315299	
	Tax Parcel ID:	5151900020	
	Year Built:	1960	
	Registry Status:	Not Determined	
CK833 **ENE** **1/2-1 mi** **2918**	**Not Reported** **2344 S 292ND ST** **Federal Way, WA**		**WAI201600499989** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 324537 Tax Parcel ID: 4222920050 Year Built: 1969 Registry Status: Not Determined	
CJ834 **WSW** **1/2-1 mi** **2922**	**Not Reported** **30032 8TH AVE S** **Federal Way, WA**	**WAI201600501142** **WA HPI**
	Historic ID: 328353 Tax Parcel ID: 5152200010 Year Built: 1962 Registry Status: Not Determined	
DD835 **NNE** **1/2-1 mi** **2919**	**Not Reported** **1914 S 289TH ST** **Federal Way, WA**	**WAI201600213931** **WA HPI**
	Historic ID: 324201 Tax Parcel ID: 4223000310 Year Built: 1966 Registry Status: Not Determined	
DA836 **NE** **1/2-1 mi** **2921**	**Not Reported** **29105 23RD AVE S** **Federal Way, WA**	**WAI201600352917** **WA HPI**
	Historic ID: 312973 Tax Parcel ID: 4222600010 Year Built: 1964 Registry Status: Not Determined	
CH837 **WNW** **1/2-1 mi** **2921**	**Not Reported** **806 S 295TH PL** **Federal Way, WA**	**WAI201600499531** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	322082	
	Tax Parcel ID:	5152100060	
	Year Built:	1965	
	Registry Status:	Not Determined	
DE838 **West** **1/2-1 mi** **2924**	**Not Reported** **29827 8TH AVE S** **Federal Way, WA**		**WAI201600137899** **WA HPI**
	Historic ID:	398751	
	Tax Parcel ID:	5151900240	
	Year Built:	1961	
	Registry Status:	Not Determined	
CM839 **NNE** **1/2-1 mi** **2924**	**Not Reported** **28836 21ST AVE S** **Federal Way, WA**		**WAI201600211994** **WA HPI**
	Historic ID:	318775	
	Tax Parcel ID:	4222800300	
	Year Built:	1966	
	Registry Status:	Not Determined	
CS840 **SE** **1/2-1 mi** **2924**	**Not Reported** **30310 23RD AVE S** **Federal Way, WA**		**WAI201600127858** **WA HPI**
	Historic ID:	389379	
	Tax Parcel ID:	0421049089	
	Year Built:	1956	
	Registry Status:	Not Determined	
CZ841 **WSW** **1/2-1 mi** **2929**	**Not Reported** **811 S 301ST PL** **Federal Way, WA**		**WAI201600208717** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	309277	
	Tax Parcel ID:	5152200080	
	Year Built:	1963	
	Registry Status:	Not Determined	
CN842 **SW** **1/2-1 mi** **2928**	**Not Reported** **30420 10TH AVE S** **Federal Way, WA**		**WAI201600131728** **WA HPI**
	Historic ID:	398567	
	Tax Parcel ID:	0919000255	
	Year Built:	1965	
	Registry Status:	Not Determined	
CO843 **NW** **1/2-1 mi** **2930**	**Not Reported** **28933 11TH AVE S** **Federal Way, WA**		**WAI201600494429** **WA HPI**
	Historic ID:	308678	
	Tax Parcel ID:	7205700040	
	Year Built:	1963	
	Registry Status:	Not Determined	
DF844 **East** **1/2-1 mi** **2931**	**Not Reported** **29720 25TH PL S** **Federal Way, WA**		**WAI201600062885** **WA HPI**
	Historic ID:	307984	
	Tax Parcel ID:	7683800044	
	Year Built:	1967	
	Registry Status:	Not Determined	
CP845 **South** **1/2-1 mi** **2932**	**Not Reported** **30610 PACIFIC HWY S** **Federal Way, WA**		**WAI201600394266** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	344934	
	Tax Parcel ID:	0921049193	
	Year Built:	1961	
	Registry Status:	Not Determined	
CU846 **NE** **1/2-1 mi** **2935**	**Not Reported** **2310 S 292ND ST** **Federal Way, WA**		**WAI201600210913** **WA HPI**
	Historic ID:	315148	
	Tax Parcel ID:	4222600180	
	Year Built:	1964	
	Registry Status:	Not Determined	
DG847 **NW** **1/2-1 mi** **2936**	**Not Reported** **28920 11TH AVE S** **Federal Way, WA**		**WAI201600351936** **WA HPI**
	Historic ID:	307909	
	Tax Parcel ID:	7205700110	
	Year Built:	1966	
	Registry Status:	Not Determined	
CX848 **East** **1/2-1 mi** **2938**	**Not Reported** **2511 S 299TH ST** **Federal Way, WA**		**WAI201600498919** **WA HPI**
	Historic ID:	320891	
	Tax Parcel ID:	7682200240	
	Year Built:	1965	
	Registry Status:	Not Determined	
CR849 **WNW** **1/2-1 mi** **2940**	**Not Reported** **29401 9TH PL S** **Federal Way, WA**		**WAI201600138345** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 399569 Tax Parcel ID: 5152400020 Year Built: 1966 Registry Status: Not Determined	
DE850 **WSW** **1/2-1 mi** **2944**	**Not Reported** **29835 8TH AVE S** **Federal Way, WA**	**WAI201600064497** **WA HPI**
	Historic ID: 317239 Tax Parcel ID: 5151900230 Year Built: 1961 Registry Status: Not Determined	
CM851 **NE** **1/2-1 mi** **2945**	**Not Reported** **28855 22ND AVE S** **Federal Way, WA**	**WAI201600207904** **WA HPI**
	Historic ID: 306105 Tax Parcel ID: 4222700040 Year Built: 1964 Registry Status: Not Determined	
CU852 **NE** **1/2-1 mi** **2945**	**Not Reported** **29118 23RD AVE S** **Federal Way, WA**	**WAI201600497342** **WA HPI**
	Historic ID: 317685 Tax Parcel ID: 4222600190 Year Built: 1964 Registry Status: Not Determined	
CQ853 **NE** **1/2-1 mi** **2945**	**Not Reported** **2236 S 291ST ST** **Federal Way, WA**	**WAI201600207944** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 306242 Tax Parcel ID: 4222700230 Year Built: 1964 Registry Status: Not Determined	
CL854 **NNE** **1/2-1 mi** **2947**	**Not Reported** **1837 S 288TH ST** **Federal Way, WA**	**WAI201600496383** **WA HPI**
	Historic ID: 314159 Tax Parcel ID: 0421049027 Year Built: 1924 Registry Status: Not Determined	
DB855 **ESE** **1/2-1 mi** **2947**	**Not Reported** **30232 23RD AVE S** **Federal Way, WA**	**WAI201600354703** **WA HPI**
	Historic ID: 327167 Tax Parcel ID: 0421049013 Year Built: 1964 Registry Status: Not Determined	
DD856 **NNE** **1/2-1 mi** **2948**	**Not Reported** **1920 S 289TH ST** **Federal Way, WA**	**WAI201600211602** **WA HPI**
	Historic ID: 318009 Tax Parcel ID: 4223000300 Year Built: 1966 Registry Status: Not Determined	
CQ857 **NE** **1/2-1 mi** **2950**	**Not Reported** **28860 22ND AVE S** **Federal Way, WA**	**WAI201600496448** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	314320	
	Tax Parcel ID:	4222700290	
	Year Built:	1964	
	Registry Status:	Not Determined	
CT858 **SE** **1/2-1 mi** **2953**	**Not Reported** **2047 S 304TH ST** **Federal Way, WA**		**WAI201600130365** **WA HPI**
	Historic ID:	395809	
	Tax Parcel ID:	0537000065	
	Year Built:	1942	
	Registry Status:	Not Determined	
CQ859 **NE** **1/2-1 mi** **2954**	**Not Reported** **28856 22ND AVE S** **Federal Way, WA**		**WAI201600138772** **WA HPI**
	Historic ID:	400461	
	Tax Parcel ID:	4222700300	
	Year Built:	1964	
	Registry Status:	Not Determined	
CL860 **NNE** **1/2-1 mi** **2957**	**Not Reported** **1809 S 288TH ST** **Federal Way, WA**		**WAI201600063377** **WA HPI**
	Historic ID:	311976	
	Tax Parcel ID:	0421049182	
	Year Built:	1952	
	Registry Status:	Not Determined	
DE861 **WSW** **1/2-1 mi** **2957**	**Not Reported** **29841 8TH AVE S** **Federal Way, WA**		**WAI201600025540** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	390673	
	Tax Parcel ID:	5151900220	
	Year Built:	1960	
	Registry Status:	Not Determined	
CX862 **ESE** **1/2-1 mi** **2965**	**Not Reported** **2420 S 300TH ST** **Federal Way, WA**		**WAI201600071887** **WA HPI**
	Historic ID:	327442	
	Tax Parcel ID:	7682200270	
	Year Built:	1967	
	Registry Status:	Not Determined	
CY863 **SW** **1/2-1 mi** **2966**	**Not Reported** **30348 9TH AVE S** **Federal Way, WA**		**WAI201600499026** **WA HPI**
	Historic ID:	321093	
	Tax Parcel ID:	5153650020	
	Year Built:	1969	
	Registry Status:	Not Determined	
CU864 **NE** **1/2-1 mi** **2966**	**Not Reported** **29145 23RD PL S** **Federal Way, WA**		**WAI201600417674** **WA HPI**
	Historic ID:	395133	
	Tax Parcel ID:	4222600170	
	Year Built:	1964	
	Registry Status:	Not Determined	
CN865 **SW** **1/2-1 mi** **2969**	**Not Reported** **30437 11TH AVE S** **Federal Way, WA**		**WAI201600207582** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

Historic ID: 305502
Tax Parcel ID: 0919000300
Year Built: 1966
Registry Status: Not Determined

CX866
East
1/2-1 mi
2970

Not Reported
2512 S 299TH ST
Federal Way, WA

WAI201600497245
WA HPI

Historic ID: 315979
Tax Parcel ID: 7682200200
Year Built: 1966
Registry Status: Not Determined

CV867
SSW
1/2-1 mi
2974

Not Reported
30448 11TH AVE S
Federal Way, WA

WAI201600417917
WA HPI

Historic ID: 395661
Tax Parcel ID: 0919000210
Year Built: 1966
Registry Status: Not Determined

DD868
NNE
1/2-1 mi
2976

Not Reported
1928 S 289TH ST
Federal Way, WA

WAI201600211203
WA HPI

Historic ID: 315720
Tax Parcel ID: 4223000290
Year Built: 1966
Registry Status: Not Determined

CX869
East
1/2-1 mi
2979

Not Reported
29804 25TH PL S
Federal Way, WA

WAI201600354367
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 323418
Tax Parcel ID: 7682200360
Year Built: 1967
Registry Status: Not Determined

CM870
NNE
1/2-1 mi
2981

Not Reported
28833 21ST AVE S
Federal Way, WA

WAI201600500401
WA HPI

Historic ID: 325331
Tax Parcel ID: 4222800050
Year Built: 1966
Registry Status: Not Determined

CU871
NE
1/2-1 mi
2982

Not Reported
29152 23RD PL S
Federal Way, WA

WAI201600063187
WA HPI

Historic ID: 311596
Tax Parcel ID: 4222920020
Year Built: 1969
Registry Status: Not Determined

CK872
NE
1/2-1 mi
2986

Not Reported
2332 S 292ND ST
Federal Way, WA

WAI201600354634
WA HPI

Historic ID: 327003
Tax Parcel ID: 4222920030
Year Built: 1969
Registry Status: Not Determined

CX873
East
1/2-1 mi
2986

Not Reported
29816 25TH PL S
Federal Way, WA

WAI201600494983
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	309806	
	Tax Parcel ID:	7682200350	
	Year Built:	1965	
	Registry Status:	Not Determined	
DH874 **SE** **1/2-1 mi** **2989**	**Not Reported** **2103 S 304TH ST** **Federal Way, WA**		**WAI201600494379** **WA HPI**
	Historic ID:	308627	
	Tax Parcel ID:	0537000075	
	Year Built:	1965	
	Registry Status:	Not Determined	
DB875 **SE** **1/2-1 mi** **2992**	**Not Reported** **2316 S 304TH ST** **Federal Way, WA**		**WAI201600352097** **WA HPI**
	Historic ID:	308262	
	Tax Parcel ID:	0421049125	
	Year Built:	1952	
	Registry Status:	Not Determined	
CN876 **SW** **1/2-1 mi** **2992**	**Not Reported** **30428 10TH AVE S** **Federal Way, WA**		**WAI201600128062** **WA HPI**
	Historic ID:	389769	
	Tax Parcel ID:	0919000260	
	Year Built:	1963	
	Registry Status:	Not Determined	
DI877 **WNW** **1/2-1 mi** **2994**	**Not Reported** **29333 9TH PL S** **Federal Way, WA**		**WAI201600062716** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	307629	
	Tax Parcel ID:	5152400010	
	Year Built:	1965	
	Registry Status:	Not Determined	
DE878 **West** **1/2-1 mi** **2998**	**Not Reported** **649 S 298TH ST** **Federal Way, WA**		**WAI201600064424** **WA HPI**
	Historic ID:	317072	
	Tax Parcel ID:	5151900270	
	Year Built:	1961	
	Registry Status:	Not Determined	
CZ879 **WSW** **1/2-1 mi** **2999**	**Not Reported** **803 S 301ST PL** **Federal Way, WA**		**WAI201600496199** **WA HPI**
	Historic ID:	313785	
	Tax Parcel ID:	5152200090	
	Year Built:	1961	
	Registry Status:	Not Determined	
DD880 **NNE** **1/2-1 mi** **3000**	**Not Reported** **28805 19TH AVE S** **Federal Way, WA**		**WAI201600215479** **WA HPI**
	Historic ID:	328765	
	Tax Parcel ID:	4223000010	
	Year Built:	1966	
	Registry Status:	Not Determined	
CM881 **NNE** **1/2-1 mi** **3002**	**Not Reported** **28832 21ST AVE S** **Federal Way, WA**		**WAI201600353151** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	316418	
	Tax Parcel ID:	4222800310	
	Year Built:	1966	
	Registry Status:	Not Determined	
DJ882 **WSW** **1/2-1 mi** **3003**	**Not Reported** **30009 8TH AVE S** **Federal Way, WA**		**WAI201600352425** **WA HPI**
	Historic ID:	311908	
	Tax Parcel ID:	5152000110	
	Year Built:	1961	
	Registry Status:	Not Determined	
DE883 **West** **1/2-1 mi** **3004**	**Not Reported** **652 S 298TH ST** **Federal Way, WA**		**WAI201600215189** **WA HPI**
	Historic ID:	328194	
	Tax Parcel ID:	5151900110	
	Year Built:	1960	
	Registry Status:	Not Determined	
CU884 **NE** **1/2-1 mi** **3006**	**Not Reported** **29110 23RD AVE S** **Federal Way, WA**		**WAI201600130286** **WA HPI**
	Historic ID:	395729	
	Tax Parcel ID:	4222600200	
	Year Built:	1964	
	Registry Status:	Not Determined	
DK885 **SW** **1/2-1 mi** **3006**	**Not Reported** **30415 10TH AVE S** **Federal Way, WA**		**WAI201600065190** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	323130	
	Tax Parcel ID:	0919000080	
	Year Built:	1965	
	Registry Status:	Not Determined	
CY886 **WSW** **1/2-1 mi** **3010**	**Not Reported** **30240 8TH AVE S** **Federal Way, WA**		**WAI201600417121** **WA HPI**
	Historic ID:	394010	
	Tax Parcel ID:	5152600050	
	Year Built:	1966	
	Registry Status:	Not Determined	
DD887 **NNE** **1/2-1 mi** **3010**	**Not Reported** **28819 20TH PL S** **Federal Way, WA**		**WAI201600128405** **WA HPI**
	Historic ID:	390484	
	Tax Parcel ID:	4222800110	
	Year Built:	1966	
	Registry Status:	Not Determined	
DH888 **SE** **1/2-1 mi** **3011**	**Not Reported** **2107 S 304TH ST** **Federal Way, WA**		**WAI201600353372** **WA HPI**
	Historic ID:	316829	
	Tax Parcel ID:	0537000080	
	Year Built:	1965	
	Registry Status:	Not Determined	
CM889 **NNE** **1/2-1 mi** **3013**	**Not Reported** **28820 20TH PL S** **Federal Way, WA**		**WAI201600072006** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 327654 Tax Parcel ID: 4222800060 Year Built: 1966 Registry Status: Not Determined	
DL890 **South** **1/2-1 mi** **3015**	**Sterling Dental Care** **30640 Pacific Hwy S** **Federal Way, WA 98003**	**WAI201600318370** **WA HPI**
	Historic ID: 673476 Tax Parcel ID: 0921049102 Year Built: 1965 Registry Status: Determined Not Eligible	
DM891 **WNW** **1/2-1 mi** **3016**	**Not Reported** **741 S 295TH PL** **Federal Way, WA**	**WAI201600128374** **WA HPI**
	Historic ID: 390360 Tax Parcel ID: 5152100150 Year Built: 1965 Registry Status: Not Determined	
CX892 **East** **1/2-1 mi** **3015**	**Not Reported** **2517 S 299TH ST** **Federal Way, WA**	**WAI201600138857** **WA HPI**
	Historic ID: 400639 Tax Parcel ID: 7682200250 Year Built: 1965 Registry Status: Not Determined	
DB893 **SE** **1/2-1 mi** **3016**	**Not Reported** **2334 S 304TH ST** **Federal Way, WA**	**WAI201600131602** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	398255	
	Tax Parcel ID:	0421049216	
	Year Built:	1952	
	Registry Status:	Not Determined	
CR894 **WNW** **1/2-1 mi** **3019**	**Not Reported** **748 S 295TH PL** **Federal Way, WA**		**WAI201600207739** **WA HPI**
	Historic ID:	305754	
	Tax Parcel ID:	5152100070	
	Year Built:	1966	
	Registry Status:	Not Determined	
DA895 **NE** **1/2-1 mi** **3018**	**Not Reported** **29007 23RD AVE S** **Federal Way, WA**		**WAI201600129555** **WA HPI**
	Historic ID:	394254	
	Tax Parcel ID:	4222500120	
	Year Built:	1964	
	Registry Status:	Not Determined	
DL896 **South** **1/2-1 mi** **3020**	**Not Reported** **30640 PACIFIC HWY S** **Federal Way, WA**		**WAI201600104112** **WA HPI**
	Historic ID:	339553	
	Tax Parcel ID:	0921049102	
	Year Built:	1965	
	Registry Status:	Not Determined	
CQ897 **NE** **1/2-1 mi** **3020**	**Not Reported** **28847 22ND AVE S** **Federal Way, WA**		**WAI201600128179** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	389979	
	Tax Parcel ID:	4222700050	
	Year Built:	1965	
	Registry Status:	Not Determined	
CZ898 **WSW** **1/2-1 mi** **3022**	**Not Reported** **30210 8TH AVE S** **Federal Way, WA**		**WAI201600130545** **WA HPI**
	Historic ID:	396175	
	Tax Parcel ID:	5152600020	
	Year Built:	1966	
	Registry Status:	Not Determined	
CQ899 **NE** **1/2-1 mi** **3020**	**Not Reported** **28852 22ND AVE S** **Federal Way, WA**		**WAI201600419081** **WA HPI**
	Historic ID:	397966	
	Tax Parcel ID:	4222700310	
	Year Built:	1964	
	Registry Status:	Not Determined	
DD900 **NNE** **1/2-1 mi** **3024**	**Not Reported** **1817 S 288TH ST** **Federal Way, WA**		**WAI201600352013** **WA HPI**
	Historic ID:	308083	
	Tax Parcel ID:	0421049114	
	Year Built:	1955	
	Registry Status:	Not Determined	
DJ901 **WSW** **1/2-1 mi** **3026**	**Not Reported** **30017 8TH AVE S** **Federal Way, WA**		**WAI201600493552** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	305423	
	Tax Parcel ID:	5152000100	
	Year Built:	1961	
	Registry Status:	Not Determined	
CV902 **SW** **1/2-1 mi** **3027**	**Not Reported** **30445 11TH AVE S** **Federal Way, WA**		**WAI201600426217** **WA HPI**
	Historic ID:	400386	
	Tax Parcel ID:	0919000295	
	Year Built:	1966	
	Registry Status:	Not Determined	
903 **ESE** **1/2-1 mi** **3029**	**Not Reported** **2405 S 300TH ST** **Federal Way, WA**		**WAI201600015964** **WA HPI**
	Historic ID:	336954	
	Tax Parcel ID:	0421049167	
	Year Built:	1966	
	Registry Status:	Not Determined	
DH904 **SE** **1/2-1 mi** **3034**	**Not Reported** **2111 S 304TH ST** **Federal Way, WA**		**WAI201600497289** **WA HPI**
	Historic ID:	316025	
	Tax Parcel ID:	0537000085	
	Year Built:	1936	
	Registry Status:	Not Determined	
CU905 **NE** **1/2-1 mi** **3035**	**Not Reported** **29133 23RD PL S** **Federal Way, WA**		**WAI201600062124** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 303638 Tax Parcel ID: 4222600160 Year Built: 1964 Registry Status: Not Determined	
CV906 **SSW** **1/2-1 mi** **3037**	**Not Reported** **30456 11TH AVE S** **Federal Way, WA**	**WAI201600351875** **WA HPI**
	Historic ID: 307753 Tax Parcel ID: 0919000205 Year Built: 1966 Registry Status: Not Determined	
CX907 **ESE** **1/2-1 mi** **3044**	**Not Reported** **2428 S 300TH ST** **Federal Way, WA**	**WAI201600138523** **WA HPI**
	Historic ID: 399933 Tax Parcel ID: 7682200260 Year Built: 1967 Registry Status: Not Determined	
CM908 **NNE** **1/2-1 mi** **3044**	**Not Reported** **28827 21ST AVE S** **Federal Way, WA**	**WAI201600500893** **WA HPI**
	Historic ID: 326403 Tax Parcel ID: 4222800040 Year Built: 1966 Registry Status: Not Determined	
CW909 **WNW** **1/2-1 mi** **3048**	**Not Reported** **29317 9TH PL S** **Federal Way, WA**	**WAI201600208414** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	308600	
	Tax Parcel ID:	5152800260	
	Year Built:	1967	
	Registry Status:	Not Determined	
DG910 **NNW** **1/2-1 mi** **3050**	**Not Reported** **28910 12TH AVE S** **Federal Way, WA**		**WAI201600208876** **WA HPI**
	Historic ID:	309532	
	Tax Parcel ID:	7205800130	
	Year Built:	1963	
	Registry Status:	Not Determined	
DD911 **NNE** **1/2-1 mi** **3050**	**Not Reported** **1855 S 288TH ST** **Federal Way, WA**		**WAI201600025692** **WA HPI**
	Historic ID:	391011	
	Tax Parcel ID:	0421049137	
	Year Built:	1959	
	Registry Status:	Not Determined	
DJ912 **WSW** **1/2-1 mi** **3051**	**Not Reported** **620 S 301ST ST** **Federal Way, WA**		**WAI201600211879** **WA HPI**
	Historic ID:	318566	
	Tax Parcel ID:	5152000090	
	Year Built:	1963	
	Registry Status:	Not Determined	
DA913 **NE** **1/2-1 mi** **3052**	**Not Reported** **29024 23RD AVE S** **Federal Way, WA**		**WAI201600425785** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 399479 Tax Parcel ID: 4222500130 Year Built: 1964 Registry Status: Not Determined	
CV914 **SW** **1/2-1 mi** **3056**	**Not Reported** **30436 10TH AVE S** **Federal Way, WA**	**WAI201600493816** **WA HPI**
	Historic ID: 305974 Tax Parcel ID: 0919000265 Year Built: 1963 Registry Status: Not Determined	
DH915 **SE** **1/2-1 mi** **3054**	**Not Reported** **2115 S 304TH ST** **Federal Way, WA**	**WAI201600214834** **WA HPI**
	Historic ID: 325952 Tax Parcel ID: 0537000090 Year Built: 1935 Registry Status: Not Determined	
DE916 **West** **1/2-1 mi** **3059**	**Not Reported** **639 S 298TH ST** **Federal Way, WA**	**WAI201600063420** **WA HPI**
	Historic ID: 312019 Tax Parcel ID: 5151900280 Year Built: 1960 Registry Status: Not Determined	
DA917 **NE** **1/2-1 mi** **3059**	**Not Reported** **29003 23RD AVE S** **Federal Way, WA**	**WAI201600352540** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 312213 Tax Parcel ID: 4222500110 Year Built: 1964 Registry Status: Not Determined	
DK918 **SW** **1/2-1 mi** **3059**	**Not Reported** **30423 10TH AVE S** **Federal Way, WA**	**WAI201600416489** **WA HPI**
	Historic ID: 392713 Tax Parcel ID: 0919000075 Year Built: 1964 Registry Status: Not Determined	
CX919 **East** **1/2-1 mi** **3060**	**Not Reported** **29824 25TH PL S** **Federal Way, WA**	**WAI201600063279** **WA HPI**
	Historic ID: 311781 Tax Parcel ID: 7682200340 Year Built: 1965 Registry Status: Not Determined	
DN920 **NNE** **1/2-1 mi** **3062**	**Not Reported** **28828 21ST AVE S** **Federal Way, WA**	**WAI201600209796** **WA HPI**
	Historic ID: 311396 Tax Parcel ID: 4222800320 Year Built: 1966 Registry Status: Not Determined	
CZ921 **WSW** **1/2-1 mi** **3066**	**Not Reported** **30202 8TH AVE S** **Federal Way, WA**	**WAI201600360727** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	327337	
	Tax Parcel ID:	5152600010	
	Year Built:	1966	
	Registry Status:	Not Determined	
DE922 **West** **1/2-1 mi** **3067**	**Not Reported** **638 S 298TH ST** **Federal Way, WA**		**WAI201600062364** **WA HPI**
	Historic ID:	304067	
	Tax Parcel ID:	5151900120	
	Year Built:	1961	
	Registry Status:	Not Determined	
CY923 **WSW** **1/2-1 mi** **3068**	**Not Reported** **30236 8TH AVE S** **Federal Way, WA**		**WAI201600210504** **WA HPI**
	Historic ID:	314269	
	Tax Parcel ID:	5152600060	
	Year Built:	1966	
	Registry Status:	Not Determined	
CU924 **NE** **1/2-1 mi** **3070**	**Not Reported** **29146 23RD PL S** **Federal Way, WA**		**WAI201600213489** **WA HPI**
	Historic ID:	321773	
	Tax Parcel ID:	4222920010	
	Year Built:	1969	
	Registry Status:	Not Determined	
DO925 **SSE** **1/2-1 mi** **3070**	**Not Reported** **30700 19TH AVE S** **Federal Way, WA**		**WAI201600493172** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	304660	
	Tax Parcel ID:	0921049104	
	Year Built:	1947	
	Registry Status:	Not Determined	
DG926 **NW** **1/2-1 mi** **3072**	**Not Reported** **28915 11TH AVE S** **Federal Way, WA**		**WAI201600360738** **WA HPI**
	Historic ID:	327348	
	Tax Parcel ID:	7205700020	
	Year Built:	1964	
	Registry Status:	Not Determined	
DE927 **WSW** **1/2-1 mi** **3073**	**Not Reported** **29840 6TH AVE S** **Federal Way, WA**		**WAI201600211175** **WA HPI**
	Historic ID:	315692	
	Tax Parcel ID:	5152000040	
	Year Built:	1963	
	Registry Status:	Not Determined	
DD928 **NNE** **1/2-1 mi** **3075**	**Not Reported** **1859 S 288TH ST** **Federal Way, WA**		**WAI201600214402** **WA HPI**
	Historic ID:	325049	
	Tax Parcel ID:	0421049159	
	Year Built:	1965	
	Registry Status:	Not Determined	
DB929 **SE** **1/2-1 mi** **3075**	**Not Reported** **2330 S 304TH ST** **Federal Way, WA**		**WAI201600495722** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	311318	
	Tax Parcel ID:	0421049215	
	Year Built:	1967	
	Registry Status:	Not Determined	
CQ930 **NE** **1/2-1 mi** **3085**	**Not Reported** **28839 22ND AVE S** **Federal Way, WA**		**WAI201600425861** **WA HPI**
	Historic ID:	399650	
	Tax Parcel ID:	4222700060	
	Year Built:	1966	
	Registry Status:	Not Determined	
DJ931 **WSW** **1/2-1 mi** **3087**	**Not Reported** **30101 8TH AVE S** **Federal Way, WA**		**WAI201600497378** **WA HPI**
	Historic ID:	317721	
	Tax Parcel ID:	5152000230	
	Year Built:	1965	
	Registry Status:	Not Determined	
CU932 **NE** **1/2-1 mi** **3085**	**Not Reported** **29125 23RD PL S** **Federal Way, WA**		**WAI201600025825** **WA HPI**
	Historic ID:	391237	
	Tax Parcel ID:	4222600150	
	Year Built:	1964	
	Registry Status:	Not Determined	
CQ933 **NE** **1/2-1 mi** **3087**	**Not Reported** **28848 22ND AVE S** **Federal Way, WA**		**WAI201600416626** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	393040	
	Tax Parcel ID:	4222700320	
	Year Built:	1964	
	Registry Status:	Not Determined	
DP934 **North** **1/2-1 mi** **3088**	**Not Reported** **1560 S 288TH ST** **Federal Way, WA**		**WAI201600137861** **WA HPI**
	Historic ID:	398620	
	Tax Parcel ID:	7203000240	
	Year Built:	1968	
	Registry Status:	Not Determined	
CV935 **SSW** **1/2-1 mi** **3090**	**Not Reported** **30451 11TH AVE S** **Federal Way, WA**		**WAI201600063672** **WA HPI**
	Historic ID:	312552	
	Tax Parcel ID:	0919000290	
	Year Built:	1966	
	Registry Status:	Not Determined	
DF936 **East** **1/2-1 mi** **3090**	**Not Reported** **2526 S 298TH ST** **Federal Way, WA**		**WAI201600500142** **WA HPI**
	Historic ID:	324880	
	Tax Parcel ID:	7683800030	
	Year Built:	1935	
	Registry Status:	Not Determined	
937 **NNW** **1/2-1 mi** **3095**	**Not Reported** **28840 11TH AVE S** **Federal Way, WA**		**WAI201600207669** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 305682 Tax Parcel ID: 7205800120 Year Built: 1966 Registry Status: Not Determined	
DN938 **NNE** **1/2-1 mi** **3094**	**Not Reported** **28814 20TH PL S** **Federal Way, WA**	**WAI201600495806** **WA HPI**
	Historic ID: 311498 Tax Parcel ID: 4222800070 Year Built: 1965 Registry Status: Not Determined	
CV939 **SSW** **1/2-1 mi** **3097**	**Not Reported** **30464 11TH AVE S** **Federal Way, WA**	**WAI201600128126** **WA HPI**
	Historic ID: 389926 Tax Parcel ID: 0919000200 Year Built: 1966 Registry Status: Not Determined	
DP940 **North** **1/2-1 mi** **3097**	**1560 S 288th St** **1560 S 288th St** **Federal Way, WA 98003**	**WAI201600182544** **WA HPI**
	Historic ID: 675387 Tax Parcel ID: 7203000240 Year Built: 1968 Registry Status: Determined Not Eligible	
CW941 **WNW** **1/2-1 mi** **3100**	**Not Reported** **29305 9TH PL S** **Federal Way, WA**	**WAI201600063169** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	311578	
	Tax Parcel ID:	5152800250	
	Year Built:	1967	
	Registry Status:	Not Determined	
DQ942 **East** **1/2-1 mi** **3099**	**Not Reported** **2519 S 298TH ST** **Federal Way, WA**		**WAI201600501275** **WA HPI**
	Historic ID:	328678	
	Tax Parcel ID:	7682200370	
	Year Built:	1946	
	Registry Status:	Not Determined	
DA943 **NE** **1/2-1 mi** **3100**	**Not Reported** **29016 23RD AVE S** **Federal Way, WA**		**WAI201600416297** **WA HPI**
	Historic ID:	392331	
	Tax Parcel ID:	4222500140	
	Year Built:	1964	
	Registry Status:	Not Determined	
DP944 **North** **1/2-1 mi** **3101**	**Not Reported** **28728 15TH AVE S** **Federal Way, WA**		**WAI201600137859** **WA HPI**
	Historic ID:	398618	
	Tax Parcel ID:	7203000235	
	Year Built:	1945	
	Registry Status:	Not Determined	
DD945 **NNE** **1/2-1 mi** **3101**	**Not Reported** **1861 S 288TH ST** **Federal Way, WA**		**WAI201600315375** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	390591	
	Tax Parcel ID:	0421049102	
	Year Built:	1954	
	Registry Status:	Not Determined	
DJ946 **WSW** **1/2-1 mi** **3106**	**Not Reported** **29844 6TH AVE S** **Federal Way, WA**		**WAI201600212637** **WA HPI**
	Historic ID:	320072	
	Tax Parcel ID:	5152000050	
	Year Built:	1966	
	Registry Status:	Not Determined	
DM947 **WNW** **1/2-1 mi** **3110**	**Not Reported** **640 S 295TH PL** **Federal Way, WA**		**WAI201600417701** **WA HPI**
	Historic ID:	395255	
	Tax Parcel ID:	5152100080	
	Year Built:	1961	
	Registry Status:	Not Determined	
DK948 **SW** **1/2-1 mi** **3110**	**Not Reported** **30431 10TH AVE S** **Federal Way, WA**		**WAI201600214765** **WA HPI**
	Historic ID:	325785	
	Tax Parcel ID:	0919000070	
	Year Built:	1964	
	Registry Status:	Not Determined	
CV949 **SW** **1/2-1 mi** **3113**	**Not Reported** **30444 10TH AVE S** **Federal Way, WA**		**WAI201600128550** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 392226 Tax Parcel ID: 0919000270 Year Built: 1963 Registry Status: Not Determined	
DI950 **WNW** **1/2-1 mi** **3115**	**Not Reported** **726 S 294TH PL** **Federal Way, WA**	**WAI201600416061** **WA HPI**
	Historic ID: 390401 Tax Parcel ID: 5152500100 Year Built: 1969 Registry Status: Not Determined	
DR951 **NNE** **1/2-1 mi** **3117**	**Not Reported** **28813 20TH PL S** **Federal Way, WA**	**WAI201600416547** **WA HPI**
	Historic ID: 392866 Tax Parcel ID: 4222800100 Year Built: 1965 Registry Status: Not Determined	
DA952 **NE** **1/2-1 mi** **3121**	**Not Reported** **28851 23RD AVE S** **Federal Way, WA**	**WAI201600065699** **WA HPI**
	Historic ID: 327137 Tax Parcel ID: 4222500100 Year Built: 1964 Registry Status: Not Determined	
CU953 **NE** **1/2-1 mi** **3121**	**Not Reported** **29138 23RD PL S** **Federal Way, WA**	**WAI201600138916** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 400698
Tax Parcel ID: 4222600120
Year Built: 1966
Registry Status: Not Determined

DN954
NNE
1/2-1 mi
3123

Not Reported
28819 21ST AVE S
Federal Way, WA

WAI201600071781
WA HPI

Historic ID: 327243
Tax Parcel ID: 4222800030
Year Built: 1965
Registry Status: Not Determined

CX955
East
1/2-1 mi
3123

Not Reported
29828 26TH AVE S
Federal Way, WA

WAI201600063772
WA HPI

Historic ID: 312746
Tax Parcel ID: 7682200330
Year Built: 1965
Registry Status: Not Determined

DL956
South
1/2-1 mi
3129

Not Reported
1650 S 308TH ST
Federal Way, WA

WAI201600096004
WA HPI

Historic ID: 333921
Tax Parcel ID: 0921049219
Year Built: 1962
Registry Status: Not Determined

DA957
NE
1/2-1 mi
3130

Not Reported
29025 23RD PL S
Federal Way, WA

WAI201600315504
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	390910	
	Tax Parcel ID:	4222500320	
	Year Built:	1964	
	Registry Status:	Not Determined	
DE958 **West** **1/2-1 mi** **3132**	**Not Reported** **630 S 298TH ST** **Federal Way, WA**		**WAI201600495551** **WA HPI**
	Historic ID:	310956	
	Tax Parcel ID:	5151900130	
	Year Built:	1961	
	Registry Status:	Not Determined	
DN959 **NE** **1/2-1 mi** **3132**	**Not Reported** **28840 22ND AVE S** **Federal Way, WA**		**WAI201600214265** **WA HPI**
	Historic ID:	324817	
	Tax Parcel ID:	4222700340	
	Year Built:	1964	
	Registry Status:	Not Determined	
CZ960 **WSW** **1/2-1 mi** **3134**	**Not Reported** **30117 8TH AVE S** **Federal Way, WA**		**WAI201600063168** **WA HPI**
	Historic ID:	311577	
	Tax Parcel ID:	5152000240	
	Year Built:	1962	
	Registry Status:	Not Determined	
DN961 **NNE** **1/2-1 mi** **3135**	**Not Reported** **28824 21ST AVE S** **Federal Way, WA**		**WAI201600212950** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 320666 Tax Parcel ID: 4222800330 Year Built: 1966 Registry Status: Not Determined	
CX962 **East** **1/2-1 mi** **3136**	**Not Reported** **29832 26TH AVE S** **Federal Way, WA**	**WAI201600495093** **WA HPI**
	Historic ID: 310015 Tax Parcel ID: 7682200320 Year Built: 1965 Registry Status: Not Determined	
DS963 **SE** **1/2-1 mi** **3142**	**Not Reported** **2326 S 304TH ST** **Federal Way, WA**	**WAI201600207348** **WA HPI**
	Historic ID: 304988 Tax Parcel ID: 0421049097 Year Built: 1962 Registry Status: Not Determined	
DA964 **NE** **1/2-1 mi** **3142**	**Not Reported** **29008 23RD AVE S** **Federal Way, WA**	**WAI201600064503** **WA HPI**
	Historic ID: 317245 Tax Parcel ID: 4222500150 Year Built: 1964 Registry Status: Not Determined	
DE965 **West** **1/2-1 mi** **3149**	**Not Reported** **631 S 298TH ST** **Federal Way, WA**	**WAI201600495099** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	310021	
	Tax Parcel ID:	5151900290	
	Year Built:	1960	
	Registry Status:	Not Determined	
DN966 **NNE** **1/2-1 mi** **3148**	**Not Reported** **28833 22ND AVE S** **Federal Way, WA**		**WAI201600138740** **WA HPI**
	Historic ID:	400429	
	Tax Parcel ID:	4222700070	
	Year Built:	1965	
	Registry Status:	Not Determined	
CV967 **SSW** **1/2-1 mi** **3152**	**Not Reported** **30459 11TH AVE S** **Federal Way, WA**		**WAI201600130694** **WA HPI**
	Historic ID:	396510	
	Tax Parcel ID:	0919000285	
	Year Built:	1964	
	Registry Status:	Not Determined	
CX968 **East** **1/2-1 mi** **3154**	**Not Reported** **29902 26TH AVE S** **Federal Way, WA**		**WAI201600425370** **WA HPI**
	Historic ID:	398684	
	Tax Parcel ID:	7682200310	
	Year Built:	1966	
	Registry Status:	Not Determined	
DN969 **NE** **1/2-1 mi** **3155**	**Not Reported** **28844 22ND AVE S** **Federal Way, WA**		**WAI201600063303** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 311808
Tax Parcel ID: 4222700330
Year Built: 1964
Registry Status: Not Determined

DT970
North
1/2-1 mi
3156

Not Reported
28717 PACIFIC HWY S
Federal Way, WA

WAI201600015743
WA HPI

Historic ID: 336453
Tax Parcel ID: 3322049158
Year Built: 1946
Registry Status: Not Determined

DJ971
WSW
1/2-1 mi
3155

Not Reported
606 S 301ST ST
Federal Way, WA

WAI201600416606
WA HPI

Historic ID: 393020
Tax Parcel ID: 5152000080
Year Built: 1961
Registry Status: Not Determined

DH972
SE
1/2-1 mi
3155

Not Reported
2215 S 304TH ST
Federal Way, WA

WAI201600025871
WA HPI

Historic ID: 391376
Tax Parcel ID: 0537000110
Year Built: 1930
Registry Status: Not Determined

DT973
North
1/2-1 mi
3162

28717 Pacific Hwy S
28717 Pacific Hwy S
Federal Way, WA 98003

WAI201600324773
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	673323	
	Tax Parcel ID:	3322049158	
	Year Built:	1946	
	Registry Status:	Determined Not Eligible	

DK974
SW
1/2-1 mi
3162

Not Reported
30439 10TH AVE S
Federal Way, WA

WAI201600210628
WA HPI

Historic ID:	314582
Tax Parcel ID:	0919000065
Year Built:	1967
Registry Status:	Not Determined

DR975
NNE
1/2-1 mi
3164

Not Reported
28807 20TH PL S
Federal Way, WA

WAI201600207955
WA HPI

Historic ID:	306253
Tax Parcel ID:	4222800090
Year Built:	1966
Registry Status:	Not Determined

CX976
East
1/2-1 mi
3164

Not Reported
29908 26TH AVE S
Federal Way, WA

WAI201600496409
WA HPI

Historic ID:	314280
Tax Parcel ID:	7682200300
Year Built:	1965
Registry Status:	Not Determined

DK977
SW
1/2-1 mi
3168

Not Reported
915 S 304TH ST
Federal Way, WA

WAI201600212645
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	320080	
	Tax Parcel ID:	0821049213	
	Year Built:	1967	
	Registry Status:	Not Determined	
DO978 **SSE** **1/2-1 mi** **3168**	**Not Reported** **1820 S 308TH ST** **Federal Way, WA**		**WAI201600391940** **WA HPI**
	Historic ID:	338724	
	Tax Parcel ID:	0921049134	
	Year Built:	1951	
	Registry Status:	Not Determined	
DU979 **NE** **1/2-1 mi** **3168**	**Not Reported** **29130 23RD PL S** **Federal Way, WA**		**WAI201600493576** **WA HPI**
	Historic ID:	305447	
	Tax Parcel ID:	4222600130	
	Year Built:	1964	
	Registry Status:	Not Determined	
DE980 **WSW** **1/2-1 mi** **3172**	**Not Reported** **29836 6TH AVE S** **Federal Way, WA**		**WAI201600026163** **WA HPI**
	Historic ID:	391947	
	Tax Parcel ID:	5152000030	
	Year Built:	1962	
	Registry Status:	Not Determined	
DH981 **SE** **1/2-1 mi** **3170**	**Not Reported** **2207 S 304TH ST** **Federal Way, WA**		**WAI201600210793** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	314841	
	Tax Parcel ID:	0537000100	
	Year Built:	1936	
	Registry Status:	Not Determined	
DJ982 **WSW** **1/2-1 mi** **3174**	**Not Reported** **29858 6TH AVE S** **Federal Way, WA**		**WAI201600213829** **WA HPI**
	Historic ID:	323911	
	Tax Parcel ID:	5152000070	
	Year Built:	1961	
	Registry Status:	Not Determined	
DV983 **SSW** **1/2-1 mi** **3175**	**Not Reported** **30604 11TH AVE S** **Federal Way, WA**		**WAI201600212183** **WA HPI**
	Historic ID:	319151	
	Tax Parcel ID:	0919000195	
	Year Built:	1966	
	Registry Status:	Not Determined	
DW984 **NE** **1/2-1 mi** **3176**	**Not Reported** **28841 23RD AVE S** **Federal Way, WA**		**WAI201600128430** **WA HPI**
	Historic ID:	390509	
	Tax Parcel ID:	4222500090	
	Year Built:	1964	
	Registry Status:	Not Determined	
DU985 **NE** **1/2-1 mi** **3177**	**Not Reported** **29017 23RD PL S** **Federal Way, WA**		**WAI201600418126** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	396061	
	Tax Parcel ID:	4222500310	
	Year Built:	1964	
	Registry Status:	Not Determined	
DJ986 **WSW** **1/2-1 mi** **3179**	**Not Reported** **617 S 301ST ST** **Federal Way, WA**		**WAI201600494756** **WA HPI**
	Historic ID:	309386	
	Tax Parcel ID:	5152000220	
	Year Built:	1961	
	Registry Status:	Not Determined	
DX987 **SW** **1/2-1 mi** **3178**	**Not Reported** **30452 10TH AVE S** **Federal Way, WA**		**WAI201600128025** **WA HPI**
	Historic ID:	389732	
	Tax Parcel ID:	0919000275	
	Year Built:	1963	
	Registry Status:	Not Determined	
DY988 **ESE** **1/2-1 mi** **3180**	**Not Reported** **29914 26TH AVE S** **Federal Way, WA**		**WAI201600215500** **WA HPI**
	Historic ID:	328786	
	Tax Parcel ID:	7682200290	
	Year Built:	1966	
	Registry Status:	Not Determined	
DH989 **SE** **1/2-1 mi** **3184**	**Not Reported** **2219 S 304TH ST** **Federal Way, WA**		**WAI201600138884** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 400666 Tax Parcel ID: 0537000115 Year Built: 1929 Registry Status: Not Determined	
DJ990 **WSW** **1/2-1 mi** **3184**	**Not Reported** **29848 6TH AVE S** **Federal Way, WA**	**WAI201600417107** **WA HPI**
	Historic ID: 393996 Tax Parcel ID: 5152000060 Year Built: 1961 Registry Status: Not Determined	
DB991 **SE** **1/2-1 mi** **3184**	**Not Reported** **2416 S 304TH ST** **Federal Way, WA**	**WAI201600497119** **WA HPI**
	Historic ID: 315663 Tax Parcel ID: 0421049121 Year Built: 1941 Registry Status: Not Determined	
DR992 **NNE** **1/2-1 mi** **3189**	**Not Reported** **28808 20TH PL S** **Federal Way, WA**	**WAI201600354405** **WA HPI**
	Historic ID: 323558 Tax Parcel ID: 4222800085 Year Built: 1965 Registry Status: Not Determined	
DZ993 **NNW** **1/2-1 mi** **3190**	**Not Reported** **28729 14TH AVE S** **Federal Way, WA**	**WAI201600495148** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 310165 Tax Parcel ID: 7203000640 Year Built: 1969 Registry Status: Not Determined	
DN994 **NNE** **1/2-1 mi** **3195**	**Not Reported** **28811 21ST AVE S** **Federal Way, WA**	**WAI201600212568** **WA HPI**
	Historic ID: 319910 Tax Parcel ID: 4222800020 Year Built: 1965 Registry Status: Not Determined	
EA995 **WSW** **1/2-1 mi** **3196**	**Not Reported** **30229 8TH AVE S** **Federal Way, WA**	**WAI201600026028** **WA HPI**
	Historic ID: 391626 Tax Parcel ID: 5152600080 Year Built: 1966 Registry Status: Not Determined	
DA996 **NE** **1/2-1 mi** **3195**	**Not Reported** **29002 23RD AVE S** **Federal Way, WA**	**WAI201600130533** **WA HPI**
	Historic ID: 396163 Tax Parcel ID: 4222500160 Year Built: 1965 Registry Status: Not Determined	
DI997 **WNW** **1/2-1 mi** **3195**	**Not Reported** **714 S 294TH PL** **Federal Way, WA**	**WAI201600210937** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	315172	
	Tax Parcel ID:	5152500110	
	Year Built:	1967	
	Registry Status:	Not Determined	
EA998 **WSW** **1/2-1 mi** **3197**	**Not Reported** **30225 8TH AVE S** **Federal Way, WA**		**WAI201600129743** **WA HPI**
	Historic ID:	394628	
	Tax Parcel ID:	5152600090	
	Year Built:	1967	
	Registry Status:	Not Determined	
DN999 **NNE** **1/2-1 mi** **3209**	**Not Reported** **28818 21ST AVE S** **Federal Way, WA**		**WAI201600209383** **WA HPI**
	Historic ID:	310605	
	Tax Parcel ID:	4222800340	
	Year Built:	1965	
	Registry Status:	Not Determined	
DN1000 **NNE** **1/2-1 mi** **3210**	**Not Reported** **28825 22ND AVE S** **Federal Way, WA**		**WAI201600499159** **WA HPI**
	Historic ID:	321325	
	Tax Parcel ID:	4222700080	
	Year Built:	1965	
	Registry Status:	Not Determined	
DU1001 **NE** **1/2-1 mi** **3212**	**Not Reported** **29126 23RD PL S** **Federal Way, WA**		**WAI201600493209** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 304697 Tax Parcel ID: 4222600140 Year Built: 1964 Registry Status: Not Determined	
DN1002 **NE** **1/2-1 mi** **3213**	**Not Reported** **28834 22ND AVE S** **Federal Way, WA**	**WAI201600210706** **WA HPI**
	Historic ID: 314754 Tax Parcel ID: 4222700350 Year Built: 1964 Registry Status: Not Determined	
DG1003 **NW** **1/2-1 mi** **3218**	**Not Reported** **28844 11TH AVE S** **Federal Way, WA**	**WAI201600497443** **WA HPI**
	Historic ID: 317881 Tax Parcel ID: 7205800060 Year Built: 1965 Registry Status: Not Determined	
DK1004 **SW** **1/2-1 mi** **3220**	**Not Reported** **30445 10TH AVE S** **Federal Way, WA**	**WAI201600065298** **WA HPI**
	Historic ID: 323331 Tax Parcel ID: 0919000060 Year Built: 1967 Registry Status: Not Determined	
DU1005 **NE** **1/2-1 mi** **3225**	**Not Reported** **29009 23RD PL S** **Federal Way, WA**	**WAI201600354153** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 323011
Tax Parcel ID: 4222500300
Year Built: 1964
Registry Status: Not Determined

EB1006
ESE
1/2-1 mi
3228

Not Reported
30201 25TH PL S
Federal Way, WA

WAI201600025464
WA HPI

Historic ID: 390597
Tax Parcel ID: 3655000160
Year Built: 1968
Registry Status: Not Determined

EC1007
WSW
1/2-1 mi
3233

Not Reported
616 S 302ND ST
Federal Way, WA

WAI201600211235
WA HPI

Historic ID: 315752
Tax Parcel ID: 5152000250
Year Built: 1967
Registry Status: Not Determined

DW1008
NE
1/2-1 mi
3232

Not Reported
28839 23RD AVE S
Federal Way, WA

WAI201600130981
WA HPI

Historic ID: 397076
Tax Parcel ID: 4222500080
Year Built: 1963
Registry Status: Not Determined

ED1009
West
1/2-1 mi
3238

Not Reported
618 S 298TH ST
Federal Way, WA

WAI201600494143
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 306590 Tax Parcel ID: 5151900140 Year Built: 1961 Registry Status: Not Determined	
DV1010 **SW** **1/2-1 mi** **3237**	**Not Reported** **30462 10TH AVE S** **Federal Way, WA**	**WAI201600209192** **WA HPI**
	Historic ID: 310224 Tax Parcel ID: 0919000280 Year Built: 1963 Registry Status: Not Determined	
DL1011 **South** **1/2-1 mi** **3240**	**Oriental Garden Center** **30650 Pacific Hwy S** **Federal Way, WA 98003**	**WAI201600318369** **WA HPI**
	Historic ID: 673475 Tax Parcel ID: 0921049120 Year Built: 1962 Registry Status: Determined Not Eligible	
DV1012 **SSW** **1/2-1 mi** **3241**	**Not Reported** **30612 11TH AVE S** **Federal Way, WA**	**WAI201600315428** **WA HPI**
	Historic ID: 390739 Tax Parcel ID: 0919000190 Year Built: 1966 Registry Status: Not Determined	
ED1013 **West** **1/2-1 mi** **3243**	**Not Reported** **621 S 298TH ST** **Federal Way, WA**	**WAI201600128968** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	393109	
	Tax Parcel ID:	5151900300	
	Year Built:	1961	
	Registry Status:	Not Determined	
DW1014 **NE** **1/2-1 mi** **3243**	**Not Reported** **28852 23RD AVE S** **Federal Way, WA**		**WAI201600416390** **WA HPI**
	Historic ID:	392519	
	Tax Parcel ID:	4222500170	
	Year Built:	1963	
	Registry Status:	Not Determined	
EA1015 **WSW** **1/2-1 mi** **3247**	**Not Reported** **30203 8TH AVE S** **Federal Way, WA**		**WAI201600495089** **WA HPI**
	Historic ID:	310011	
	Tax Parcel ID:	5152000300	
	Year Built:	1963	
	Registry Status:	Not Determined	
EB1016 **ESE** **1/2-1 mi** **3256**	**Not Reported** **30205 25TH PL S** **Federal Way, WA**		**WAI201600495931** **WA HPI**
	Historic ID:	313232	
	Tax Parcel ID:	3655000170	
	Year Built:	1968	
	Registry Status:	Not Determined	
DY1017 **ESE** **1/2-1 mi** **3257**	**Not Reported** **2614 S 300TH ST** **Federal Way, WA**		**WAI201600130456** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 395993 Tax Parcel ID: 7985000090 Year Built: 1967 Registry Status: Not Determined	
DU1018 **NE** **1/2-1 mi** **3259**	**Not Reported** **29020 23RD PL S** **Federal Way, WA**	**WAI201600214906** **WA HPI**
	Historic ID: 326118 Tax Parcel ID: 4222500330 Year Built: 1963 Registry Status: Not Determined	
DN1019 **NNE** **1/2-1 mi** **3259**	**Not Reported** **28805 21ST AVE S** **Federal Way, WA**	**WAI201600497472** **WA HPI**
	Historic ID: 317913 Tax Parcel ID: 4222800010 Year Built: 1966 Registry Status: Not Determined	
DT1020 **North** **1/2-1 mi** **3261**	**Not Reported** **28707 PACIFIC HWY S** **Federal Way, WA**	**WAI201600015745** **WA HPI**
	Historic ID: 336455 Tax Parcel ID: 3322049057 Year Built: 1966 Registry Status: Not Determined	
EE1021 **SE** **1/2-1 mi** **3260**	**Not Reported** **2231 S 304TH ST** **Federal Way, WA**	**WAI201600064392** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	317040	
	Tax Parcel ID:	0537000130	
	Year Built:	1927	
	Registry Status:	Not Determined	
DJ1022 **WSW** **1/2-1 mi** **3263**	**Not Reported** **611 S 301ST ST** **Federal Way, WA**		**WAI201600207655** **WA HPI**
	Historic ID:	305575	
	Tax Parcel ID:	5152000210	
	Year Built:	1962	
	Registry Status:	Not Determined	
DL1023 **South** **1/2-1 mi** **3265**	**Not Reported** **30650 PACIFIC HWY S** **Federal Way, WA**		**WAI201600305757** **WA HPI**
	Historic ID:	336465	
	Tax Parcel ID:	0921049120	
	Year Built:	1962	
	Registry Status:	Not Determined	
DI1024 **WNW** **1/2-1 mi** **3267**	**Not Reported** **29304 8TH AVE S** **Federal Way, WA**		**WAI201600494757** **WA HPI**
	Historic ID:	309387	
	Tax Parcel ID:	5152800230	
	Year Built:	1967	
	Registry Status:	Not Determined	
DW1025 **NE** **1/2-1 mi** **3271**	**Not Reported** **29001 23RD PL S** **Federal Way, WA**		**WAI201600064046** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 316320 Tax Parcel ID: 4222500290 Year Built: 1963 Registry Status: Not Determined	
DT1026 **North** **1/2-1 mi** **3271**	**28707 Pacific Hwy S** **28707 Pacific Hwy S** **Federal Way, WA 98003**	**WAI201600324772** **WA HPI**
	Historic ID: 673322 Tax Parcel ID: 3322049057 Year Built: 1966 Registry Status: Determined Not Eligible	
DG1027 **NW** **1/2-1 mi** **3272**	**Not Reported** **1030 S 289TH ST** **Federal Way, WA**	**WAI201600025709** **WA HPI**
	Historic ID: 391028 Tax Parcel ID: 7205800050 Year Built: 1962 Registry Status: Not Determined	
DN1028 **NNE** **1/2-1 mi** **3273**	**Not Reported** **28810 21ST AVE S** **Federal Way, WA**	**WAI201600415634** **WA HPI**
	Historic ID: 389499 Tax Parcel ID: 4222800350 Year Built: 1966 Registry Status: Not Determined	
DN1029 **NE** **1/2-1 mi** **3275**	**Not Reported** **28826 22ND AVE S** **Federal Way, WA**	**WAI201600213123** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	321028	
	Tax Parcel ID:	4222700360	
	Year Built:	1964	
	Registry Status:	Not Determined	
DX1030 **SW** **1/2-1 mi** **3279**	**Not Reported** **30453 10TH AVE S** **Federal Way, WA**		**WAI201600417462** **WA HPI**
	Historic ID:	394731	
	Tax Parcel ID:	0919000055	
	Year Built:	1967	
	Registry Status:	Not Determined	
EB1031 **ESE** **1/2-1 mi** **3277**	**Not Reported** **2500 S 302ND PL** **Federal Way, WA**		**WAI201600131233** **WA HPI**
	Historic ID:	397607	
	Tax Parcel ID:	3655000150	
	Year Built:	1968	
	Registry Status:	Not Determined	
EE1032 **SE** **1/2-1 mi** **3283**	**Not Reported** **2301 S 304TH ST** **Federal Way, WA**		**WAI201600497767** **WA HPI**
	Historic ID:	318495	
	Tax Parcel ID:	0537000135	
	Year Built:	1943	
	Registry Status:	Not Determined	
DW1033 **NE** **1/2-1 mi** **3283**	**Not Reported** **28833 23RD AVE S** **Federal Way, WA**		**WAI201600352518** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	312096	
	Tax Parcel ID:	4222500070	
	Year Built:	1964	
	Registry Status:	Not Determined	
DN1034 **NNE** **1/2-1 mi** **3285**	**Not Reported** **28819 22ND AVE S** **Federal Way, WA**		**WAI201600354481** **WA HPI**
	Historic ID:	326659	
	Tax Parcel ID:	4222700090	
	Year Built:	1965	
	Registry Status:	Not Determined	
EF1035 **WSW** **1/2-1 mi** **3289**	**Not Reported** **29832 6TH AVE S** **Federal Way, WA**		**WAI201600214059** **WA HPI**
	Historic ID:	324423	
	Tax Parcel ID:	5152000020	
	Year Built:	1962	
	Registry Status:	Not Determined	
EA1036 **WSW** **1/2-1 mi** **3290**	**Not Reported** **30207 8TH AVE S** **Federal Way, WA**		**WAI201600499589** **WA HPI**
	Historic ID:	323752	
	Tax Parcel ID:	5152000290	
	Year Built:	1963	
	Registry Status:	Not Determined	
DM1037 **WNW** **1/2-1 mi** **3290**	**Not Reported** **707 S 295TH PL** **Federal Way, WA**		**WAI201600499659** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 323917 Tax Parcel ID: 5152100170 Year Built: 1961 Registry Status: Not Determined	
DW1038 **NE** **1/2-1 mi** **3292**	**Not Reported** **28846 23RD AVE S** **Federal Way, WA**	**WAI201600426235** **WA HPI**
	Historic ID: 400404 Tax Parcel ID: 4222500180 Year Built: 1964 Registry Status: Not Determined	
DK1039 **SW** **1/2-1 mi** **3295**	**Not Reported** **30448 9TH AVE S** **Federal Way, WA**	**WAI201600212999** **WA HPI**
	Historic ID: 320811 Tax Parcel ID: 1745000120 Year Built: 1967 Registry Status: Not Determined	
DV1040 **SSW** **1/2-1 mi** **3296**	**Not Reported** **30607 11TH AVE S** **Federal Way, WA**	**WAI201600209943** **WA HPI**
	Historic ID: 313243 Tax Parcel ID: 0919000125 Year Built: 1963 Registry Status: Not Determined	
EA1041 **WSW** **1/2-1 mi** **3295**	**Not Reported** **30221 8TH AVE S** **Federal Way, WA**	**WAI201600062953** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	308147	
	Tax Parcel ID:	5152000280	
	Year Built:	1968	
	Registry Status:	Not Determined	
EG1042 **South** **1/2-1 mi** **3298**	**Not Reported** **1648 S 308TH ST** **Federal Way, WA**		**WAI201600105964** **WA HPI**
	Historic ID:	344778	
	Tax Parcel ID:	0921049154	
	Year Built:	1953	
	Registry Status:	Not Determined	
DK1043 **SW** **1/2-1 mi** **3299**	**Not Reported** **30452 9TH AVE S** **Federal Way, WA**		**WAI201600209165** **WA HPI**
	Historic ID:	310104	
	Tax Parcel ID:	1745000110	
	Year Built:	1968	
	Registry Status:	Not Determined	
DY1044 **ESE** **1/2-1 mi** **3303**	**Not Reported** **2613 S 300TH ST** **Federal Way, WA**		**WAI201600498103** **WA HPI**
	Historic ID:	319213	
	Tax Parcel ID:	7985000100	
	Year Built:	1967	
	Registry Status:	Not Determined	
EB1045 **ESE** **1/2-1 mi** **3303**	**Not Reported** **30213 25TH PL S** **Federal Way, WA**		**WAI201600354077** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 322840 Tax Parcel ID: 3655000180 Year Built: 1968 Registry Status: Not Determined	
DV1046 **SSW** **1/2-1 mi** **3304**	**Not Reported** **30620 11TH AVE S** **Federal Way, WA**	**WAI201600415648** **WA HPI**
	Historic ID: 389513 Tax Parcel ID: 0919000185 Year Built: 1966 Registry Status: Not Determined	
EC1047 **WSW** **1/2-1 mi** **3307**	**Not Reported** **621 S 302ND ST** **Federal Way, WA**	**WAI201600497044** **WA HPI**
	Historic ID: 315490 Tax Parcel ID: 5152000310 Year Built: 1968 Registry Status: Not Determined	
DO1048 **SSE** **1/2-1 mi** **3306**	**Not Reported** **2000 S 308TH ST** **Federal Way, WA**	**WAI201600425892** **WA HPI**
	Historic ID: 399776 Tax Parcel ID: 0537000340 Year Built: 1932 Registry Status: Not Determined	
DU1049 **NE** **1/2-1 mi** **3306**	**Not Reported** **29211 MILITARY RD S** **Federal Way, WA**	**WAI201600213437** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 321628 Tax Parcel ID: 0421049096 Year Built: 1953 Registry Status: Not Determined	
DU1050 **NE** **1/2-1 mi** **3309**	**Not Reported** **29012 23RD PL S** **Federal Way, WA**	**WAI201600064588** **WA HPI**
	Historic ID: 317428 Tax Parcel ID: 4222500340 Year Built: 1963 Registry Status: Not Determined	
DM1051 **WNW** **1/2-1 mi** **3311**	**Not Reported** **639 S 295TH PL** **Federal Way, WA**	**WAI201600025823** **WA HPI**
	Historic ID: 391235 Tax Parcel ID: 5152100181 Year Built: 1962 Registry Status: Not Determined	
DR1052 **NNE** **1/2-1 mi** **3311**	**Not Reported** **28707 20TH AVE S** **Federal Way, WA**	**WAI201600499771** **WA HPI**
	Historic ID: 324126 Tax Parcel ID: 4222000400 Year Built: 1966 Registry Status: Not Determined	
DZ1053 **NNW** **1/2-1 mi** **3312**	**Not Reported** **28715 14TH AVE S** **Federal Way, WA**	**WAI201600493886** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 306044 Tax Parcel ID: 7203000630 Year Built: 1969 Registry Status: Not Determined	
DP1054 **North** **1/2-1 mi** **3314**	**Not Reported** **28704 15TH AVE S** **Federal Way, WA**	**WAI201600418176** **WA HPI**
	Historic ID: 396206 Tax Parcel ID: 7203000210 Year Built: 1967 Registry Status: Not Determined	
EG1055 **South** **1/2-1 mi** **3314**	**Not Reported** **1808 S 308TH ST** **Federal Way, WA**	**WAI201600493977** **WA HPI**
	Historic ID: 306234 Tax Parcel ID: 0921049167 Year Built: 1955 Registry Status: Not Determined	
EC1056 **WSW** **1/2-1 mi** **3317**	**Not Reported** **630 S 302ND ST** **Federal Way, WA**	**WAI201600498900** **WA HPI**
	Historic ID: 320777 Tax Parcel ID: 5152000260 Year Built: 1967 Registry Status: Not Determined	
DW1057 **NE** **1/2-1 mi** **3318**	**Not Reported** **28855 23RD PL S** **Federal Way, WA**	**WAI201600495942** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 313338 Tax Parcel ID: 4222500280 Year Built: 1963 Registry Status: Not Determined	
DO1058 **SSE** **1/2-1 mi** **3319**	**Not Reported** **2006 S 308TH ST** **Federal Way, WA**	**WAI201600499359** **WA HPI**
	Historic ID: 321718 Tax Parcel ID: 0537000335 Year Built: 1967 Registry Status: Not Determined	
EC1059 **WSW** **1/2-1 mi** **3321**	**Not Reported** **607 S 301ST ST** **Federal Way, WA**	**WAI201600496793** **WA HPI**
	Historic ID: 315049 Tax Parcel ID: 5152000200 Year Built: 1961 Registry Status: Not Determined	
DT1060 **North** **1/2-1 mi** **3321**	**Paycheck Loans/Emergency Cash** **28631 Pacific Hwy S** **Federal Way, WA 98003**	**WAI201600193720** **WA HPI**
	Historic ID: 36278 Tax Parcel ID: 3322049155 Year Built: 1948 Registry Status: Not Determined	
ED1061 **West** **1/2-1 mi** **3325**	**Not Reported** **612 S 298TH ST** **Federal Way, WA**	**WAI201600130515** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 396145
Tax Parcel ID: 5151900150
Year Built: 1961
Registry Status: Not Determined

DT1062
North
1/2-1 mi
3326

Pacific Custom Mirrors & Glass, J n B Furniture
28631 Pacific S
Federal Way, WA 98003

WAI201600324771
WA HPI

Historic ID: 673321
Tax Parcel ID: 3322049155
Year Built: 1948
Registry Status: Determined Not Eligible, Not Determined

DJ1063
WSW
1/2-1 mi
3327

Not Reported
29859 6TH AVE S
Federal Way, WA

WAI201600062489
WA HPI

Historic ID: 307213
Tax Parcel ID: 5152000190
Year Built: 1963
Registry Status: Not Determined

DX1064
SW
1/2-1 mi
3329

Not Reported
30461 10TH AVE S
Federal Way, WA

WAI201600064823
WA HPI

Historic ID: 322384
Tax Parcel ID: 0919000050
Year Built: 1963
Registry Status: Not Determined

DY1065
ESE
1/2-1 mi
3331

Not Reported
2620 S 300TH ST
Federal Way, WA

WAI201600352408
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 311891
Tax Parcel ID: 7985000080
Year Built: 1967
Registry Status: Not Determined

ED1066
West
1/2-1 mi
3334

Not Reported
613 S 298TH ST
Federal Way, WA

WAI201600213427
WA HPI

Historic ID: 321618
Tax Parcel ID: 5151900310
Year Built: 1960
Registry Status: Not Determined

EE1067
SE
1/2-1 mi
3331

Not Reported
2309 S 304TH ST
Federal Way, WA

WAI201600352931
WA HPI

Historic ID: 312987
Tax Parcel ID: 0537000145
Year Built: 1930
Registry Status: Not Determined

DN1068
NE
1/2-1 mi
3336

Not Reported
2207 S 288TH PL
Federal Way, WA

WAI201600495161
WA HPI

Historic ID: 310178
Tax Parcel ID: 4222700370
Year Built: 1964
Registry Status: Not Determined

DQ1069
East
1/2-1 mi
3335

Not Reported
2621 S 298TH ST
Federal Way, WA

WAI201600211821
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 318415 Tax Parcel ID: 7683800270 Year Built: 1946 Registry Status: Not Determined	
EB1070 **ESE** **1/2-1 mi** **3336**	**Not Reported** **30221 25TH PL S** **Federal Way, WA**	**WAI201600130543** **WA HPI**
	Historic ID: 396173 Tax Parcel ID: 3655000190 Year Built: 1968 Registry Status: Not Determined	
DW1071 **NE** **1/2-1 mi** **3341**	**Not Reported** **28840 23RD AVE S** **Federal Way, WA**	**WAI201600213608** **WA HPI**
	Historic ID: 321985 Tax Parcel ID: 4222500190 Year Built: 1964 Registry Status: Not Determined	
DW1072 **NE** **1/2-1 mi** **3341**	**Not Reported** **28815 23RD AVE S** **Federal Way, WA**	**WAI201600213601** **WA HPI**
	Historic ID: 321978 Tax Parcel ID: 4222500060 Year Built: 1964 Registry Status: Not Determined	
EH1073 **SSE** **1/2-1 mi** **3343**	**Not Reported** **2010 S 308TH ST** **Federal Way, WA**	**WAI201600129065** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 393299
Tax Parcel ID: 0537000325
Year Built: 1957
Registry Status: Not Determined

DN1074
NNE
1/2-1 mi
3343

Not Reported
28804 21ST AVE S
Federal Way, WA

WAI201600129159
WA HPI

Historic ID: 393486
Tax Parcel ID: 4222800360
Year Built: 1966
Registry Status: Not Determined

EI1075
SW
1/2-1 mi
3347

Not Reported
30456 9TH AVE S
Federal Way, WA

WAI201600064704
WA HPI

Historic ID: 322172
Tax Parcel ID: 1745000100
Year Built: 1967
Registry Status: Not Determined

EJ1076
WNW
1/2-1 mi
3348

Not Reported
29315 8TH AVE S
Federal Way, WA

WAI201600494004
WA HPI

Historic ID: 306356
Tax Parcel ID: 5152800190
Year Built: 1968
Registry Status: Not Determined

DY1077
ESE
1/2-1 mi
3356

Not Reported
2618 S 301ST ST
Federal Way, WA

WAI201600209095
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 310034 Tax Parcel ID: 7985000150 Year Built: 1967 Registry Status: Not Determined	
DU1078 **NE** **1/2-1 mi** **3358**	**Not Reported** **29006 23RD PL S** **Federal Way, WA**	**WAI201600495895** **WA HPI**
	Historic ID: 313196 Tax Parcel ID: 4222500350 Year Built: 1963 Registry Status: Not Determined	
EI1079 **SW** **1/2-1 mi** **3358**	**Not Reported** **30430 8TH PL S** **Federal Way, WA**	**WAI201600425963** **WA HPI**
	Historic ID: 399847 Tax Parcel ID: 1745100050 Year Built: 1968 Registry Status: Not Determined	
DN1080 **NNE** **1/2-1 mi** **3361**	**Not Reported** **28813 22ND AVE S** **Federal Way, WA**	**WAI201600062859** **WA HPI**
	Historic ID: 307958 Tax Parcel ID: 4222700100 Year Built: 1966 Registry Status: Not Determined	
EK1081 **NNE** **1/2-1 mi** **3362**	**Not Reported** **1900 S 288TH ST** **Federal Way, WA**	**WAI201600393458** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	341860	
	Tax Parcel ID:	3322049159	
	Year Built:	1965	
	Registry Status:	Not Determined	
EH1082 **SSE** **1/2-1 mi** **3362**	**Not Reported** **2014 S 308TH ST** **Federal Way, WA**		**WAI201600416666** **WA HPI**
	Historic ID:	393080	
	Tax Parcel ID:	0537000320	
	Year Built:	1958	
	Registry Status:	Not Determined	
EI1083 **SW** **1/2-1 mi** **3364**	**Not Reported** **30449 9TH AVE S** **Federal Way, WA**		**WAI201600129880** **WA HPI**
	Historic ID:	394858	
	Tax Parcel ID:	1745000130	
	Year Built:	1968	
	Registry Status:	Not Determined	
DV1084 **SSW** **1/2-1 mi** **3364**	**Not Reported** **30619 11TH AVE S** **Federal Way, WA**		**WAI201600130960** **WA HPI**
	Historic ID:	397055	
	Tax Parcel ID:	0919000130	
	Year Built:	1966	
	Registry Status:	Not Determined	
ED1085 **West** **1/2-1 mi** **3366**	**Not Reported** **29820 6TH AVE S** **Federal Way, WA**		**WAI201600211515** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	317825	
	Tax Parcel ID:	5152000010	
	Year Built:	1963	
	Registry Status:	Not Determined	
DW1086 **NE** **1/2-1 mi** **3364**	**Not Reported** **28849 23RD PL S** **Federal Way, WA**		**WAI201600418079** **WA HPI**
	Historic ID:	396014	
	Tax Parcel ID:	4222500270	
	Year Built:	1963	
	Registry Status:	Not Determined	
EB1087 **ESE** **1/2-1 mi** **3365**	**Not Reported** **2508 S 302ND PL** **Federal Way, WA**		**WAI201600072156** **WA HPI**
	Historic ID:	327993	
	Tax Parcel ID:	3655000140	
	Year Built:	1968	
	Registry Status:	Not Determined	
DV1088 **SSW** **1/2-1 mi** **3366**	**Not Reported** **30626 11TH AVE S** **Federal Way, WA**		**WAI201600493937** **WA HPI**
	Historic ID:	306191	
	Tax Parcel ID:	0919000180	
	Year Built:	1966	
	Registry Status:	Not Determined	
DV1089 **SSW** **1/2-1 mi** **3369**	**Not Reported** **1003 S 306TH ST** **Federal Way, WA**		**WAI201600131401** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	397868	
	Tax Parcel ID:	0919000120	
	Year Built:	1966	
	Registry Status:	Not Determined	
DP1090 **North** **1/2-1 mi** **3371**	**Not Reported** **28701 15TH AVE S** **Federal Way, WA**		**WAI201600025634** **WA HPI**
	Historic ID:	390860	
	Tax Parcel ID:	7203000285	
	Year Built:	1966	
	Registry Status:	Not Determined	
DY1091 **ESE** **1/2-1 mi** **3374**	**Not Reported** **2619 S 300TH ST** **Federal Way, WA**		**WAI201600208477** **WA HPI**
	Historic ID:	308757	
	Tax Parcel ID:	7985000110	
	Year Built:	1967	
	Registry Status:	Not Determined	
EB1092 **ESE** **1/2-1 mi** **3379**	**Not Reported** **30229 25TH PL S** **Federal Way, WA**		**WAI201600214453** **WA HPI**
	Historic ID:	325193	
	Tax Parcel ID:	3655000200	
	Year Built:	1968	
	Registry Status:	Not Determined	
EH1093 **SSE** **1/2-1 mi** **3381**	**Not Reported** **2018 S 308TH ST** **Federal Way, WA**		**WAI201600493403** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 305084
Tax Parcel ID: 0537000315
Year Built: 1941
Registry Status: Not Determined

DR1094
NNE
1/2-1 mi
3381

Not Reported
28701 20TH AVE S
Federal Way, WA

WAI201600062900
WA HPI

Historic ID: 307999
Tax Parcel ID: 4222000390
Year Built: 1966
Registry Status: Not Determined

EL1095
ESE
1/2-1 mi
3382

Not Reported
2617 S 301ST ST
Federal Way, WA

WAI201600500807
WA HPI

Historic ID: 326219
Tax Parcel ID: 7985000160
Year Built: 1967
Registry Status: Not Determined

EC1096
WSW
1/2-1 mi
3386

Not Reported
604 S 302ND ST
Federal Way, WA

WAI201600208415
WA HPI

Historic ID: 308601
Tax Parcel ID: 5152000270
Year Built: 1968
Registry Status: Not Determined

DO1097
SSE
1/2-1 mi
3384

Not Reported
1902 S 308TH ST
Federal Way, WA

WAI201600497510
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 317951 Tax Parcel ID: 0921049135 Year Built: 1944 Registry Status: Not Determined	
EM1098 **ENE** **1/2-1 mi** **3387**	**Not Reported** **29215 MILITARY RD S** **Federal Way, WA**	**WAI201600063261** **WA HPI**
	Historic ID: 311763 Tax Parcel ID: 0421049128 Year Built: 1924 Registry Status: Not Determined	
DP1099 **North** **1/2-1 mi** **3389**	**Not Reported** **28700 15TH AVE S** **Federal Way, WA**	**WAI201600417453** **WA HPI**
	Historic ID: 394722 Tax Parcel ID: 7203000205 Year Built: 1967 Registry Status: Not Determined	
DR1100 **NNE** **1/2-1 mi** **3390**	**Not Reported** **2005 S 287TH PL** **Federal Way, WA**	**WAI201600208091** **WA HPI**
	Historic ID: 306482 Tax Parcel ID: 4222000010 Year Built: 1966 Registry Status: Not Determined	
DW1101 **NE** **1/2-1 mi** **3391**	**Not Reported** **28834 23RD AVE S** **Federal Way, WA**	**WAI201600425969** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	399853	
	Tax Parcel ID:	4222500200	
	Year Built:	1964	
	Registry Status:	Not Determined	
DZ1102 **NNW** **1/2-1 mi** **3395**	**Not Reported** **1405 S 287TH ST** **Federal Way, WA**		**WAI201600129197** **WA HPI**
	Historic ID:	393524	
	Tax Parcel ID:	7203000360	
	Year Built:	1968	
	Registry Status:	Not Determined	
EE1103 **SE** **1/2-1 mi** **3395**	**Not Reported** **2317 S 304TH ST** **Federal Way, WA**		**WAI201600062457** **WA HPI**
	Historic ID:	307086	
	Tax Parcel ID:	0537000155	
	Year Built:	1943	
	Registry Status:	Not Determined	
EJ1104 **WNW** **1/2-1 mi** **3399**	**Not Reported** **29324 7TH PL S** **Federal Way, WA**		**WAI201600496029** **WA HPI**
	Historic ID:	313425	
	Tax Parcel ID:	5152700120	
	Year Built:	1968	
	Registry Status:	Not Determined	
EH1105 **SSE** **1/2-1 mi** **3396**	**Not Reported** **2022 S 308TH ST** **Federal Way, WA**		**WAI201600137913** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 398765 Tax Parcel ID: 0537000310 Year Built: 1930 Registry Status: Not Determined	
DX1106 **SW** **1/2-1 mi** **3400**	**Not Reported** **30467 10TH AVE S** **Federal Way, WA**	**WAI201600501272** **WA HPI**
	Historic ID: 328675 Tax Parcel ID: 0919000043 Year Built: 1963 Registry Status: Not Determined	
DY1107 **East** **1/2-1 mi** **3401**	**Not Reported** **2628 S 300TH ST** **Federal Way, WA**	**WAI201600138055** **WA HPI**
	Historic ID: 399000 Tax Parcel ID: 7985000070 Year Built: 1967 Registry Status: Not Determined	
DW1108 **NE** **1/2-1 mi** **3403**	**Not Reported** **28809 23RD AVE S** **Federal Way, WA**	**WAI201600025624** **WA HPI**
	Historic ID: 390850 Tax Parcel ID: 4222500050 Year Built: 1964 Registry Status: Not Determined	
EI1109 **SW** **1/2-1 mi** **3405**	**Not Reported** **30436 8TH PL S** **Federal Way, WA**	**WAI201600495959** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 313355 Tax Parcel ID: 1745100040 Year Built: 1968 Registry Status: Not Determined	
ED1110 **West** **1/2-1 mi** **3407**	**Not Reported** **604 S 298TH ST** **Federal Way, WA**	**WAI201600064509** **WA HPI**
	Historic ID: 317251 Tax Parcel ID: 5151900160 Year Built: 1960 Registry Status: Not Determined	
EN1111 **NNE** **1/2-1 mi** **3407**	**Not Reported** **2200 S 288TH PL** **Federal Way, WA**	**WAI201600210180** **WA HPI**
	Historic ID: 313666 Tax Parcel ID: 4222700110 Year Built: 1964 Registry Status: Not Determined	
EO1112 **NW** **1/2-1 mi** **3409**	**Not Reported** **28827 11TH AVE S** **Federal Way, WA**	**WAI201600352641** **WA HPI**
	Historic ID: 312411 Tax Parcel ID: 7205800030 Year Built: 1966 Registry Status: Not Determined	
DW1113 **NE** **1/2-1 mi** **3412**	**Not Reported** **28843 23RD PL S** **Federal Way, WA**	**WAI201600064575** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	317410	
	Tax Parcel ID:	4222500260	
	Year Built:	1963	
	Registry Status:	Not Determined	
EP1114 **SW** **1/2-1 mi** **3415**	**Not Reported** **30402 8TH AVE S** **Federal Way, WA**		**WAI201600426114** **WA HPI**
	Historic ID:	400188	
	Tax Parcel ID:	0918000005	
	Year Built:	1964	
	Registry Status:	Not Determined	
EB1115 **ESE** **1/2-1 mi** **3415**	**Not Reported** **2507 S 302ND PL** **Federal Way, WA**		**WAI201600499390** **WA HPI**
	Historic ID:	321844	
	Tax Parcel ID:	3655000260	
	Year Built:	1968	
	Registry Status:	Not Determined	
ED1116 **West** **1/2-1 mi** **3420**	**Not Reported** **29808 6TH AVE S** **Federal Way, WA**		**WAI201600130841** **WA HPI**
	Historic ID:	396750	
	Tax Parcel ID:	5151900320	
	Year Built:	1960	
	Registry Status:	Not Determined	
EQ1117 **ESE** **1/2-1 mi** **3416**	**Not Reported** **30235 25TH PL S** **Federal Way, WA**		**WAI201600071807** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	327269	
	Tax Parcel ID:	3655000210	
	Year Built:	1968	
	Registry Status:	Not Determined	
EI1118 **SW** **1/2-1 mi** **3419**	**Not Reported** **30460 9TH AVE S** **Federal Way, WA**		**WAI201600353919** **WA HPI**
	Historic ID:	322489	
	Tax Parcel ID:	1745000090	
	Year Built:	1967	
	Registry Status:	Not Determined	
DR1119 **NNE** **1/2-1 mi** **3418**	**Not Reported** **2011 S 287TH PL** **Federal Way, WA**		**WAI201600071780** **WA HPI**
	Historic ID:	327242	
	Tax Parcel ID:	4222000020	
	Year Built:	1966	
	Registry Status:	Not Determined	
EE1120 **SE** **1/2-1 mi** **3423**	**Not Reported** **2321 S 304TH ST** **Federal Way, WA**		**WAI201600063980** **WA HPI**
	Historic ID:	316161	
	Tax Parcel ID:	0537000160	
	Year Built:	1932	
	Registry Status:	Not Determined	
ER1121 **WSW** **1/2-1 mi** **3427**	**Not Reported** **29853 6TH AVE S** **Federal Way, WA**		**WAI201600494005** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 306357 Tax Parcel ID: 5152000180 Year Built: 1962 Registry Status: Not Determined	
DV1122 **SSW** **1/2-1 mi** **3429**	**Not Reported** **30634 11TH AVE S** **Federal Way, WA**	**WAI201600207736** **WA HPI**
	Historic ID: 305751 Tax Parcel ID: 0919000175 Year Built: 1966 Registry Status: Not Determined	
DZ1123 **NNW** **1/2-1 mi** **3431**	**Not Reported** **28705 14TH AVE S** **Federal Way, WA**	**WAI201600207358** **WA HPI**
	Historic ID: 304998 Tax Parcel ID: 7203000620 Year Built: 1966 Registry Status: Not Determined	
EL1124 **ESE** **1/2-1 mi** **3438**	**Not Reported** **2621 S 301ST ST** **Federal Way, WA**	**WAI201600064993** **WA HPI**
	Historic ID: 322744 Tax Parcel ID: 7985000170 Year Built: 1967 Registry Status: Not Determined	
DX1125 **SSW** **1/2-1 mi** **3438**	**Not Reported** **30610 10TH AVE S** **Federal Way, WA**	**WAI201600418698** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 397203
Tax Parcel ID: 0919000115
Year Built: 1963
Registry Status: Not Determined

EA1126
SW
1/2-1 mi
3438

Not Reported
720 S 304TH ST
Federal Way, WA

WAI201600416149
WA HPI

Historic ID: 392088
Tax Parcel ID: 0643000200
Year Built: 1960
Registry Status: Not Determined

DS1127
SE
1/2-1 mi
3439

Not Reported
2417 S 304TH ST
Federal Way, WA

WAI201600072221
WA HPI

Historic ID: 328059
Tax Parcel ID: 0921049002
Year Built: 1949
Registry Status: Not Determined

DW1128
NE
1/2-1 mi
3439

Not Reported
28826 23RD AVE S
Federal Way, WA

WAI201600207040
WA HPI

Historic ID: 304399
Tax Parcel ID: 4222500210
Year Built: 1964
Registry Status: Not Determined

ES1129
South
1/2-1 mi
3442

Hair Essentials
1443 S 308th St
Federal Way, WA 98003

WAI201600028634
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 673599 Tax Parcel ID: 2503000035 Year Built: 1954 Registry Status: Determined Not Eligible	
ET1130 **NE** **1/2-1 mi** **3441**	**Not Reported** **28850 23RD PL S** **Federal Way, WA**	**WAI201600352319** **WA HPI**
	Historic ID: 311703 Tax Parcel ID: 4222500360 Year Built: 1963 Registry Status: Not Determined	
EP1131 **SW** **1/2-1 mi** **3443**	**Not Reported** **30427 8TH PL S** **Federal Way, WA**	**WAI201600213255** **WA HPI**
	Historic ID: 321257 Tax Parcel ID: 1745100060 Year Built: 1968 Registry Status: Not Determined	
DV1132 **SSW** **1/2-1 mi** **3442**	**Not Reported** **30625 11TH AVE S** **Federal Way, WA**	**WAI201600064558** **WA HPI**
	Historic ID: 317300 Tax Parcel ID: 0919000135 Year Built: 1966 Registry Status: Not Determined	
EL1133 **ESE** **1/2-1 mi** **3444**	**Not Reported** **2616 S 302ND ST** **Federal Way, WA**	**WAI201600497017** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	315463	
	Tax Parcel ID:	7985000210	
	Year Built:	1967	
	Registry Status:	Not Determined	
EF1134 **WSW** **1/2-1 mi** **3448**	**Not Reported** **29833 6TH AVE S** **Federal Way, WA**		**WAI201600352901** **WA HPI**
	Historic ID:	312862	
	Tax Parcel ID:	5152000150	
	Year Built:	1966	
	Registry Status:	Not Determined	
EB1135 **ESE** **1/2-1 mi** **3448**	**Not Reported** **30212 25TH PL S** **Federal Way, WA**		**WAI201600497761** **WA HPI**
	Historic ID:	318489	
	Tax Parcel ID:	3655000250	
	Year Built:	1968	
	Registry Status:	Not Determined	
EH1136 **SSE** **1/2-1 mi** **3448**	**Not Reported** **2034 S 308TH ST** **Federal Way, WA**		**WAI201600353034** **WA HPI**
	Historic ID:	316206	
	Tax Parcel ID:	0537000295	
	Year Built:	1935	
	Registry Status:	Not Determined	
EU1137 **WNW** **1/2-1 mi** **3448**	**Not Reported** **29417 7TH PL S** **Federal Way, WA**		**WAI201600212676** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	320111	
	Tax Parcel ID:	5152500020	
	Year Built:	1963	
	Registry Status:	Not Determined	
EN1138 **NNE** **1/2-1 mi** **3448**	**Not Reported** **2206 S 288TH PL** **Federal Way, WA**		**WAI201600418529** **WA HPI**
	Historic ID:	396844	
	Tax Parcel ID:	4222700120	
	Year Built:	1964	
	Registry Status:	Not Determined	
EK1139 **NNE** **1/2-1 mi** **3449**	**Not Reported** **28561 20TH AVE S** **Federal Way, WA**		**WAI201600213534** **WA HPI**
	Historic ID:	321818	
	Tax Parcel ID:	4222000380	
	Year Built:	1966	
	Registry Status:	Not Determined	
EN1140 **NNE** **1/2-1 mi** **3449**	**Not Reported** **2017 S 287TH PL** **Federal Way, WA**		**WAI201600212570** **WA HPI**
	Historic ID:	319912	
	Tax Parcel ID:	4222000030	
	Year Built:	1966	
	Registry Status:	Not Determined	
EF1141 **WSW** **1/2-1 mi** **3451**	**Not Reported** **29849 6TH AVE S** **Federal Way, WA**		**WAI201600352276** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 311660
Tax Parcel ID: 5152000170
Year Built: 1962
Registry Status: Not Determined

DY1142
ESE
1/2-1 mi
3450

Not Reported
30005 26TH PL S
Federal Way, WA

WAI201600212947
WA HPI

Historic ID: 320663
Tax Parcel ID: 7985000120
Year Built: 1967
Registry Status: Not Determined

ES1143
South
1/2-1 mi
3454

Lake Village Apartments
1453 S 308th St
Federal Way, WA 98003

WAI201600028635
WA HPI

Historic ID: 673600
Tax Parcel ID: 2503000040
Year Built: 1957
Registry Status: Determined Not Eligible

EQ1144
ESE
1/2-1 mi
3455

Not Reported
30241 25TH PL S
Federal Way, WA

WAI201600417020
WA HPI

Historic ID: 393814
Tax Parcel ID: 3655000220
Year Built: 1968
Registry Status: Not Determined

EV1145
North
1/2-1 mi
3455

Not Reported
28620 PACIFIC HWY S
Federal Way, WA

WAI201600384424
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	333903	
	Tax Parcel ID:	3322049042	
	Year Built:	1946	
	Registry Status:	Not Determined	
ES1146 **South** **1/2-1 mi** **3458**	**Lake Village Apartments** **1453 S 308th St** **Federal Way, WA 98003**		**WAI201600187692** **WA HPI**
	Historic ID:	85096	
	Tax Parcel ID:	2503000040	
	Year Built:	1957	
	Registry Status:	Determined Not Eligible, Not Determined	
EP1147 **SW** **1/2-1 mi** **3459**	**Not Reported** **30410 8TH AVE S** **Federal Way, WA**		**WAI201600208290** **WA HPI**
	Historic ID:	306870	
	Tax Parcel ID:	0918000010	
	Year Built:	1962	
	Registry Status:	Not Determined	
EJ1148 **WNW** **1/2-1 mi** **3464**	**Not Reported** **29314 7TH PL S** **Federal Way, WA**		**WAI201600062528** **WA HPI**
	Historic ID:	307252	
	Tax Parcel ID:	5152700130	
	Year Built:	1967	
	Registry Status:	Not Determined	
DW1149 **NE** **1/2-1 mi** **3465**	**Not Reported** **28837 23RD PL S** **Federal Way, WA**		**WAI201600352509** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 312087 Tax Parcel ID: 4222500250 Year Built: 1963 Registry Status: Not Determined	
EL1150 **ESE** **1/2-1 mi** **3463**	**Not Reported** **2620 S 302ND ST** **Federal Way, WA**	**WAI201600496469** **WA HPI**
	Historic ID: 314341 Tax Parcel ID: 7985000200 Year Built: 1967 Registry Status: Not Determined	
EW1151 **East** **1/2-1 mi** **3466**	**Not Reported** **2628 S 298TH ST** **Federal Way, WA**	**WAI201600026037** **WA HPI**
	Historic ID: 391728 Tax Parcel ID: 7683800022 Year Built: 1950 Registry Status: Not Determined	
ES1152 **South** **1/2-1 mi** **3466**	**Not Reported** **1443 S 308TH ST** **Federal Way, WA**	**WAI201600105233** **WA HPI**
	Historic ID: 341796 Tax Parcel ID: 2503000035 Year Built: 1954 Registry Status: Not Determined	
EA1153 **WSW** **1/2-1 mi** **3472**	**Not Reported** **30240 7TH AVE S** **Federal Way, WA**	**WAI201600213803** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 323885 Tax Parcel ID: 0643000160 Year Built: 1960 Registry Status: Not Determined	
EA1154 **WSW** **1/2-1 mi** **3474**	**Not Reported** **30246 7TH AVE S** **Federal Way, WA**	**WAI201600212324** **WA HPI**
	Historic ID: 319479 Tax Parcel ID: 0643000170 Year Built: 1962 Registry Status: Not Determined	
DY1155 **East** **1/2-1 mi** **3471**	**Not Reported** **2650 S 300TH ST** **Federal Way, WA**	**WAI201600500821** **WA HPI**
	Historic ID: 326233 Tax Parcel ID: 7985000060 Year Built: 1967 Registry Status: Not Determined	
EI1156 **SW** **1/2-1 mi** **3475**	**Not Reported** **30444 8TH PL S** **Federal Way, WA**	**WAI201600416875** **WA HPI**
	Historic ID: 393574 Tax Parcel ID: 1745100030 Year Built: 1968 Registry Status: Not Determined	
EI1157 **SW** **1/2-1 mi** **3477**	**Not Reported** **30600 9TH AVE S** **Federal Way, WA**	**WAI201600207430** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	305164	
	Tax Parcel ID:	1745000080	
	Year Built:	1967	
	Registry Status:	Not Determined	
ES1158 **South** **1/2-1 mi** **3477**	**Not Reported** **1437 S 308TH ST** **Federal Way, WA**		**WAI201600106075** **WA HPI**
	Historic ID:	344982	
	Tax Parcel ID:	2503000030	
	Year Built:	1958	
	Registry Status:	Not Determined	
EX1159 **WSW** **1/2-1 mi** **3477**	**Not Reported** **30232 7TH AVE S** **Federal Way, WA**		**WAI201600496614** **WA HPI**
	Historic ID:	314679	
	Tax Parcel ID:	0643000150	
	Year Built:	1962	
	Registry Status:	Not Determined	
EE1160 **SE** **1/2-1 mi** **3479**	**Not Reported** **2329 S 304TH ST** **Federal Way, WA**		**WAI201600351186** **WA HPI**
	Historic ID:	303558	
	Tax Parcel ID:	0537000170	
	Year Built:	1947	
	Registry Status:	Not Determined	
EY1161 **SE** **1/2-1 mi** **3480**	**Not Reported** **2423 S 304TH ST** **Federal Way, WA**		**WAI201600065067** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 322911 Tax Parcel ID: 0921049066 Year Built: 1939 Registry Status: Not Determined	
EL1162 **ESE** **1/2-1 mi** **3481**	**Not Reported** **2615 S 302ND ST** **Federal Way, WA**	**WAI201600418316** **WA HPI**
	Historic ID: 396441 Tax Parcel ID: 7985000220 Year Built: 1967 Registry Status: Not Determined	
EB1163 **ESE** **1/2-1 mi** **3479**	**Not Reported** **30222 25TH PL S** **Federal Way, WA**	**WAI201600214387** **WA HPI**
	Historic ID: 325034 Tax Parcel ID: 3655000240 Year Built: 1968 Registry Status: Not Determined	
EL1164 **ESE** **1/2-1 mi** **3481**	**Not Reported** **30011 26TH PL S** **Federal Way, WA**	**WAI201600417779** **WA HPI**
	Historic ID: 395333 Tax Parcel ID: 7985000130 Year Built: 1968 Registry Status: Not Determined	
EN1165 **NNE** **1/2-1 mi** **3483**	**Not Reported** **2023 S 287TH PL** **Federal Way, WA**	**WAI201600500400** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	325330	
	Tax Parcel ID:	4222000040	
	Year Built:	1967	
	Registry Status:	Not Determined	
EO1166 **NW** **1/2-1 mi** **3483**	**Not Reported** **28817 11TH AVE S** **Federal Way, WA**		**WAI201600025905** **WA HPI**
	Historic ID:	391410	
	Tax Parcel ID:	7205800020	
	Year Built:	1968	
	Registry Status:	Not Determined	
EN1167 **NE** **1/2-1 mi** **3486**	**Not Reported** **2212 S 288TH PL** **Federal Way, WA**		**WAI201600065428** **WA HPI**
	Historic ID:	326679	
	Tax Parcel ID:	4222700130	
	Year Built:	1964	
	Registry Status:	Not Determined	
EC1168 **WSW** **1/2-1 mi** **3486**	**Not Reported** **30218 7TH AVE S** **Federal Way, WA**		**WAI201600352324** **WA HPI**
	Historic ID:	311708	
	Tax Parcel ID:	0643000130	
	Year Built:	1961	
	Registry Status:	Not Determined	
EX1169 **WSW** **1/2-1 mi** **3488**	**Not Reported** **30226 7TH AVE S** **Federal Way, WA**		**WAI201600065344** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	323470	
	Tax Parcel ID:	0643000140	
	Year Built:	1962	
	Registry Status:	Not Determined	
EH1170 **SSE** **1/2-1 mi** **3486**	**Not Reported** **2042 S 308TH ST** **Federal Way, WA**		**WAI201600354393** **WA HPI**
	Historic ID:	323444	
	Tax Parcel ID:	0537000285	
	Year Built:	1932	
	Registry Status:	Not Determined	
EU1171 **WNW** **1/2-1 mi** **3488**	**Not Reported** **29407 7TH PL S** **Federal Way, WA**		**WAI201600419368** **WA HPI**
	Historic ID:	398538	
	Tax Parcel ID:	5152500030	
	Year Built:	1962	
	Registry Status:	Not Determined	
EZ1172 **SSW** **1/2-1 mi** **3494**	**Not Reported** **30640 11TH AVE S** **Federal Way, WA**		**WAI201600418493** **WA HPI**
	Historic ID:	396808	
	Tax Parcel ID:	0919000170	
	Year Built:	1966	
	Registry Status:	Not Determined	
DW1173 **NE** **1/2-1 mi** **3495**	**Not Reported** **28820 23RD AVE S** **Federal Way, WA**		**WAI201600062134** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 303648 Tax Parcel ID: 4222500220 Year Built: 1963 Registry Status: Not Determined	
EQ1174 **SE** **1/2-1 mi** **3494**	**Not Reported** **30249 25TH PL S** **Federal Way, WA**	**WAI201600213201** **WA HPI**
	Historic ID: 321202 Tax Parcel ID: 3655000230 Year Built: 1968 Registry Status: Not Determined	
ET1175 **NE** **1/2-1 mi** **3497**	**Not Reported** **28844 23RD PL S** **Federal Way, WA**	**WAI201600211910** **WA HPI**
	Historic ID: 318598 Tax Parcel ID: 4222500370 Year Built: 1963 Registry Status: Not Determined	
EG1176 **South** **1/2-1 mi** **3500**	**Not Reported** **30802 18TH AVE S** **Federal Way, WA**	**WAI201600351557** **WA HPI**
	Historic ID: 307147 Tax Parcel ID: 7853600122 Year Built: 1943 Registry Status: Not Determined	
EI1177 **SW** **1/2-1 mi** **3501**	**Not Reported** **866 S 306TH ST** **Federal Way, WA**	**WAI201600352728** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	312593	
	Tax Parcel ID:	1745000140	
	Year Built:	1967	
	Registry Status:	Not Determined	
FA1178 **SSE** **1/2-1 mi** **3504**	**Not Reported** **2046 S 308TH ST** **Federal Way, WA**		**WAI201600498891** **WA HPI**
	Historic ID:	320768	
	Tax Parcel ID:	0537000280	
	Year Built:	1936	
	Registry Status:	Not Determined	
DX1179 **SW** **1/2-1 mi** **3509**	**Not Reported** **30611 10TH AVE S** **Federal Way, WA**		**WAI201600208774** **WA HPI**
	Historic ID:	309334	
	Tax Parcel ID:	0919000035	
	Year Built:	1963	
	Registry Status:	Not Determined	
ED1180 **West** **1/2-1 mi** **3510**	**Not Reported** **602 S 298TH ST** **Federal Way, WA**		**WAI201600417456** **WA HPI**
	Historic ID:	394725	
	Tax Parcel ID:	5151900170	
	Year Built:	1961	
	Registry Status:	Not Determined	
EP1181 **SW** **1/2-1 mi** **3510**	**Not Reported** **30418 8TH AVE S** **Federal Way, WA**		**WAI201600498446** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 319843
Tax Parcel ID: 0918000012
Year Built: 1962
Registry Status: Not Determined

FB1182
SSW
1/2-1 mi
3509

Not Reported
30620 10TH AVE S
Federal Way, WA

WAI201600063220
WA HPI

Historic ID: 311629
Tax Parcel ID: 0919000110
Year Built: 1963
Registry Status: Not Determined

DV1183
SSW
1/2-1 mi
3512

Not Reported
30633 11TH AVE S
Federal Way, WA

WAI201600208062
WA HPI

Historic ID: 306453
Tax Parcel ID: 0919000140
Year Built: 1965
Registry Status: Not Determined

EP1184
SW
1/2-1 mi
3512

Not Reported
30431 8TH PL S
Federal Way, WA

WAI201600208461
WA HPI

Historic ID: 308741
Tax Parcel ID: 1745100070
Year Built: 1968
Registry Status: Not Determined

EA1185
SW
1/2-1 mi
3513

Not Reported
712 S 304TH ST
Federal Way, WA

WAI201600499062
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 321129 Tax Parcel ID: 0643000190 Year Built: 1960 Registry Status: Not Determined	
EK1186 **NNE** **1/2-1 mi** **3516**	**Not Reported** **28553 20TH AVE S** **Federal Way, WA**	**WAI201600129160** **WA HPI**
	Historic ID: 393487 Tax Parcel ID: 4222000370 Year Built: 1966 Registry Status: Not Determined	
ET1187 **NE** **1/2-1 mi** **3517**	**Not Reported** **28831 23RD PL S** **Federal Way, WA**	**WAI201600209727** **WA HPI**
	Historic ID: 311233 Tax Parcel ID: 4222500240 Year Built: 1963 Registry Status: Not Determined	
EC1188 **WSW** **1/2-1 mi** **3520**	**Not Reported** **30212 7TH AVE S** **Federal Way, WA**	**WAI201600354451** **WA HPI**
	Historic ID: 326629 Tax Parcel ID: 0643000120 Year Built: 1962 Registry Status: Not Determined	
EY1189 **SE** **1/2-1 mi** **3519**	**Not Reported** **2427 S 304TH ST** **Federal Way, WA**	**WAI201600361088** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 327986 Tax Parcel ID: 0921049069 Year Built: 1950 Registry Status: Not Determined	
EL1190 **ESE** **1/2-1 mi** **3519**	**Not Reported** **2625 S 301ST ST** **Federal Way, WA**	**WAI201600415636** **WA HPI**
	Historic ID: 389501 Tax Parcel ID: 7985000180 Year Built: 1967 Registry Status: Not Determined	
1191 **ENE** **1/2-1 mi** **3520**	**Not Reported** **FEDERAL WAY** **Federal Way, WA**	**WAI201600392640** **WA HPI**
	Historic ID: 340184 Tax Parcel ID: 0421049082 Year Built: 1947 Registry Status: Not Determined	
FC1192 **North** **1/2-1 mi** **3521**	**Not Reported** **28626 15TH AVE S** **Federal Way, WA**	**WAI201600212049** **WA HPI**
	Historic ID: 318924 Tax Parcel ID: 7203000155 Year Built: 1967 Registry Status: Not Determined	
EB1193 **ESE** **1/2-1 mi** **3520**	**Not Reported** **2525 S 302ND PL** **Federal Way, WA**	**WAI201600492953** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	304155	
	Tax Parcel ID:	3655000280	
	Year Built:	1968	
	Registry Status:	Not Determined	
FD1194 **SSE** **1/2-1 mi** **3523**	**Not Reported** **1819 S 308TH ST** **Federal Way, WA**		**WAI201600394286** **WA HPI**
	Historic ID:	345049	
	Tax Parcel ID:	7853600121	
	Year Built:	1942	
	Registry Status:	Not Determined	
FA1195 **SSE** **1/2-1 mi** **3523**	**Not Reported** **2050 S 308TH ST** **Federal Way, WA**		**WAI201600351178** **WA HPI**
	Historic ID:	303550	
	Tax Parcel ID:	0537000275	
	Year Built:	1936	
	Registry Status:	Not Determined	
EN1196 **NE** **1/2-1 mi** **3523**	**Not Reported** **2218 S 288TH PL** **Federal Way, WA**		**WAI201600137883** **WA HPI**
	Historic ID:	398735	
	Tax Parcel ID:	4222700140	
	Year Built:	1964	
	Registry Status:	Not Determined	
EI1197 **SW** **1/2-1 mi** **3525**	**Not Reported** **30452 8TH PL S** **Federal Way, WA**		**WAI201600211380** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 317597 Tax Parcel ID: 1745100020 Year Built: 1968 Registry Status: Not Determined	
FC1198 **NNW** **1/2-1 mi** **3527**	**Not Reported** **28632 14TH AVE S** **Federal Way, WA**	**WAI201600209924** **WA HPI**
	Historic ID: 313128 Tax Parcel ID: 7203000400 Year Built: 1968 Registry Status: Not Determined	
FE1199 **ENE** **1/2-1 mi** **3526**	**Not Reported** **29260 MILITARY RD S** **Federal Way, WA**	**WAI201600493123** **WA HPI**
	Historic ID: 304516 Tax Parcel ID: 0421049183 Year Built: 1928 Registry Status: Not Determined	
EJ1200 **WNW** **1/2-1 mi** **3534**	**Not Reported** **764 S 293RD ST** **Federal Way, WA**	**WAI201600352277** **WA HPI**
	Historic ID: 311661 Tax Parcel ID: 5152800160 Year Built: 1966 Registry Status: Not Determined	
EN1201 **NNE** **1/2-1 mi** **3539**	**Not Reported** **2029 S 287TH PL** **Federal Way, WA**	**WAI201600500891** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 326401 Tax Parcel ID: 4222000050 Year Built: 1967 Registry Status: Not Determined	
EU1202 **WNW** **1/2-1 mi** **3541**	**Not Reported** **29393 7TH PL S** **Federal Way, WA**	**WAI201600494980** **WA HPI**
	Historic ID: 309803 Tax Parcel ID: 5152700010 Year Built: 1965 Registry Status: Not Determined	
FF1203 **NNE** **1/2-1 mi** **3541**	**Not Reported** **2004 S 287TH PL** **Federal Way, WA**	**WAI201600426336** **WA HPI**
	Historic ID: 400600 Tax Parcel ID: 4222000190 Year Built: 1966 Registry Status: Not Determined	
EI1204 **SW** **1/2-1 mi** **3541**	**Not Reported** **30608 9TH AVE S** **Federal Way, WA**	**WAI201600212136** **WA HPI**
	Historic ID: 319104 Tax Parcel ID: 1745000070 Year Built: 1967 Registry Status: Not Determined	
ET1205 **NE** **1/2-1 mi** **3543**	**Not Reported** **28838 23RD PL S** **Federal Way, WA**	**WAI201600210829** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 314970 Tax Parcel ID: 4222500380 Year Built: 1963 Registry Status: Not Determined	
EV1206 **North** **1/2-1 mi** **3543**	**La Madera Apartments** **28620 Pacific Hwy S** **Federal Way, WA 98003**	**WAI201600324774** **WA HPI**
	Historic ID: 673324 Tax Parcel ID: 3322049042 Year Built: 1946 Registry Status: Determined Not Eligible	
FA1207 **SSE** **1/2-1 mi** **3544**	**Not Reported** **2054 S 308TH ST** **Federal Way, WA**	**WAI201600493240** **WA HPI**
	Historic ID: 304728 Tax Parcel ID: 0537000270 Year Built: 1930 Registry Status: Not Determined	
FC1208 **North** **1/2-1 mi** **3545**	**Not Reported** **28621 15TH AVE S** **Federal Way, WA**	**WAI201600130473** **WA HPI**
	Historic ID: 396103 Tax Parcel ID: 7203000390 Year Built: 1966 Registry Status: Not Determined	
EC1209 **WSW** **1/2-1 mi** **3555**	**Not Reported** **30204 7TH AVE S** **Federal Way, WA**	**WAI201600131203** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 397484
Tax Parcel ID: 0643000110
Year Built: 1962
Registry Status: Not Determined

EF1210
WSW
1/2-1 mi
3557

Not Reported
29823 6TH AVE S
Federal Way, WA

WAI201600065636
WA HPI

Historic ID: 327074
Tax Parcel ID: 5152000140
Year Built: 1962
Registry Status: Not Determined

EW1211
East
1/2-1 mi
3558

Not Reported
29605 MILITARY RD S
Federal Way, WA

WAI201600131123
WA HPI

Historic ID: 397311
Tax Parcel ID: 0421049179
Year Built: 1940
Registry Status: Not Determined

EP1212
SW
1/2-1 mi
3559

Not Reported
30426 8TH AVE S
Federal Way, WA

WAI201600351960
WA HPI

Historic ID: 307933
Tax Parcel ID: 0918000016
Year Built: 1964
Registry Status: Not Determined

EY1213
SE
1/2-1 mi
3561

Not Reported
2433 S 304TH ST
Federal Way, WA

WAI201600130761
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 396670 Tax Parcel ID: 0921049108 Year Built: 1939 Registry Status: Not Determined	
EZ1214 SSW 1/2-1 mi 3561	**Not Reported 30648 11TH AVE S Federal Way, WA**	**WAI201600426256 WA HPI**
	Historic ID: 400520 Tax Parcel ID: 0919000165 Year Built: 1966 Registry Status: Not Determined	
EW1215 East 1/2-1 mi 3562	**Not Reported 2636 S 298TH ST Federal Way, WA**	**WAI201600207126 WA HPI**
	Historic ID: 304578 Tax Parcel ID: 7683800013 Year Built: 1957 Registry Status: Not Determined	
EQ1216 ESE 1/2-1 mi 3562	**Not Reported 30234 25TH PL S Federal Way, WA**	**WAI201600208543 WA HPI**
	Historic ID: 308916 Tax Parcel ID: 0421049122 Year Built: 1912 Registry Status: Not Determined	
EN1217 NE 1/2-1 mi 3563	**Not Reported 2300 S 288TH PL Federal Way, WA**	**WAI201600213707 WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	323696	
	Tax Parcel ID:	4222500040	
	Year Built:	1963	
	Registry Status:	Not Determined	
EP1218 **SW** **1/2-1 mi** **3563**	**Not Reported** **721 S 304TH ST** **Federal Way, WA**		**WAI201600210168** **WA HPI**
	Historic ID:	313654	
	Tax Parcel ID:	2329500170	
	Year Built:	1961	
	Registry Status:	Not Determined	
FF1219 **NNE** **1/2-1 mi** **3570**	**Not Reported** **2010 S 287TH PL** **Federal Way, WA**		**WAI201600497637** **WA HPI**
	Historic ID:	318270	
	Tax Parcel ID:	4222000180	
	Year Built:	1967	
	Registry Status:	Not Determined	
ED1220 **West** **1/2-1 mi** **3568**	**Not Reported** **600 S 298TH ST** **Federal Way, WA**		**WAI201600209818** **WA HPI**
	Historic ID:	311418	
	Tax Parcel ID:	5151900180	
	Year Built:	1965	
	Registry Status:	Not Determined	
FB1221 **SW** **1/2-1 mi** **3574**	**Not Reported** **30617 10TH AVE S** **Federal Way, WA**		**WAI201600214313** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	324960	
	Tax Parcel ID:	0919000030	
	Year Built:	1963	
	Registry Status:	Not Determined	
FA1222 **SSE** **1/2-1 mi** **3573**	**Not Reported** **2058 S 308TH ST** **Federal Way, WA**		**WAI201600130462** **WA HPI**
	Historic ID:	395999	
	Tax Parcel ID:	0537000260	
	Year Built:	1940	
	Registry Status:	Not Determined	
EO1223 **NW** **1/2-1 mi** **3574**	**Not Reported** **28805 11TH AVE S** **Federal Way, WA**		**WAI201600352761** **WA HPI**
	Historic ID:	312626	
	Tax Parcel ID:	7205800010	
	Year Built:	1967	
	Registry Status:	Not Determined	
EI1224 **SW** **1/2-1 mi** **3576**	**Not Reported** **852 S 306TH ST** **Federal Way, WA**		**WAI201600418122** **WA HPI**
	Historic ID:	396057	
	Tax Parcel ID:	1745100010	
	Year Built:	1967	
	Registry Status:	Not Determined	
EZ1225 **SSW** **1/2-1 mi** **3576**	**Not Reported** **30641 11TH AVE S** **Federal Way, WA**		**WAI201600353676** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	317521	
	Tax Parcel ID:	0919000145	
	Year Built:	1966	
	Registry Status:	Not Determined	
FB1226 **SSW** **1/2-1 mi** **3580**	**Not Reported** **30628 10TH AVE S** **Federal Way, WA**		**WAI201600129157** **WA HPI**
	Historic ID:	393484	
	Tax Parcel ID:	0919000105	
	Year Built:	1963	
	Registry Status:	Not Determined	
EX1227 **WSW** **1/2-1 mi** **3584**	**Not Reported** **704 S 304TH ST** **Federal Way, WA**		**WAI201600071810** **WA HPI**
	Historic ID:	327272	
	Tax Parcel ID:	0643000180	
	Year Built:	1960	
	Registry Status:	Not Determined	
FG1228 **SW** **1/2-1 mi** **3582**	**Not Reported** **30435 8TH PL S** **Federal Way, WA**		**WAI201600072118** **WA HPI**
	Historic ID:	327862	
	Tax Parcel ID:	1745100080	
	Year Built:	1968	
	Registry Status:	Not Determined	
FH1229 **ESE** **1/2-1 mi** **3582**	**Not Reported** **2655 S 300TH ST** **Federal Way, WA**		**WAI201600130397** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	395934	
	Tax Parcel ID:	7985000320	
	Year Built:	1967	
	Registry Status:	Not Determined	
EK1230 **NNE** **1/2-1 mi** **3584**	**Not Reported** **28545 20TH AVE S** **Federal Way, WA**		**WAI201600416936** **WA HPI**
	Historic ID:	393635	
	Tax Parcel ID:	4222000360	
	Year Built:	1966	
	Registry Status:	Not Determined	
FI1231 **ESE** **1/2-1 mi** **3584**	**Not Reported** **2529 S 302ND PL** **Federal Way, WA**		**WAI201600417050** **WA HPI**
	Historic ID:	393939	
	Tax Parcel ID:	3655000290	
	Year Built:	1968	
	Registry Status:	Not Determined	
EW1232 **East** **1/2-1 mi** **3584**	**Not Reported** **2645 S 298TH ST** **Federal Way, WA**		**WAI201600131007** **WA HPI**
	Historic ID:	397102	
	Tax Parcel ID:	7683800291	
	Year Built:	1947	
	Registry Status:	Not Determined	
FD1233 **SSE** **1/2-1 mi** **3587**	**Not Reported** **1836 S 308TH ST** **Federal Way, WA**		**WAI201600351219** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	303591	
	Tax Parcel ID:	7853600008	
	Year Built:	1943	
	Registry Status:	Not Determined	
FJ1234 **East** **1/2-1 mi** **3589**	**Not Reported** **2641 S 298TH ST** **Federal Way, WA**		**WAI201600071777** **WA HPI**
	Historic ID:	327239	
	Tax Parcel ID:	7683800290	
	Year Built:	1953	
	Registry Status:	Not Determined	
FK1235 **West** **1/2-1 mi** **3591**	**Not Reported** **29801 6TH AVE S** **Federal Way, WA**		**WAI201600494803** **WA HPI**
	Historic ID:	309433	
	Tax Parcel ID:	5151900190	
	Year Built:	1960	
	Registry Status:	Not Determined	
FK1236 **West** **1/2-1 mi** **3597**	**Not Reported** **29805 6TH AVE S** **Federal Way, WA**		**WAI201600500254** **WA HPI**
	Historic ID:	325089	
	Tax Parcel ID:	5151900200	
	Year Built:	1960	
	Registry Status:	Not Determined	
FL1237 **WNW** **1/2-1 mi** **3597**	**Not Reported** **29323 7TH PL S** **Federal Way, WA**		**WAI201600137907** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	398759	
	Tax Parcel ID:	5152700020	
	Year Built:	1967	
	Registry Status:	Not Determined	
ET1238 **NE** **1/2-1 mi** **3598**	**Not Reported** **28832 23RD PL S** **Federal Way, WA**		**WAI201600501064** **WA HPI**
	Historic ID:	328275	
	Tax Parcel ID:	4222500390	
	Year Built:	1963	
	Registry Status:	Not Determined	
FG1239 **SW** **1/2-1 mi** **3597**	**Not Reported** **30447 8TH PL S** **Federal Way, WA**		**WAI201600416260** **WA HPI**
	Historic ID:	392294	
	Tax Parcel ID:	1745100090	
	Year Built:	1967	
	Registry Status:	Not Determined	
FF1240 **NNE** **1/2-1 mi** **3598**	**Not Reported** **2016 S 287TH PL** **Federal Way, WA**		**WAI201600209389** **WA HPI**
	Historic ID:	310611	
	Tax Parcel ID:	4222000170	
	Year Built:	1967	
	Registry Status:	Not Determined	
FD1241 **SSE** **1/2-1 mi** **3598**	**Not Reported** **1916 S 308TH ST** **Federal Way, WA**		**WAI201600384054** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 318589 Tax Parcel ID: 0921049242 Year Built: 1943 Registry Status: Not Determined	
EN1242 **NNE** **1/2-1 mi** **3599**	**Not Reported** **28638 21ST AVE S** **Federal Way, WA**	**WAI201600495807** **WA HPI**
	Historic ID: 311499 Tax Parcel ID: 4222000060 Year Built: 1967 Registry Status: Not Determined	
FK1243 **West** **1/2-1 mi** **3602**	**Not Reported** **29811 6TH AVE S** **Federal Way, WA**	**WAI201600416444** **WA HPI**
	Historic ID: 392668 Tax Parcel ID: 5151900210 Year Built: 1965 Registry Status: Not Determined	
EF1244 **West** **1/2-1 mi** **3604**	**Not Reported** **29819 6TH AVE S** **Federal Way, WA**	**WAI201600500617** **WA HPI**
	Historic ID: 325838 Tax Parcel ID: 5152000130 Year Built: 1963 Registry Status: Not Determined	
EI1245 **SW** **1/2-1 mi** **3606**	**Not Reported** **30605 9TH AVE S** **Federal Way, WA**	**WAI201600129238** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	393658	
	Tax Parcel ID:	1745000150	
	Year Built:	1967	
	Registry Status:	Not Determined	
EI1246 **SW** **1/2-1 mi** **3605**	**Not Reported** **30616 9TH AVE S** **Federal Way, WA**		**WAI201600138006** **WA HPI**
	Historic ID:	398951	
	Tax Parcel ID:	1745000060	
	Year Built:	1967	
	Registry Status:	Not Determined	
FA1247 **SSE** **1/2-1 mi** **3606**	**Not Reported** **2200 S 308TH ST** **Federal Way, WA**		**WAI201600127876** **WA HPI**
	Historic ID:	389397	
	Tax Parcel ID:	0537000255	
	Year Built:	1937	
	Registry Status:	Not Determined	
FM1248 **NE** **1/2-1 mi** **3607**	**Not Reported** **2308 S 288TH PL** **Federal Way, WA**		**WAI201600207379** **WA HPI**
	Historic ID:	305113	
	Tax Parcel ID:	4222500030	
	Year Built:	1963	
	Registry Status:	Not Determined	
EP1249 **SW** **1/2-1 mi** **3607**	**Not Reported** **30434 8TH AVE S** **Federal Way, WA**		**WAI201600497998** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	319013	
	Tax Parcel ID:	0918000025	
	Year Built:	1961	
	Registry Status:	Not Determined	
FN1250 **WSW** **1/2-1 mi** **3609**	**Not Reported** **540 S 302ND ST** **Federal Way, WA**		**WAI201600353322** **WA HPI**
	Historic ID:	316779	
	Tax Parcel ID:	0643000100	
	Year Built:	1962	
	Registry Status:	Not Determined	
1251 **NW** **1/2-1 mi** **3609**	**Not Reported** **1000 S 289TH ST** **Federal Way, WA**		**WAI201600015961** **WA HPI**
	Historic ID:	336951	
	Tax Parcel ID:	0521049005	
	Year Built:	1969	
	Registry Status:	Not Determined	
FC1252 **North** **1/2-1 mi** **3611**	**Not Reported** **28620 14TH AVE S** **Federal Way, WA**		**WAI201600210931** **WA HPI**
	Historic ID:	315166	
	Tax Parcel ID:	7203000410	
	Year Built:	1967	
	Registry Status:	Not Determined	
FH1253 **East** **1/2-1 mi** **3612**	**Not Reported** **2662 S 300TH ST** **Federal Way, WA**		**WAI201600499555** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 323623 Tax Parcel ID: 7985000040 Year Built: 1966 Registry Status: Not Determined	
FO1254 **NNW** **1/2-1 mi** **3614**	**Not Reported** **28640 13TH AVE S** **Federal Way, WA**	**WAI201600418772** **WA HPI**
	Historic ID: 397372 Tax Parcel ID: 7203000580 Year Built: 1949 Registry Status: Not Determined	
EJ1255 **WNW** **1/2-1 mi** **3614**	**Not Reported** **710 S 293RD ST** **Federal Way, WA**	**WAI201600208205** **WA HPI**
	Historic ID: 306691 Tax Parcel ID: 5152800170 Year Built: 1965 Registry Status: Not Determined	
FO1256 **NNW** **1/2-1 mi** **3622**	**Not Reported** **28621 14TH AVE S** **Federal Way, WA**	**WAI201600495165** **WA HPI**
	Historic ID: 310182 Tax Parcel ID: 7203000565 Year Built: 1964 Registry Status: Not Determined	
FF1257 **NNE** **1/2-1 mi** **3628**	**Not Reported** **28546 20TH AVE S** **Federal Way, WA**	**WAI201600354287** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	323243	
	Tax Parcel ID:	4222000200	
	Year Built:	1967	
	Registry Status:	Not Determined	
EY1258 **SE** **1/2-1 mi** **3628**	**Not Reported** **2435 S 304TH ST** **Federal Way, WA**		**WAI201600497818** **WA HPI**
	Historic ID:	318642	
	Tax Parcel ID:	0921049059	
	Year Built:	1957	
	Registry Status:	Not Determined	
FI1259 **ESE** **1/2-1 mi** **3629**	**Not Reported** **2538 S 302ND PL** **Federal Way, WA**		**WAI201600499147** **WA HPI**
	Historic ID:	321313	
	Tax Parcel ID:	3655000100	
	Year Built:	1968	
	Registry Status:	Not Determined	
EZ1260 **SSW** **1/2-1 mi** **3632**	**Not Reported** **30654 11TH AVE S** **Federal Way, WA**		**WAI201600497238** **WA HPI**
	Historic ID:	315877	
	Tax Parcel ID:	0919000160	
	Year Built:	1966	
	Registry Status:	Not Determined	
FA1261 **SSE** **1/2-1 mi** **3633**	**Not Reported** **2204 S 308TH ST** **Federal Way, WA**		**WAI201600496854** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	315110	
	Tax Parcel ID:	0537000250	
	Year Built:	1931	
	Registry Status:	Not Determined	
FB1262 **SW** **1/2-1 mi** **3635**	**Not Reported** **30625 10TH AVE S** **Federal Way, WA**		**WAI201600065423** **WA HPI**
	Historic ID:	326674	
	Tax Parcel ID:	0919000025	
	Year Built:	1963	
	Registry Status:	Not Determined	
ER1263 **WSW** **1/2-1 mi** **3637**	**Not Reported** **600 S 302ND ST** **Federal Way, WA**		**WAI201600307070** **WA HPI**
	Historic ID:	343622	
	Tax Parcel ID:	5152000321	
	Year Built:	1963	
	Registry Status:	Not Determined	
EN1264 **NNE** **1/2-1 mi** **3640**	**Not Reported** **2210 S 288TH ST** **Federal Way, WA**		**WAI201600417622** **WA HPI**
	Historic ID:	395081	
	Tax Parcel ID:	3322049022	
	Year Built:	1967	
	Registry Status:	Not Determined	
EQ1265 **ESE** **1/2-1 mi** **3639**	**Not Reported** **2530 S 304TH ST** **Federal Way, WA**		**WAI201600417463** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	394732	
	Tax Parcel ID:	0421049129	
	Year Built:	1958	
	Registry Status:	Not Determined	
EZ1266 **SSW** **1/2-1 mi** **3643**	**Not Reported** **30649 11TH AVE S** **Federal Way, WA**		**WAI201600062522** **WA HPI**
	Historic ID:	307246	
	Tax Parcel ID:	0919000150	
	Year Built:	1965	
	Registry Status:	Not Determined	
EZ1267 **SSW** **1/2-1 mi** **3646**	**Not Reported** **30636 10TH AVE S** **Federal Way, WA**		**WAI201600315388** **WA HPI**
	Historic ID:	390699	
	Tax Parcel ID:	0919000100	
	Year Built:	1963	
	Registry Status:	Not Determined	
FM1268 **NE** **1/2-1 mi** **3646**	**Not Reported** **2314 S 288TH PL** **Federal Way, WA**		**WAI201600129327** **WA HPI**
	Historic ID:	393747	
	Tax Parcel ID:	4222500020	
	Year Built:	1963	
	Registry Status:	Not Determined	
ET1269 **NE** **1/2-1 mi** **3646**	**Not Reported** **28822 23RD PL S** **Federal Way, WA**		**WAI201600353205** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 316567 Tax Parcel ID: 4222500400 Year Built: 1963 Registry Status: Not Determined	
EP1270 **SW** **1/2-1 mi** **3648**	**Not Reported** **660 S 305TH ST** **Federal Way, WA**	**WAI201600025662** **WA HPI**
	Historic ID: 390981 Tax Parcel ID: 2329500180 Year Built: 1962 Registry Status: Not Determined	
EL1271 **ESE** **1/2-1 mi** **3648**	**Not Reported** **30102 26TH PL S** **Federal Way, WA**	**WAI201600495724** **WA HPI**
	Historic ID: 311320 Tax Parcel ID: 7985000290 Year Built: 1968 Registry Status: Not Determined	
EK1272 **NNE** **1/2-1 mi** **3651**	**Not Reported** **28537 20TH AVE S** **Federal Way, WA**	**WAI201600209384** **WA HPI**
	Historic ID: 310606 Tax Parcel ID: 4222000350 Year Built: 1966 Registry Status: Not Determined	
EM1273 **ENE** **1/2-1 mi** **3652**	**Not Reported** **29206 MILITARY RD S** **Federal Way, WA**	**WAI201600499762** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	324117	
	Tax Parcel ID:	0421049162	
	Year Built:	1918	
	Registry Status:	Not Determined	
FI1274 **ESE** **1/2-1 mi** **3651**	**Not Reported** **2537 S 302ND PL** **Federal Way, WA**		**WAI201600418912** **WA HPI**
	Historic ID:	397702	
	Tax Parcel ID:	3655000300	
	Year Built:	1968	
	Registry Status:	Not Determined	
FL1275 **WNW** **1/2-1 mi** **3656**	**Not Reported** **29311 7TH PL S** **Federal Way, WA**		**WAI201600495841** **WA HPI**
	Historic ID:	313044	
	Tax Parcel ID:	5152700030	
	Year Built:	1968	
	Registry Status:	Not Determined	
FF1276 **NNE** **1/2-1 mi** **3655**	**Not Reported** **28632 21ST AVE S** **Federal Way, WA**		**WAI201600072005** **WA HPI**
	Historic ID:	327653	
	Tax Parcel ID:	4222000070	
	Year Built:	1966	
	Registry Status:	Not Determined	
FH1277 **ESE** **1/2-1 mi** **3657**	**Not Reported** **2663 S 300TH ST** **Federal Way, WA**		**WAI201600352823** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 312784 Tax Parcel ID: 7985000330 Year Built: 1967 Registry Status: Not Determined	
FG1278 **SW** **1/2-1 mi** **3658**	**Not Reported** **30442 8TH AVE S** **Federal Way, WA**	**WAI201600213861** **WA HPI**
	Historic ID: 324038 Tax Parcel ID: 0918000030 Year Built: 1961 Registry Status: Not Determined	
FA1279 **SSE** **1/2-1 mi** **3660**	**Not Reported** **2206 S 308TH ST** **Federal Way, WA**	**WAI201600353133** **WA HPI**
	Historic ID: 316400 Tax Parcel ID: 0537000245 Year Built: 1930 Registry Status: Not Determined	
EX1280 **WSW** **1/2-1 mi** **3661**	**Not Reported** **30233 7TH AVE S** **Federal Way, WA**	**WAI201600065448** **WA HPI**
	Historic ID: 326699 Tax Parcel ID: 0643000301 Year Built: 1962 Registry Status: Not Determined	
FC1281 **North** **1/2-1 mi** **3661**	**Not Reported** **28615 15TH AVE S** **Federal Way, WA**	**WAI201600426133** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	400207	
	Tax Parcel ID:	7203000380	
	Year Built:	1968	
	Registry Status:	Not Determined	
FP1282 **SSE** **1/2-1 mi** **3665**	**Not Reported** **2005 S 308TH ST** **Federal Way, WA**		**WAI201600071813** **WA HPI**
	Historic ID:	327275	
	Tax Parcel ID:	0537000345	
	Year Built:	1963	
	Registry Status:	Not Determined	
FE1283 **ENE** **1/2-1 mi** **3666**	**Not Reported** **29250 MILITARY RD** **Federal Way, WA**		**WAI201600352455** **WA HPI**
	Historic ID:	312033	
	Tax Parcel ID:	0421049149	
	Year Built:	1962	
	Registry Status:	Not Determined	
FB1284 **SW** **1/2-1 mi** **3666**	**Not Reported** **30624 9TH AVE S** **Federal Way, WA**		**WAI201600131335** **WA HPI**
	Historic ID:	397802	
	Tax Parcel ID:	1745000050	
	Year Built:	1967	
	Registry Status:	Not Determined	
FI1285 **ESE** **1/2-1 mi** **3667**	**Not Reported** **30213 26TH PL S** **Federal Way, WA**		**WAI201600497447** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	317885	
	Tax Parcel ID:	3655000310	
	Year Built:	1968	
	Registry Status:	Not Determined	
EI1286 **SW** **1/2-1 mi** **3669**	**Not Reported** **853 S 306TH ST** **Federal Way, WA**		**WAI201600353113** **WA HPI**
	Historic ID:	316380	
	Tax Parcel ID:	1745100180	
	Year Built:	1967	
	Registry Status:	Not Determined	
FN1287 **WSW** **1/2-1 mi** **3670**	**Not Reported** **534 S 302ND ST** **Federal Way, WA**		**WAI201600495012** **WA HPI**
	Historic ID:	309934	
	Tax Parcel ID:	0643000090	
	Year Built:	1960	
	Registry Status:	Not Determined	
EI1288 **SW** **1/2-1 mi** **3670**	**Not Reported** **30613 9TH AVE S** **Federal Way, WA**		**WAI201600210505** **WA HPI**
	Historic ID:	314270	
	Tax Parcel ID:	1745000160	
	Year Built:	1967	
	Registry Status:	Not Determined	
FF1289 **NNE** **1/2-1 mi** **3671**	**Not Reported** **28623 21ST AVE S** **Federal Way, WA**		**WAI201600208682** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	309149	
	Tax Parcel ID:	4222000160	
	Year Built:	1967	
	Registry Status:	Not Determined	
FG1290 **SW** **1/2-1 mi** **3677**	**Not Reported** **30457 8TH PL S** **Federal Way, WA**		**WAI201600353378** **WA HPI**
	Historic ID:	316930	
	Tax Parcel ID:	1745100100	
	Year Built:	1967	
	Registry Status:	Not Determined	
EX1291 **WSW** **1/2-1 mi** **3677**	**Not Reported** **30223 7TH AVE S** **Federal Way, WA**		**WAI201600026048** **WA HPI**
	Historic ID:	391739	
	Tax Parcel ID:	0643000290	
	Year Built:	1962	
	Registry Status:	Not Determined	
FO1292 **NNW** **1/2-1 mi** **3678**	**Not Reported** **28615 14TH AVE S** **Federal Way, WA**		**WAI201600494722** **WA HPI**
	Historic ID:	309257	
	Tax Parcel ID:	7203000555	
	Year Built:	1964	
	Registry Status:	Not Determined	
EX1293 **WSW** **1/2-1 mi** **3682**	**Not Reported** **30215 7TH AVE S** **Federal Way, WA**		**WAI201600071930** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 327485 Tax Parcel ID: 0643000285 Year Built: 1962 Registry Status: Not Determined	
EX1294 **WSW** **1/2-1 mi** **3683**	**Not Reported** **30247 7TH AVE S** **Federal Way, WA**	**WAI201600065356** **WA HPI**
	Historic ID: 323482 Tax Parcel ID: 0643000310 Year Built: 1962 Registry Status: Not Determined	
FH1295 **East** **1/2-1 mi** **3682**	**Not Reported** **2668 S 300TH ST** **Federal Way, WA**	**WAI201600212077** **WA HPI**
	Historic ID: 318952 Tax Parcel ID: 7985000030 Year Built: 1966 Registry Status: Not Determined	
FA1296 **SSE** **1/2-1 mi** **3683**	**Not Reported** **2210 S 308TH ST** **Federal Way, WA**	**WAI201600354542** **WA HPI**
	Historic ID: 326816 Tax Parcel ID: 0537000240 Year Built: 1934 Registry Status: Not Determined	
FI1297 **ESE** **1/2-1 mi** **3684**	**Not Reported** **30221 26TH PL S** **Federal Way, WA**	**WAI201600498942** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	320914	
	Tax Parcel ID:	3655000320	
	Year Built:	1968	
	Registry Status:	Not Determined	
FQ1298 **WNW** **1/2-1 mi** **3688**	**Not Reported** **704 S 293RD ST** **Federal Way, WA**		**WAI201600208858** **WA HPI**
	Historic ID:	309514	
	Tax Parcel ID:	5152700150	
	Year Built:	1965	
	Registry Status:	Not Determined	
FD1299 **SSE** **1/2-1 mi** **3690**	**Not Reported** **30813 19TH PL S** **Federal Way, WA**		**WAI201600106114** **WA HPI**
	Historic ID:	345021	
	Tax Parcel ID:	7853600010	
	Year Built:	1969	
	Registry Status:	Not Determined	
EP1300 **SW** **1/2-1 mi** **3691**	**Not Reported** **703 S 304TH ST** **Federal Way, WA**		**WAI201600208820** **WA HPI**
	Historic ID:	309476	
	Tax Parcel ID:	2329500150	
	Year Built:	1962	
	Registry Status:	Not Determined	
FI1301 **ESE** **1/2-1 mi** **3691**	**Not Reported** **2627 S 302ND ST** **Federal Way, WA**		**WAI201600211355** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	315965	
	Tax Parcel ID:	7985000250	
	Year Built:	1967	
	Registry Status:	Not Determined	
EY1302 **SE** **1/2-1 mi** **3692**	**Not Reported** **2451 S 304TH ST** **Federal Way, WA**		**WAI201600498978** **WA HPI**
	Historic ID:	320950	
	Tax Parcel ID:	0921049062	
	Year Built:	1953	
	Registry Status:	Not Determined	
FM1303 **NE** **1/2-1 mi** **3692**	**Not Reported** **28805 23RD PL S** **Federal Way, WA**		**WAI201600353316** **WA HPI**
	Historic ID:	316773	
	Tax Parcel ID:	4222500010	
	Year Built:	1963	
	Registry Status:	Not Determined	
FF1304 **NNE** **1/2-1 mi** **3693**	**Not Reported** **28538 20TH AVE S** **Federal Way, WA**		**WAI201600352273** **WA HPI**
	Historic ID:	311657	
	Tax Parcel ID:	4222000210	
	Year Built:	1967	
	Registry Status:	Not Determined	
FP1305 **SSE** **1/2-1 mi** **3694**	**Not Reported** **2017 S 308TH ST** **Federal Way, WA**		**WAI201600206903** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	304168	
	Tax Parcel ID:	0537000361	
	Year Built:	1955	
	Registry Status:	Not Determined	
FO1306 **NNW** **1/2-1 mi** **3697**	**Not Reported** **28635 13TH AVE S** **Federal Way, WA**		**WAI201600351402** **WA HPI**
	Historic ID:	303967	
	Tax Parcel ID:	7203000820	
	Year Built:	1920	
	Registry Status:	Not Determined	
FB1307 **SW** **1/2-1 mi** **3699**	**Not Reported** **30633 10TH AVE S** **Federal Way, WA**		**WAI201600131676** **WA HPI**
	Historic ID:	398422	
	Tax Parcel ID:	0919000020	
	Year Built:	1963	
	Registry Status:	Not Determined	
EX1308 **WSW** **1/2-1 mi** **3701**	**Not Reported** **30205 7TH AVE S** **Federal Way, WA**		**WAI201600130754** **WA HPI**
	Historic ID:	396663	
	Tax Parcel ID:	0643000275	
	Year Built:	1962	
	Registry Status:	Not Determined	
EN1309 **NNE** **1/2-1 mi** **3701**	**Not Reported** **2220 S 288TH ST** **Federal Way, WA**		**WAI201600352095** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 308260
Tax Parcel ID: 3322049137
Year Built: 1961
Registry Status: Not Determined

FR1310
East
1/2-1 mi
3702

Not Reported
29625 MILITARY RD S
Federal Way, WA

WAI201600419093
WA HPI

Historic ID: 397978
Tax Parcel ID: 0421049141
Year Built: 1959
Registry Status: Not Determined

FM1311
NE
1/2-1 mi
3702

Not Reported
28816 23RD PL S
Federal Way, WA

WAI201600208794
WA HPI

Historic ID: 309354
Tax Parcel ID: 4222500410
Year Built: 1963
Registry Status: Not Determined

FO1312
NNW
1/2-1 mi
3708

Not Reported
28637 13TH AVE S
Des Moines, WA

WAI201600213612
WA HPI

Historic ID: 321989
Tax Parcel ID: 7203000840
Year Built: 1912
Registry Status: Not Determined

ET1313
NE
1/2-1 mi
3708

Not Reported
28855 MILITARY RD S
Federal Way, WA

WAI201600307161
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 343808 Tax Parcel ID: 0421049037 Year Built: 1965 Registry Status: Not Determined	
EW1314 **East** **1/2-1 mi** **3711**	**Not Reported** **2658 S 298TH ST** **Federal Way, WA**	**WAI201600352690** **WA HPI**
	Historic ID: 312460 Tax Parcel ID: 7683800014 Year Built: 1939 Registry Status: Not Determined	
EZ1315 **SSW** **1/2-1 mi** **3711**	**Not Reported** **30657 11TH AVE S** **Federal Way, WA**	**WAI201600494159** **WA HPI**
	Historic ID: 306606 Tax Parcel ID: 0919000155 Year Built: 1963 Registry Status: Not Determined	
FI1316 **ESE** **1/2-1 mi** **3712**	**Not Reported** **30229 26TH PL S** **Federal Way, WA**	**WAI201600064841** **WA HPI**
	Historic ID: 322402 Tax Parcel ID: 3655000330 Year Built: 1968 Registry Status: Not Determined	
FB1317 **SSW** **1/2-1 mi** **3712**	**Not Reported** **30644 10TH AVE S** **Federal Way, WA**	**WAI201600214532** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 325366
Tax Parcel ID: 0919000095
Year Built: 1966
Registry Status: Not Determined

FR1318
East
1/2-1 mi
3715

Not Reported
29608 MILITARY RD S
Federal Way, WA

WAI201600213984
WA HPI

Historic ID: 324254
Tax Parcel ID: 0421049028
Year Built: 1957
Registry Status: Not Determined

EP1319
SW
1/2-1 mi
3714

Not Reported
652 S 305TH ST
Federal Way, WA

WAI201600213888
WA HPI

Historic ID: 324065
Tax Parcel ID: 2329500190
Year Built: 1961
Registry Status: Not Determined

FF1320
NNE
1/2-1 mi
3716

Not Reported
28531 20TH AVE S
Federal Way, WA

WAI201600415635
WA HPI

Historic ID: 389500
Tax Parcel ID: 4222000340
Year Built: 1966
Registry Status: Not Determined

EL1321
ESE
1/2-1 mi
3715

Not Reported
2634 S 302ND ST
Federal Way, WA

WAI201600130349
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	395793	
	Tax Parcel ID:	7985000270	
	Year Built:	1967	
	Registry Status:	Not Determined	

FC1322
North
1/2-1 mi
3718

Not Reported
28602 15TH AVE S
Federal Way, WA

WAI201600130879
WA HPI

Historic ID:	396881
Tax Parcel ID:	7203000200
Year Built:	1966
Registry Status:	Not Determined

FS1323
SW
1/2-1 mi
3721

Not Reported
30610 8TH PL S
Federal Way, WA

WAI201600211680
WA HPI

Historic ID:	318181
Tax Parcel ID:	1745100170
Year Built:	1968
Registry Status:	Not Determined

FF1324
NNE
1/2-1 mi
3725

Not Reported
28624 21ST AVE S
Federal Way, WA

WAI201600207956
WA HPI

Historic ID:	306254
Tax Parcel ID:	4222000080
Year Built:	1967
Registry Status:	Not Determined

FT1325
SSE
1/2-1 mi
3727

Not Reported
2214 S 308TH ST
Federal Way, WA

WAI201600063866
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 312933 Tax Parcel ID: 0537000230 Year Built: 1961 Registry Status: Not Determined	
EX1326 **WSW** **1/2-1 mi** **3729**	**Not Reported** **612 S 304TH ST** **Federal Way, WA**	**WAI201600499543** **WA HPI**
	Historic ID: 323611 Tax Parcel ID: 0643000320 Year Built: 1962 Registry Status: Not Determined	
FH1327 **ESE** **1/2-1 mi** **3726**	**Not Reported** **2669 S 300TH ST** **Federal Way, WA**	**WAI201600213309** **WA HPI**
	Historic ID: 321404 Tax Parcel ID: 7985000340 Year Built: 1966 Registry Status: Not Determined	
FG1328 **SW** **1/2-1 mi** **3730**	**Not Reported** **806 S 306TH ST** **Federal Way, WA**	**WAI201600210251** **WA HPI**
	Historic ID: 313830 Tax Parcel ID: 0918000040 Year Built: 1961 Registry Status: Not Determined	
FH1329 **ESE** **1/2-1 mi** **3733**	**Not Reported** **2702 S 301ST ST** **Federal Way, WA**	**WAI201600496499** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 314466 Tax Parcel ID: 7984900160 Year Built: 1966 Registry Status: Not Determined	
FH1330 **ESE** **1/2-1 mi** **3733**	**Not Reported** **30101 27TH AVE S** **Federal Way, WA**	**WAI201600206959** **WA HPI**
	Historic ID: 304224 Tax Parcel ID: 7984900150 Year Built: 1966 Registry Status: Not Determined	
FB1331 **SW** **1/2-1 mi** **3736**	**Not Reported** **30632 9TH AVE S** **Federal Way, WA**	**WAI201600493434** **WA HPI**
	Historic ID: 305210 Tax Parcel ID: 1745000040 Year Built: 1967 Registry Status: Not Determined	
FF1332 **NNE** **1/2-1 mi** **3736**	**Not Reported** **28615 21ST AVE S** **Federal Way, WA**	**WAI201600353152** **WA HPI**
	Historic ID: 316419 Tax Parcel ID: 4222000150 Year Built: 1967 Registry Status: Not Determined	
FS1333 **SW** **1/2-1 mi** **3736**	**Not Reported** **30623 9TH AVE S** **Federal Way, WA**	**WAI201600351405** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	303970	
	Tax Parcel ID:	1745000170	
	Year Built:	1967	
	Registry Status:	Not Determined	
ES1334 **South** **1/2-1 mi** **3738**	**30833 Pacific Hwy S** **30833 Pacific Hwy S** **Federal Way, WA 98003**		**WAI201600028636** **WA HPI**
	Historic ID:	673601	
	Tax Parcel ID:	0821049064	
	Year Built:	1970	
	Registry Status:	Determined Not Eligible	
FG1335 **SW** **1/2-1 mi** **3741**	**Not Reported** **30450 8TH AVE S** **Federal Way, WA**		**WAI201600351560** **WA HPI**
	Historic ID:	307150	
	Tax Parcel ID:	0918000035	
	Year Built:	1961	
	Registry Status:	Not Determined	
EY1336 **SE** **1/2-1 mi** **3742**	**Not Reported** **2519 S 304TH ST** **Federal Way, WA**		**WAI201600129605** **WA HPI**
	Historic ID:	394304	
	Tax Parcel ID:	0921049067	
	Year Built:	1940	
	Registry Status:	Not Determined	
FN1337 **WSW** **1/2-1 mi** **3743**	**Not Reported** **528 S 302ND ST** **Federal Way, WA**		**WAI201600426034** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 400013 Tax Parcel ID: 0643000080 Year Built: 1960 Registry Status: Not Determined	
FU1338 **NNE** **1/2-1 mi** **3742**	**Not Reported** **2205 S 287TH ST** **Federal Way, WA**	**WAI201600351538** **WA HPI**
	Historic ID: 307126 Tax Parcel ID: 0271200010 Year Built: 1968 Registry Status: Not Determined	
FV1339 **SW** **1/2-1 mi** **3746**	**SHARON NORDYKE** **637 S 304 St** **Federal Way, WA 98003**	**WAI201600468941** **WA HPI**
	Historic ID: 676246 Tax Parcel ID: Not Reported Year Built: 1963 Registry Status: Determined Not Eligible	
FI1340 **ESE** **1/2-1 mi** **3746**	**Not Reported** **30235 26TH PL S** **Federal Way, WA**	**WAI201600129317** **WA HPI**
	Historic ID: 393737 Tax Parcel ID: 3655000340 Year Built: 1968 Registry Status: Not Determined	
FN1341 **WSW** **1/2-1 mi** **3748**	**Not Reported** **539 S 302ND ST** **Federal Way, WA**	**WAI201600315954** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 391835 Tax Parcel ID: 0643000270 Year Built: 1962 Registry Status: Not Determined	
FJ1342 **East** **1/2-1 mi** **3749**	**Not Reported** **2655 S 298TH ST** **Federal Way, WA**	**WAI201600496084** **WA HPI**
	Historic ID: 313575 Tax Parcel ID: 7683800300 Year Built: 1943 Registry Status: Not Determined	
FI1343 **ESE** **1/2-1 mi** **3748**	**Not Reported** **30200 26TH PL S** **Federal Way, WA**	**WAI201600417119** **WA HPI**
	Historic ID: 394008 Tax Parcel ID: 3655000080 Year Built: 1969 Registry Status: Not Determined	
FV1344 **SW** **1/2-1 mi** **3750**	**Not Reported** **637 S 304TH ST** **Federal Way, WA**	**WAI201600138559** **WA HPI**
	Historic ID: 400062 Tax Parcel ID: 2329500140 Year Built: 1963 Registry Status: Not Determined	
FD1345 **SSE** **1/2-1 mi** **3751**	**Not Reported** **30819 19TH PL S** **Federal Way, WA**	**WAI201600106086** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	344993	
	Tax Parcel ID:	7853600012	
	Year Built:	1969	
	Registry Status:	Not Determined	
FM1346 **NE** **1/2-1 mi** **3754**	**Not Reported** **28810 23RD PL S** **Federal Way, WA**		**WAI201600211489** **WA HPI**
	Historic ID:	317799	
	Tax Parcel ID:	4222500420	
	Year Built:	1963	
	Registry Status:	Not Determined	
FH1347 **East** **1/2-1 mi** **3753**	**Not Reported** **2676 S 300TH ST** **Federal Way, WA**		**WAI201600353926** **WA HPI**
	Historic ID:	322496	
	Tax Parcel ID:	7985000020	
	Year Built:	1966	
	Registry Status:	Not Determined	
FB1348 **SSW** **1/2-1 mi** **3759**	**Not Reported** **30641 10TH AVE S** **Federal Way, WA**		**WAI201600025910** **WA HPI**
	Historic ID:	391415	
	Tax Parcel ID:	0919000015	
	Year Built:	1963	
	Registry Status:	Not Determined	
FH1349 **ESE** **1/2-1 mi** **3757**	**Not Reported** **30103 27TH AVE S** **Federal Way, WA**		**WAI201600209918** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

Historic ID: 313122
Tax Parcel ID: 7984900140
Year Built: 1966
Registry Status: Not Determined

FF1350
NNE
1/2-1 mi
3758

Not Reported
28532 20TH AVE S
Federal Way, WA

WAI201600315660
WA HPI

Historic ID: 391256
Tax Parcel ID: 4222000220
Year Built: 1967
Registry Status: Not Determined

ES1351
South
1/2-1 mi
3758

30833 Pacific Highway, 30833 Pacific Highway South
Businesses
30833 Pacific Hwy S
Federal Way, WA 98003

WAI201600187691
WA HPI

Historic ID: 85095
Tax Parcel ID: 082149064
Year Built: 1955
Registry Status: Determined Not Eligible

ES1352
South
1/2-1 mi
3759

Not Reported
30833 PACIFIC HWY S
Federal Way, WA

WAI201600393034
WA HPI

Historic ID: 340960
Tax Parcel ID: 0821049064
Year Built: 1955
Registry Status: Not Determined

FP1353
SSE
1/2-1 mi
3761

Not Reported
30816 20TH AVE S
Federal Way, WA

WAI201600209521
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 310837 Tax Parcel ID: 0537000346 Year Built: 1963 Registry Status: Not Determined	
FW1354 **South** **1/2-1 mi** **3764**	**Not Reported** **30905 18TH AVE S** **Federal Way, WA**	**WAI201600499123** **WA HPI**
	Historic ID: 321289 Tax Parcel ID: 7853600140 Year Built: 1944 Registry Status: Not Determined	
FV1355 **SW** **1/2-1 mi** **3767**	**Not Reported** **644 S 305TH ST** **Federal Way, WA**	**WAI201600128698** **WA HPI**
	Historic ID: 392560 Tax Parcel ID: 2329500200 Year Built: 1964 Registry Status: Not Determined	
FP1356 **SSE** **1/2-1 mi** **3768**	**Not Reported** **2021 S 308TH ST** **Federal Way, WA**	**WAI201600494287** **WA HPI**
	Historic ID: 306927 Tax Parcel ID: 0537000365 Year Built: 1957 Registry Status: Not Determined	
FG1357 **SW** **1/2-1 mi** **3773**	**Not Reported** **30605 8TH PL S** **Federal Way, WA**	**WAI201600352172** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 308432 Tax Parcel ID: 1745100110 Year Built: 1968 Registry Status: Not Determined	
FI1358 **ESE** **1/2-1 mi** **3774**	**Not Reported** **54229 182ND AV CT** **Elbe, WA**	**WAI201600390155** **WA HPI**
	Historic ID: 104121 Tax Parcel ID: 3655000070 Year Built: 1894, 1968 Registry Status: Not Determined	
FG1359 **SW** **1/2-1 mi** **3774**	**Not Reported** **30441 8TH AVE S** **Federal Way, WA**	**WAI201600419365** **WA HPI**
	Historic ID: 398535 Tax Parcel ID: 1042500170 Year Built: 1957 Registry Status: Not Determined	
EV1360 **North** **1/2-1 mi** **3775**	**Not Reported** **28606 PACIFIC HWY S** **Federal Way, WA**	**WAI201600096048** **WA HPI**
	Historic ID: 333966 Tax Parcel ID: 3322049157 Year Built: 1964 Registry Status: Not Determined	
FT1361 **SE** **1/2-1 mi** **3778**	**Not Reported** **2218 S 308TH ST** **Federal Way, WA**	**WAI201600500031** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 324674 Tax Parcel ID: 0537000225 Year Built: 1930 Registry Status: Not Determined	
FS1362 **SW** **1/2-1 mi** **3780**	**Not Reported** **30616 8TH PL S** **Federal Way, WA**	**WAI201600210431** **WA HPI**
	Historic ID: 314196 Tax Parcel ID: 1745100160 Year Built: 1968 Registry Status: Not Determined	
FP1363 **SSE** **1/2-1 mi** **3780**	**Not Reported** **2025 S 308TH ST** **Federal Way, WA**	**WAI201600417166** **WA HPI**
	Historic ID: 394150 Tax Parcel ID: 0537000370 Year Built: 1959 Registry Status: Not Determined	
FX1364 **NNE** **1/2-1 mi** **3781**	**Not Reported** **28525 20TH AVE S** **Federal Way, WA**	**WAI201600209794** **WA HPI**
	Historic ID: 311394 Tax Parcel ID: 4222000330 Year Built: 1966 Registry Status: Not Determined	
FU1365 **NNE** **1/2-1 mi** **3782**	**Not Reported** **2213 S 287TH ST** **Federal Way, WA**	**WAI201600211089** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	315510	
	Tax Parcel ID:	0271200020	
	Year Built:	1968	
	Registry Status:	Not Determined	
FB1366 **SSW** **1/2-1 mi** **3783**	**Not Reported** **30652 10TH AVE S** **Federal Way, WA**		**WAI201600500649** **WA HPI**
	Historic ID:	325870	
	Tax Parcel ID:	0919000090	
	Year Built:	1963	
	Registry Status:	Not Determined	
EW1367 **East** **1/2-1 mi** **3782**	**Not Reported** **2664 S 298TH ST** **Federal Way, WA**		**WAI201600209633** **WA HPI**
	Historic ID:	311045	
	Tax Parcel ID:	7683800010	
	Year Built:	1959	
	Registry Status:	Not Determined	
EX1368 **WSW** **1/2-1 mi** **3787**	**Not Reported** **30306 6TH AVE S** **Federal Way, WA**		**WAI201600417569** **WA HPI**
	Historic ID:	394933	
	Tax Parcel ID:	0643100220	
	Year Built:	1967	
	Registry Status:	Not Determined	
EX1369 **WSW** **1/2-1 mi** **3786**	**Not Reported** **30310 6TH AVE S** **Federal Way, WA**		**WAI201600496748** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 314908
Tax Parcel ID: 0643100210
Year Built: 1967
Registry Status: Not Determined

FD1370
South
1/2-1 mi
3789

Not Reported
30904 18TH AVE S
Federal Way, WA

WAI201600025670
WA HPI

Historic ID: 390989
Tax Parcel ID: 7853600105
Year Built: 1960
Registry Status: Not Determined

FY1371
ESE
1/2-1 mi
3789

Not Reported
30109 27TH AVE S
Federal Way, WA

WAI201600208114
WA HPI

Historic ID: 306505
Tax Parcel ID: 7984900130
Year Built: 1966
Registry Status: Not Determined

1372
North
1/2-1 mi
3799

Blue Ridge Apartments
28606 Pacific Hwy S
Federal Way, WA 98003

WAI201600324775
WA HPI

Historic ID: 673325
Tax Parcel ID: 3322049157
Year Built: 1964
Registry Status: Determined Not Eligible

FF1373
NNE
1/2-1 mi
3800

Not Reported
28616 21ST AVE S
Federal Way, WA

WAI201600210261
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	313840	
	Tax Parcel ID:	4222000090	
	Year Built:	1967	
	Registry Status:	Not Determined	
FZ1374 **SW** **1/2-1 mi** **3800**	**Not Reported** **30640 9TH AVE S** **Federal Way, WA**		**WAI201600213729** **WA HPI**
	Historic ID:	323718	
	Tax Parcel ID:	1745000030	
	Year Built:	1967	
	Registry Status:	Not Determined	
FI1375 **ESE** **1/2-1 mi** **3798**	**Not Reported** **54305 182ND AV CT** **Elbe, WA**		**WAI201600390156** **WA HPI**
	Historic ID:	104122	
	Tax Parcel ID:	3655000060	
	Year Built:	1920, 1968	
	Registry Status:	Not Determined	
FN1376 **WSW** **1/2-1 mi** **3802**	**Not Reported** **30302 6TH AVE S** **Federal Way, WA**		**WAI201600210689** **WA HPI**
	Historic ID:	314644	
	Tax Parcel ID:	0643100230	
	Year Built:	1967	
	Registry Status:	Not Determined	
FP1377 **SSE** **1/2-1 mi** **3802**	**Not Reported** **2029 S 308TH ST** **Federal Way, WA**		**WAI201600129638** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	394430	
	Tax Parcel ID:	0537000375	
	Year Built:	1949	
	Registry Status:	Not Determined	
FS1378 **SW** **1/2-1 mi** **3801**	**Not Reported** **30631 9TH AVE S** **Federal Way, WA**		**WAI201600209511** **WA HPI**
	Historic ID:	310827	
	Tax Parcel ID:	1745000180	
	Year Built:	1967	
	Registry Status:	Not Determined	
FY1379 **ESE** **1/2-1 mi** **3805**	**Not Reported** **30121 27TH AVE S** **Federal Way, WA**		**WAI201600063105** **WA HPI**
	Historic ID:	308392	
	Tax Parcel ID:	7984900120	
	Year Built:	1966	
	Registry Status:	Not Determined	
FL1380 **WNW** **1/2-1 mi** **3805**	**Not Reported** **29219 7TH PL S** **Federal Way, WA**		**WAI201600211342** **WA HPI**
	Historic ID:	315952	
	Tax Parcel ID:	5152700050	
	Year Built:	1968	
	Registry Status:	Not Determined	
FM1381 **NE** **1/2-1 mi** **3809**	**Not Reported** **28804 23RD PL S** **Federal Way, WA**		**WAI201600416977** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

Historic ID: 393771
Tax Parcel ID: 4222500430
Year Built: 1964
Registry Status: Not Determined

FV1382
SW
1/2-1 mi
3809

Not Reported
631 S 304TH ST
Federal Way, WA

WAI201600425958
WA HPI

Historic ID: 399842
Tax Parcel ID: 2329500130
Year Built: 1966
Registry Status: Not Determined

FY1383
ESE
1/2-1 mi
3810

Not Reported
30201 27TH AVE S
Federal Way, WA

WAI201600353896
WA HPI

Historic ID: 322466
Tax Parcel ID: 7984900110
Year Built: 1966
Registry Status: Not Determined

GA1384
South
1/2-1 mi
3810

New Lumber and Hardware
30854 Pacific Hwy S
Federal Way, WA 98003

WAI201600028690
WA HPI

Historic ID: 673755
Tax Parcel ID: 7853600220
Year Built: 1945
Registry Status: Determined Not Eligible

FD1385
SSE
1/2-1 mi
3810

Not Reported
30825 19TH PL S
Federal Way, WA

WAI201600106066
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	344973	
	Tax Parcel ID:	7853600015	
	Year Built:	1969	
	Registry Status:	Not Determined	
FC1386 **North** **1/2-1 mi** **3812**	**Not Reported** **28450 15TH AVE S** **Federal Way, WA**		**WAI201600214152** **WA HPI**
	Historic ID:	324611	
	Tax Parcel ID:	7203000064	
	Year Built:	1946	
	Registry Status:	Not Determined	
FR1387 **East** **1/2-1 mi** **3814**	**Not Reported** **2666 S 298TH ST** **Federal Way, WA**		**WAI201600417871** **WA HPI**
	Historic ID:	395520	
	Tax Parcel ID:	7683800015	
	Year Built:	1963	
	Registry Status:	Not Determined	
GB1388 **SE** **1/2-1 mi** **3812**	**Not Reported** **2529 S 304TH ST** **Federal Way, WA**		**WAI201600211063** **WA HPI**
	Historic ID:	315391	
	Tax Parcel ID:	0921049071	
	Year Built:	1943	
	Registry Status:	Not Determined	
FN1389 **WSW** **1/2-1 mi** **3815**	**Not Reported** **520 S 302ND ST** **Federal Way, WA**		**WAI201600208863** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	309519	
	Tax Parcel ID:	0643000070	
	Year Built:	1960	
	Registry Status:	Not Determined	
FF1390 **NNE** **1/2-1 mi** **3817**	**Not Reported** **28607 21ST AVE S** **Federal Way, WA**		**WAI201600129890** **WA HPI**
	Historic ID:	394868	
	Tax Parcel ID:	4222000140	
	Year Built:	1967	
	Registry Status:	Not Determined	
FT1391 **SE** **1/2-1 mi** **3818**	**Not Reported** **2222 S 308TH ST** **Federal Way, WA**		**WAI201600495307** **WA HPI**
	Historic ID:	310518	
	Tax Parcel ID:	0537000210	
	Year Built:	1934	
	Registry Status:	Not Determined	
FN1392 **WSW** **1/2-1 mi** **3823**	**Not Reported** **529 S 302ND ST** **Federal Way, WA**		**WAI201600209616** **WA HPI**
	Historic ID:	311028	
	Tax Parcel ID:	0643000260	
	Year Built:	1960	
	Registry Status:	Not Determined	
FB1393 **SSW** **1/2-1 mi** **3822**	**Not Reported** **30649 10TH AVE S** **Federal Way, WA**		**WAI201600130793** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 396702
Tax Parcel ID: 0919000010
Year Built: 1965
Registry Status: Not Determined

FU1394
NNE
1/2-1 mi
3821

Not Reported
2221 S 287TH ST
Federal Way, WA

WAI201600493328
WA HPI

Historic ID: 304913
Tax Parcel ID: 0271200030
Year Built: 1969
Registry Status: Not Determined

FV1395
WSW
1/2-1 mi
3825

Not Reported
608 S 304TH ST
Federal Way, WA

WAI201600418388
WA HPI

Historic ID: 396608
Tax Parcel ID: 0643100200
Year Built: 1967
Registry Status: Not Determined

FY1396
ESE
1/2-1 mi
3825

Not Reported
30207 27TH AVE S
Federal Way, WA

WAI201600416827
WA HPI

Historic ID: 393431
Tax Parcel ID: 7984800200
Year Built: 1965
Registry Status: Not Determined

GC1397
SSE
1/2-1 mi
3825

Not Reported
2041 S 308TH ST
Federal Way, WA

WAI201600063614
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	312401	
	Tax Parcel ID:	0537000395	
	Year Built:	1943	
	Registry Status:	Not Determined	
FS1398 **SW** **1/2-1 mi** **3828**	**Not Reported** **30611 8TH PL S** **Federal Way, WA**		**WAI201600128561** **WA HPI**
	Historic ID:	392237	
	Tax Parcel ID:	1745100120	
	Year Built:	1968	
	Registry Status:	Not Determined	
FH1399 **East** **1/2-1 mi** **3830**	**Not Reported** **2682 S 300TH ST** **Federal Way, WA**		**WAI201600065587** **WA HPI**
	Historic ID:	326932	
	Tax Parcel ID:	7985000010	
	Year Built:	1967	
	Registry Status:	Not Determined	
FF1400 **NNE** **1/2-1 mi** **3828**	**Not Reported** **28526 20TH AVE S** **Federal Way, WA**		**WAI201600418504** **WA HPI**
	Historic ID:	396819	
	Tax Parcel ID:	4222000230	
	Year Built:	1967	
	Registry Status:	Not Determined	
FV1401 **SW** **1/2-1 mi** **3829**	**Not Reported** **636 S 305TH ST** **Federal Way, WA**		**WAI201600496001** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	313397	
	Tax Parcel ID:	2329500210	
	Year Built:	1962	
	Registry Status:	Not Determined	
FH1402 **ESE** **1/2-1 mi** **3829**	**Not Reported** **2706 S 301ST ST** **Federal Way, WA**		**WAI201600353138** **WA HPI**
	Historic ID:	316405	
	Tax Parcel ID:	7984900170	
	Year Built:	1966	
	Registry Status:	Not Determined	
FU1403 **NNE** **1/2-1 mi** **3834**	**Not Reported** **2200 S 287TH ST** **Federal Way, WA**		**WAI201600494293** **WA HPI**
	Historic ID:	306933	
	Tax Parcel ID:	0271200180	
	Year Built:	1969	
	Registry Status:	Not Determined	
GD1404 **SW** **1/2-1 mi** **3836**	**Not Reported** **649 S 305TH ST** **Federal Way, WA**		**WAI201600065263** **WA HPI**
	Historic ID:	323296	
	Tax Parcel ID:	1042500160	
	Year Built:	1961	
	Registry Status:	Not Determined	
FI1405 **ESE** **1/2-1 mi** **3836**	**Not Reported** **30220 26TH PL S** **Federal Way, WA**		**WAI201600128456** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 392039 Tax Parcel ID: 3655000050 Year Built: 1968 Registry Status: Not Determined	
GA1406 **South** **1/2-1 mi** **3838**	**Knoll's Hardware and Lumber, New Hardware and Lumber** **30850 Pacific Hwy S** **Federal Way, WA 98003**	**WAI201600187689** **WA HPI**
	Historic ID: 85093 Tax Parcel ID: 7853600220 Year Built: 1945 Registry Status: Determined Not Eligible, Not Determined	
1407 **NE** **1/2-1 mi** **3841**	**Not Reported** **29016 MILITARY RD S** **Federal Way, WA**	**WAI201600492950** **WA HPI**
	Historic ID: 304152 Tax Parcel ID: 0421049123 Year Built: 1958 Registry Status: Not Determined	
GE1408 **North** **1/2-1 mi** **3845**	**Not Reported** **28449 15TH AVE S** **Federal Way, WA**	**WAI201600419262** **WA HPI**
	Historic ID: 398337 Tax Parcel ID: 7203000490 Year Built: 1964 Registry Status: Not Determined	
FS1409 **SW** **1/2-1 mi** **3845**	**Not Reported** **30620 8TH PL S** **Federal Way, WA**	**WAI201600211056** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	315384	
	Tax Parcel ID:	1745100150	
	Year Built:	1968	
	Registry Status:	Not Determined	
FT1410 **SE** **1/2-1 mi** **3847**	**Not Reported** **2226 S 308TH ST** **Federal Way, WA**		**WAI201600213662** **WA HPI**
	Historic ID:	323651	
	Tax Parcel ID:	0537000205	
	Year Built:	1935	
	Registry Status:	Not Determined	
FO1411 **NNW** **1/2-1 mi** **3847**	**Not Reported** **28615 13TH AVE S** **Federal Way, WA**		**WAI201600418904** **WA HPI**
	Historic ID:	397599	
	Tax Parcel ID:	7203000800	
	Year Built:	1969	
	Registry Status:	Not Determined	
GF1412 **SSW** **1/2-1 mi** **3849**	**Not Reported** **30823 14TH AVE S** **Federal Way, WA**		**WAI201600392190** **WA HPI**
	Historic ID:	339259	
	Tax Parcel ID:	0821049160	
	Year Built:	1961	
	Registry Status:	Not Determined	
GB1413 **SE** **1/2-1 mi** **3850**	**Not Reported** **2605 S 304TH ST** **Federal Way, WA**		**WAI201600493889** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 306047 Tax Parcel ID: 0921049078 Year Built: 1957 Registry Status: Not Determined	
FX1414 **NNE** **1/2-1 mi** **3852**	**Not Reported** **28517 20TH AVE S** **Federal Way, WA**	**WAI201600212949** **WA HPI**
	Historic ID: 320665 Tax Parcel ID: 4222000320 Year Built: 1966 Registry Status: Not Determined	
FI1415 **ESE** **1/2-1 mi** **3850**	**Not Reported** **30215 27TH AVE S** **Federal Way, WA**	**WAI201600496404** **WA HPI**
	Historic ID: 314275 Tax Parcel ID: 7984800190 Year Built: 1965 Registry Status: Not Determined	
FN1416 **WSW** **1/2-1 mi** **3856**	**Not Reported** **526 S 303RD ST** **Federal Way, WA**	**WAI201600416910** **WA HPI**
	Historic ID: 393609 Tax Parcel ID: 0643100240 Year Built: 1967 Registry Status: Not Determined	
FG1417 **SW** **1/2-1 mi** **3858**	**Not Reported** **805 S 306TH** **Federal Way, WA 98003**	**WAI201600351388** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	303952	
	Tax Parcel ID:	0918000045	
	Year Built:	1963	
	Registry Status:	Determined Not Eligible, Not Determined	

FM1418
NE
1/2-1 mi
3862

Not Reported
2225 S 287TH ST
Federal Way, WA

WAI201600495432
WA HPI

Historic ID:	310738
Tax Parcel ID:	0271200040
Year Built:	1968
Registry Status:	Not Determined

FI1419
ESE
1/2-1 mi
3865

Not Reported
30228 26TH PL S
Federal Way, WA

WAI201600425324
WA HPI

Historic ID:	398638
Tax Parcel ID:	3655000040
Year Built:	1969
Registry Status:	Not Determined

FZ1420
SW
1/2-1 mi
3867

Not Reported
30648 9TH AVE S
Federal Way, WA

WAI201600498355
WA HPI

Historic ID:	319656
Tax Parcel ID:	1745000020
Year Built:	1967
Registry Status:	Not Determined

FS1421
SW
1/2-1 mi
3873

Not Reported
30639 9TH AVE S
Federal Way, WA

WAI201600353269
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 316631 Tax Parcel ID: 1745000190 Year Built: 1967 Registry Status: Not Determined	
FV1422 **WSW** **1/2-1 mi** **3873**	**Not Reported** **623 S 304TH ST** **Federal Way, WA**	**WAI201600495060** **WA HPI**
	Historic ID: 309982 Tax Parcel ID: 2329500120 Year Built: 1962 Registry Status: Not Determined	
GG1423 **NNE** **1/2-1 mi** **3872**	**Not Reported** **28606 21ST AVE S** **Federal Way, WA**	**WAI201600128406** **WA HPI**
	Historic ID: 390485 Tax Parcel ID: 4222000100 Year Built: 1967 Registry Status: Not Determined	
FP1424 **SSE** **1/2-1 mi** **3872**	**Not Reported** **30828 20TH AVE S** **Federal Way, WA**	**WAI201600025853** **WA HPI**
	Historic ID: 391358 Tax Parcel ID: 0537000616 Year Built: 1955 Registry Status: Not Determined	
FT1425 **SE** **1/2-1 mi** **3872**	**Not Reported** **2230 S 308TH ST** **Federal Way, WA**	**WAI201600063691** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	312571	
	Tax Parcel ID:	0537000200	
	Year Built:	1939	
	Registry Status:	Not Determined	
FU1426 **NNE** **1/2-1 mi** **3873**	**Not Reported** **2204 S 287TH ST** **Federal Way, WA**		**WAI201600354220** **WA HPI**
	Historic ID:	323176	
	Tax Parcel ID:	0271200170	
	Year Built:	1969	
	Registry Status:	Not Determined	
FH1427 **ESE** **1/2-1 mi** **3874**	**Not Reported** **30005 28TH AVE S** **Federal Way, WA**		**WAI201600209299** **WA HPI**
	Historic ID:	310428	
	Tax Parcel ID:	7985000360	
	Year Built:	1966	
	Registry Status:	Not Determined	
GH1428 **SSE** **1/2-1 mi** **3876**	**Not Reported** **30831 19TH PL S** **Federal Way, WA**		**WAI201600105978** **WA HPI**
	Historic ID:	344792	
	Tax Parcel ID:	7853600021	
	Year Built:	1969	
	Registry Status:	Not Determined	
GI1429 **East** **1/2-1 mi** **3880**	**Not Reported** **2565 S 298TH ST** **Federal Way, WA**		**WAI201600499001** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	320973	
	Tax Parcel ID:	6602500015	
	Year Built:	1946	
	Registry Status:	Not Determined	
FI1430 **ESE** **1/2-1 mi** **3881**	**Not Reported** **30223 27TH AVE S** **Federal Way, WA**		**WAI201600496126** **WA HPI**
	Historic ID:	313712	
	Tax Parcel ID:	7984800180	
	Year Built:	1964	
	Registry Status:	Not Determined	
GE1431 **North** **1/2-1 mi** **3885**	**Not Reported** **1404 S 286TH ST** **Federal Way, WA**		**WAI201600353476** **WA HPI**
	Historic ID:	317125	
	Tax Parcel ID:	7203000500	
	Year Built:	1963	
	Registry Status:	Not Determined	
FZ1432 **SSW** **1/2-1 mi** **3884**	**Not Reported** **30653 10TH AVE S** **Federal Way, WA**		**WAI201600131690** **WA HPI**
	Historic ID:	398436	
	Tax Parcel ID:	0919000005	
	Year Built:	1963	
	Registry Status:	Not Determined	
FQ1433 **WNW** **1/2-1 mi** **3886**	**Not Reported** **29200 7TH PL S** **Federal Way, WA**		**WAI201600129630** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	394422	
	Tax Parcel ID:	5152700170	
	Year Built:	1967	
	Registry Status:	Not Determined	
FJ1434 **East** **1/2-1 mi** **3884**	**Not Reported** **2800 S 299TH PL** **Federal Way, WA**		**WAI201600351559** **WA HPI**
	Historic ID:	307149	
	Tax Parcel ID:	6602500050	
	Year Built:	1962	
	Registry Status:	Not Determined	
FV1435 **SW** **1/2-1 mi** **3885**	**Not Reported** **643 S 305TH ST** **Federal Way, WA**		**WAI201600130609** **WA HPI**
	Historic ID:	396332	
	Tax Parcel ID:	1042500150	
	Year Built:	1962	
	Registry Status:	Not Determined	
FN1436 **WSW** **1/2-1 mi** **3886**	**Not Reported** **512 S 302ND ST** **Federal Way, WA**		**WAI201600394315** **WA HPI**
	Historic ID:	345078	
	Tax Parcel ID:	0643000060	
	Year Built:	1962	
	Registry Status:	Not Determined	
FV1437 **SW** **1/2-1 mi** **3889**	**Not Reported** **628 S 305TH ST** **Federal Way, WA**		**WAI201600418063** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	395903	
	Tax Parcel ID:	2329500220	
	Year Built:	1962	
	Registry Status:	Not Determined	
FR1438 **East** **1/2-1 mi** **3887**	**Not Reported** **2672 S 298TH ST** **Federal Way, WA**		**WAI201600352406** **WA HPI**
	Historic ID:	311889	
	Tax Parcel ID:	0421049120	
	Year Built:	1959	
	Registry Status:	Not Determined	
FS1439 **SW** **1/2-1 mi** **3893**	**Not Reported** **30617 8TH PL S** **Federal Way, WA**		**WAI201600072215** **WA HPI**
	Historic ID:	328053	
	Tax Parcel ID:	1745100130	
	Year Built:	1968	
	Registry Status:	Not Determined	
GB1440 **SE** **1/2-1 mi** **3890**	**Not Reported** **2609 S 304TH ST** **Federal Way, WA**		**WAI201600316044** **WA HPI**
	Historic ID:	392020	
	Tax Parcel ID:	0921049077	
	Year Built:	1943	
	Registry Status:	Not Determined	
FX1441 **NNE** **1/2-1 mi** **3894**	**Not Reported** **28518 20TH AVE S** **Federal Way, WA**		**WAI201600425674** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 399273 Tax Parcel ID: 4222000240 Year Built: 1967 Registry Status: Not Determined	
FW1442 **South** **1/2-1 mi** **3898**	**Not Reported** **30908 18TH AVE S** **Federal Way, WA**	**WAI201600394307** **WA HPI**
	Historic ID: 345070 Tax Parcel ID: 7853600100 Year Built: 1959 Registry Status: Not Determined	
FX1443 **NNE** **1/2-1 mi** **3899**	**Not Reported** **28601 21ST AVE S** **Federal Way, WA**	**WAI201600211074** **WA HPI**
	Historic ID: 315402 Tax Parcel ID: 4222000130 Year Built: 1967 Registry Status: Not Determined	
FM1444 **NE** **1/2-1 mi** **3899**	**Not Reported** **2231 S 287TH ST** **Federal Way, WA**	**WAI201600210568** **WA HPI**
	Historic ID: 314427 Tax Parcel ID: 0271200050 Year Built: 1968 Registry Status: Not Determined	
GE1445 **North** **1/2-1 mi** **3900**	**Not Reported** **28444 15TH AVE S** **Federal Way, WA**	**WAI201600025598** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 390824 Tax Parcel ID: 7203000085 Year Built: 1966 Registry Status: Not Determined	
FH1446 **ESE** **1/2-1 mi** **3897**	**Not Reported** **2712 S 301ST ST** **Federal Way, WA**	**WAI201600065682** **WA HPI**
	Historic ID: 327120 Tax Parcel ID: 7984900180 Year Built: 1966 Registry Status: Not Determined	
FJ1447 **East** **1/2-1 mi** **3900**	**Not Reported** **2801 S 299TH PL** **Federal Way, WA**	**WAI201600498820** **WA HPI**
	Historic ID: 320599 Tax Parcel ID: 6602500060 Year Built: 1962 Registry Status: Not Determined	
FN1448 **WSW** **1/2-1 mi** **3902**	**Not Reported** **519 S 302ND ST** **Federal Way, WA**	**WAI201600496925** **WA HPI**
	Historic ID: 315276 Tax Parcel ID: 0643000250 Year Built: 1961 Registry Status: Not Determined	
GE1449 **North** **1/2-1 mi** **3903**	**Not Reported** **28443 15TH AVE S** **Federal Way, WA**	**WAI201600418706** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	397211	
	Tax Parcel ID:	7203000485	
	Year Built:	1964	
	Registry Status:	Not Determined	
FT1450 **SE** **1/2-1 mi** **3903**	**Not Reported** **2238 S 308TH ST** **Federal Way, WA**		**WAI201600130491** **WA HPI**
	Historic ID:	396121	
	Tax Parcel ID:	0537000195	
	Year Built:	1939	
	Registry Status:	Not Determined	
FY1451 **ESE** **1/2-1 mi** **3903**	**Not Reported** **30106 27TH AVE S** **Federal Way, WA**		**WAI201600496318** **WA HPI**
	Historic ID:	314094	
	Tax Parcel ID:	7984900070	
	Year Built:	1966	
	Registry Status:	Not Determined	
FS1452 **SW** **1/2-1 mi** **3909**	**Not Reported** **30621 8TH PL S** **Federal Way, WA**		**WAI201600138838** **WA HPI**
	Historic ID:	400620	
	Tax Parcel ID:	1745100140	
	Year Built:	1967	
	Registry Status:	Not Determined	
FS1453 **SW** **1/2-1 mi** **3912**	**Not Reported** **30608 8TH AVE S** **Federal Way, WA**		**WAI201600496127** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	313713	
	Tax Parcel ID:	0918000050	
	Year Built:	1961	
	Registry Status:	Not Determined	
FU1454 **NNE** **1/2-1 mi** **3914**	**Not Reported** **2111 S 286TH ST** **Federal Way, WA**		**WAI201600351611** **WA HPI**
	Historic ID:	307296	
	Tax Parcel ID:	4222100010	
	Year Built:	1967	
	Registry Status:	Not Determined	
FI1455 **ESE** **1/2-1 mi** **3914**	**Not Reported** **30231 27TH AVE S** **Federal Way, WA**		**WAI201600418315** **WA HPI**
	Historic ID:	396440	
	Tax Parcel ID:	7984800170	
	Year Built:	1965	
	Registry Status:	Not Determined	
FQ1456 **WNW** **1/2-1 mi** **3915**	**Not Reported** **29211 7TH PL S** **Federal Way, WA**		**WAI201600071865** **WA HPI**
	Historic ID:	327327	
	Tax Parcel ID:	5152700060	
	Year Built:	1967	
	Registry Status:	Not Determined	
FU1457 **NNE** **1/2-1 mi** **3919**	**Not Reported** **2212 S 287TH ST** **Federal Way, WA**		**WAI201600131360** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	397827	
	Tax Parcel ID:	0271200160	
	Year Built:	1969	
	Registry Status:	Not Determined	
GA1458 **South** **1/2-1 mi** **3920**	**HairLounge.com** **1626 S 310th St** **Federal Way, WA 98003**		**WAI201600028689** **WA HPI**
	Historic ID:	673754	
	Tax Parcel ID:	7853600215	
	Year Built:	1946	
	Registry Status:	Determined Not Eligible	
FX1459 **NNE** **1/2-1 mi** **3922**	**Not Reported** **28509 20TH AVE S** **Federal Way, WA**		**WAI201600211995** **WA HPI**
	Historic ID:	318776	
	Tax Parcel ID:	4222000310	
	Year Built:	1966	
	Registry Status:	Not Determined	
GC1460 **SSE** **1/2-1 mi** **3924**	**Not Reported** **2055 S 308TH ST** **Federal Way, WA**		**WAI201600495014** **WA HPI**
	Historic ID:	309936	
	Tax Parcel ID:	0537000410	
	Year Built:	1954	
	Registry Status:	Not Determined	
GB1461 **SE** **1/2-1 mi** **3928**	**Not Reported** **2613 S 304TH ST** **Federal Way, WA**		**WAI201600353388** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	316942	
	Tax Parcel ID:	0921049079	
	Year Built:	1953	
	Registry Status:	Not Determined	
FT1462 **SE** **1/2-1 mi** **3929**	**Not Reported** **2240 S 308TH ST** **Federal Way, WA**		**WAI201600065627** **WA HPI**
	Historic ID:	327065	
	Tax Parcel ID:	0537000190	
	Year Built:	1947	
	Registry Status:	Not Determined	
GJ1463 **ESE** **1/2-1 mi** **3929**	**Not Reported** **2626 S 304TH ST** **Federal Way, WA**		**WAI201600063743** **WA HPI**
	Historic ID:	312717	
	Tax Parcel ID:	3655000020	
	Year Built:	1954	
	Registry Status:	Not Determined	
FV1464 **WSW** **1/2-1 mi** **3933**	**Not Reported** **615 S 304TH ST** **Federal Way, WA**		**WAI201600425528** **WA HPI**
	Historic ID:	399032	
	Tax Parcel ID:	2329500110	
	Year Built:	1962	
	Registry Status:	Not Determined	
FP1465 **SSE** **1/2-1 mi** **3933**	**Not Reported** **30822 20TH AVE S** **Federal Way, WA**		**WAI201600352448** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 312026 Tax Parcel ID: 0537000617 Year Built: 1959 Registry Status: Not Determined	
FY1466 **ESE** **1/2-1 mi** **3935**	**Not Reported** **30112 27TH AVE S** **Federal Way, WA**	**WAI201600209439** **WA HPI**
	Historic ID: 310661 Tax Parcel ID: 7984900080 Year Built: 1966 Registry Status: Not Determined	
FZ1467 **SW** **1/2-1 mi** **3938**	**Not Reported** **30647 9TH AVE S** **Federal Way, WA**	**WAI201600494047** **WA HPI**
	Historic ID: 306399 Tax Parcel ID: 1745000200 Year Built: 1967 Registry Status: Not Determined	
GH1468 **SSE** **1/2-1 mi** **3937**	**Not Reported** **1842 S 310TH ST** **Federal Way, WA**	**WAI201600416186** **WA HPI**
	Historic ID: 392125 Tax Parcel ID: 7853600027 Year Built: 1967 Registry Status: Not Determined	
FZ1469 **SSW** **1/2-1 mi** **3940**	**Not Reported** **30656 9TH AVE S** **Federal Way, WA**	**WAI201600064461** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	317109	
	Tax Parcel ID:	1745000010	
	Year Built:	1967	
	Registry Status:	Not Determined	
GK1470 **NE** **1/2-1 mi** **3939**	**Not Reported** **2237 S 287TH ST** **Federal Way, WA**		**WAI201600214850** **WA HPI**
	Historic ID:	325968	
	Tax Parcel ID:	0271200060	
	Year Built:	1968	
	Registry Status:	Not Determined	
GE1471 **NNW** **1/2-1 mi** **3944**	**Not Reported** **28445 14TH AVE S** **Federal Way, WA**		**WAI201600495084** **WA HPI**
	Historic ID:	310006	
	Tax Parcel ID:	7203000530	
	Year Built:	1967	
	Registry Status:	Not Determined	
GL1472 **WSW** **1/2-1 mi** **3946**	**Not Reported** **520 S 303RD ST** **Federal Way, WA**		**WAI201600127973** **WA HPI**
	Historic ID:	389587	
	Tax Parcel ID:	0643100250	
	Year Built:	1967	
	Registry Status:	Not Determined	
FV1473 **SW** **1/2-1 mi** **3947**	**Not Reported** **622 S 305TH ST** **Federal Way, WA**		**WAI201600208732** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	309292	
	Tax Parcel ID:	2329500230	
	Year Built:	1961	
	Registry Status:	Not Determined	
FV1474 **SW** **1/2-1 mi** **3949**	**Not Reported** **635 S 305TH ST** **Federal Way, WA**		**WAI201600213083** **WA HPI**
	Historic ID:	320988	
	Tax Parcel ID:	1042500140	
	Year Built:	1962	
	Registry Status:	Not Determined	
FW1475 **South** **1/2-1 mi** **3950**	**Not Reported** **1648 S 310TH ST** **Federal Way, WA**		**WAI201600104111** **WA HPI**
	Historic ID:	339552	
	Tax Parcel ID:	7853600150	
	Year Built:	1957	
	Registry Status:	Not Determined	
FU1476 **NNE** **1/2-1 mi** **3951**	**Not Reported** **2220 S 287TH ST** **Federal Way, WA**		**WAI201600208031** **WA HPI**
	Historic ID:	306329	
	Tax Parcel ID:	0271200150	
	Year Built:	1969	
	Registry Status:	Not Determined	
GJ1477 **ESE** **1/2-1 mi** **3951**	**Not Reported** **30229 27TH AVE S** **Federal Way, WA**		**WAI201600496081** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 313572 Tax Parcel ID: 7984800160 Year Built: 1964 Registry Status: Not Determined	
FY1478 **ESE** **1/2-1 mi** **3952**	**Not Reported** **30206 27TH AVE S** **Federal Way, WA**	**WAI201600025995** **WA HPI**
	Historic ID: 391593 Tax Parcel ID: 7984800120 Year Built: 1965 Registry Status: Not Determined	
FU1479 **NNE** **1/2-1 mi** **3953**	**Not Reported** **2121 S 286TH ST** **Federal Way, WA**	**WAI201600425845** **WA HPI**
	Historic ID: 399634 Tax Parcel ID: 4222100020 Year Built: 1967 Registry Status: Not Determined	
GL1480 **WSW** **1/2-1 mi** **3955**	**Not Reported** **506 S 302ND ST** **Federal Way, WA**	**WAI201600208382** **WA HPI**
	Historic ID: 308568 Tax Parcel ID: 0643000050 Year Built: 1962 Registry Status: Not Determined	
GI1481 **East** **1/2-1 mi** **3952**	**Not Reported** **2810 S 299TH PL** **Federal Way, WA**	**WAI201600208485** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	308765	
	Tax Parcel ID:	6602500040	
	Year Built:	1962	
	Registry Status:	Not Determined	
GI1482 **East** **1/2-1 mi** **3953**	**Not Reported** **2807 S 299TH PL** **Federal Way, WA**		**WAI201600064170** **WA HPI**
	Historic ID:	316537	
	Tax Parcel ID:	6602500070	
	Year Built:	1962	
	Registry Status:	Not Determined	
GK1483 **NE** **1/2-1 mi** **3956**	**Not Reported** **2312 S 288TH ST** **Federal Way, WA**		**WAI201600499733** **WA HPI**
	Historic ID:	323993	
	Tax Parcel ID:	3322049122	
	Year Built:	1957	
	Registry Status:	Not Determined	
GL1484 **WSW** **1/2-1 mi** **3958**	**Not Reported** **460 S 304TH ST** **Federal Way, WA**		**WAI201600213550** **WA HPI**
	Historic ID:	321927	
	Tax Parcel ID:	0643100140	
	Year Built:	1967	
	Registry Status:	Not Determined	
FX1485 **NNE** **1/2-1 mi** **3960**	**Not Reported** **28510 20TH AVE S** **Federal Way, WA**		**WAI201600207265** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	304812	
	Tax Parcel ID:	4222000250	
	Year Built:	1967	
	Registry Status:	Not Determined	
GM1486 **SE** **1/2-1 mi** **3959**	**Not Reported** **2246 S 308TH ST** **Federal Way, WA**		**WAI201600493510** **WA HPI**
	Historic ID:	305286	
	Tax Parcel ID:	0537000185	
	Year Built:	1962	
	Registry Status:	Not Determined	
1487 **SSW** **1/2-1 mi** **3960**	**Not Reported** **1029 S 308TH ST** **Federal Way, WA**		**WAI201600417546** **WA HPI**
	Historic ID:	394910	
	Tax Parcel ID:	0821049003	
	Year Built:	1944	
	Registry Status:	Not Determined	
GB1488 **SE** **1/2-1 mi** **3959**	**Not Reported** **2619 S 304TH ST** **Federal Way, WA**		**WAI201600351427** **WA HPI**
	Historic ID:	304087	
	Tax Parcel ID:	0921049076	
	Year Built:	1940	
	Registry Status:	Not Determined	
FY1489 **ESE** **1/2-1 mi** **3963**	**Not Reported** **30118 27TH AVE S** **Federal Way, WA**		**WAI201600207160** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	304612	
	Tax Parcel ID:	7984900090	
	Year Built:	1966	
	Registry Status:	Not Determined	
FY1490 **ESE** **1/2-1 mi** **3963**	**Not Reported** **30126 27TH AVE S** **Federal Way, WA**		**WAI201600499991** **WA HPI**
	Historic ID:	324539	
	Tax Parcel ID:	7984900100	
	Year Built:	1965	
	Registry Status:	Not Determined	
FW1491 **South** **1/2-1 mi** **3965**	**Not Reported** **30915 18TH AVE S** **Federal Way, WA**		**WAI201600392272** **WA HPI**
	Historic ID:	339436	
	Tax Parcel ID:	7853600151	
	Year Built:	1953	
	Registry Status:	Not Determined	
FS1492 **SW** **1/2-1 mi** **3968**	**Not Reported** **30618 8TH AVE S** **Federal Way, WA**		**WAI201600065385** **WA HPI**
	Historic ID:	323518	
	Tax Parcel ID:	0918000055	
	Year Built:	1962	
	Registry Status:	Not Determined	
1493 **NNW** **1/2-1 mi** **3972**	**Not Reported** **28601 13TH AVE S** **Des Moines, WA**		**WAI201600214972** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	326184	
	Tax Parcel ID:	7203000785	
	Year Built:	1969	
	Registry Status:	Not Determined	
FX1494 **NNE** **1/2-1 mi** **3972**	**Not Reported** **2100 S 287TH PL** **Federal Way, WA**		**WAI201600129806** **WA HPI**
	Historic ID:	394784	
	Tax Parcel ID:	4222000120	
	Year Built:	1967	
	Registry Status:	Not Determined	
GK1495 **NE** **1/2-1 mi** **3976**	**Not Reported** **2243 S 287TH ST** **Federal Way, WA**		**WAI201600361063** **WA HPI**
	Historic ID:	327961	
	Tax Parcel ID:	0271200070	
	Year Built:	1968	
	Registry Status:	Not Determined	
FP1496 **SSE** **1/2-1 mi** **3982**	**Not Reported** **30838 20TH AVE S** **Federal Way, WA**		**WAI201600351901** **WA HPI**
	Historic ID:	307874	
	Tax Parcel ID:	0537000613	
	Year Built:	1942	
	Registry Status:	Not Determined	
GJ1497 **ESE** **1/2-1 mi** **3983**	**Not Reported** **30245 27TH AVE S** **Federal Way, WA**		**WAI201600209218** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 310250 Tax Parcel ID: 7984800150 Year Built: 1966 Registry Status: Not Determined	
GN1498 **ESE** **1/2-1 mi** **3985**	**Not Reported** **30002 28TH AVE S** **Federal Way, WA**	**WAI201600495184** **WA HPI**
	Historic ID: 310201 Tax Parcel ID: 7985000370 Year Built: 1966 Registry Status: Not Determined	
FW1499 **South** **1/2-1 mi** **3987**	**Not Reported** **30916 18TH AVE S** **Federal Way, WA**	**WAI201600130018** **WA HPI**
	Historic ID: 395182 Tax Parcel ID: 7853600096 Year Built: 1954 Registry Status: Not Determined	
FY1500 **ESE** **1/2-1 mi** **3987**	**Not Reported** **2801 S 301ST ST** **Federal Way, WA**	**WAI201600130329** **WA HPI**
	Historic ID: 395772 Tax Parcel ID: 7984900060 Year Built: 1966 Registry Status: Not Determined	
GI1501 **East** **1/2-1 mi** **3988**	**Not Reported** **29811 MILITARY RD** **Federal Way, WA**	**WAI201600129437** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	394043	
	Tax Parcel ID:	6602500020	
	Year Built:	1962	
	Registry Status:	Not Determined	
FU1502 **NNE** **1/2-1 mi** **3988**	**Not Reported** **2226 S 287TH ST** **Federal Way, WA**		**WAI201600354138** **WA HPI**
	Historic ID:	322996	
	Tax Parcel ID:	0271200140	
	Year Built:	1969	
	Registry Status:	Not Determined	
GM1503 **SE** **1/2-1 mi** **3988**	**Not Reported** **2250 S 308TH ST** **Federal Way, WA**		**WAI201600425724** **WA HPI**
	Historic ID:	399418	
	Tax Parcel ID:	0537000180	
	Year Built:	1943	
	Registry Status:	Not Determined	
FU1504 **NNE** **1/2-1 mi** **3989**	**Not Reported** **2129 S 286TH ST** **Federal Way, WA**		**WAI201600211970** **WA HPI**
	Historic ID:	318751	
	Tax Parcel ID:	4222100030	
	Year Built:	1967	
	Registry Status:	Not Determined	
FX1505 **NNE** **1/2-1 mi** **3989**	**Not Reported** **28503 20TH AVE S** **Federal Way, WA**		**WAI201600353150** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	316417	
	Tax Parcel ID:	4222000300	
	Year Built:	1966	
	Registry Status:	Not Determined	
GL1506 **WSW** **1/2-1 mi** **3991**	**Not Reported** **523 S 303RD ST** **Federal Way, WA**		**WAI201600128768** **WA HPI**
	Historic ID:	392723	
	Tax Parcel ID:	0643100120	
	Year Built:	1967	
	Registry Status:	Not Determined	
GL1507 **WSW** **1/2-1 mi** **3993**	**Not Reported** **505 S 302ND ST** **Federal Way, WA**		**WAI201600063521** **WA HPI**
	Historic ID:	312308	
	Tax Parcel ID:	0643000240	
	Year Built:	1962	
	Registry Status:	Not Determined	
FV1508 **WSW** **1/2-1 mi** **3998**	**Not Reported** **605 S 304TH ST** **Federal Way, WA**		**WAI201600425428** **WA HPI**
	Historic ID:	398837	
	Tax Parcel ID:	2329500100	
	Year Built:	1962	
	Registry Status:	Not Determined	
GB1509 **SE** **1/2-1 mi** **3997**	**Not Reported** **2623 S 304TH ST** **Federal Way, WA**		**WAI201600496903** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 315254 Tax Parcel ID: 0921049073 Year Built: 1941 Registry Status: Not Determined	
GO1510 **West** **1/2-1 mi** **4004**	**Not Reported** **29918 4TH AVE S** **Federal Way, WA**	**WAI201600128948** **WA HPI**
	Historic ID: 392996 Tax Parcel ID: 7205350060 Year Built: 1969 Registry Status: Not Determined	
GD1511 **SW** **1/2-1 mi** **4003**	**Not Reported** **627 S 305TH ST** **Federal Way, WA**	**WAI201600065000** **WA HPI**
	Historic ID: 322751 Tax Parcel ID: 1042500130 Year Built: 1960 Registry Status: Not Determined	
GH1512 **SSE** **1/2-1 mi** **4004**	**Not Reported** **30845 20TH AVE S** **Federal Way, WA**	**WAI201600360836** **WA HPI**
	Historic ID: 327541 Tax Parcel ID: 7853600026 Year Built: 1953 Registry Status: Not Determined	
GH1513 **South** **1/2-1 mi** **4004**	**Not Reported** **1818 S 310TH ST** **Federal Way, WA**	**WAI201600498314** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 319615 Tax Parcel ID: 7853600097 Year Built: 1956 Registry Status: Not Determined	
GG1514 **NNE** **1/2-1 mi** **4008**	**Not Reported** **2106 S 286TH ST** **Federal Way, WA**	**WAI201600416546** **WA HPI**
	Historic ID: 392865 Tax Parcel ID: 4222000110 Year Built: 1967 Registry Status: Not Determined	
GN1515 **ESE** **1/2-1 mi** **4011**	**Not Reported** **30014 28TH AVE S** **Federal Way, WA**	**WAI201600497006** **WA HPI**
	Historic ID: 315452 Tax Parcel ID: 7985000380 Year Built: 1966 Registry Status: Not Determined	
GF1516 **SSW** **1/2-1 mi** **4010**	**Not Reported** **30853 14TH AVE S** **Federal Way, WA**	**WAI201600102092** **WA HPI**
	Historic ID: 334073 Tax Parcel ID: 0821049138 Year Built: 1958 Registry Status: Not Determined	
FV1517 **SW** **1/2-1 mi** **4012**	**Not Reported** **614 S 305TH ST** **Federal Way, WA**	**WAI201600129544** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 394243
Tax Parcel ID: 2329500240
Year Built: 1961
Registry Status: Not Determined

FY1518
ESE
1/2-1 mi
4010

Not Reported
30208 27TH AVE S
Federal Way, WA

WAI201600207041
WA HPI

Historic ID: 304400
Tax Parcel ID: 7984800110
Year Built: 1964
Registry Status: Not Determined

FZ1519
SW
1/2-1 mi
4015

Not Reported
822 S 308TH ST
Federal Way, WA

WAI201600209166
WA HPI

Historic ID: 310105
Tax Parcel ID: 1745000210
Year Built: 1932
Registry Status: Not Determined

GJ1520
ESE
1/2-1 mi
4016

Not Reported
30253 27TH AVE S
Federal Way, WA

WAI201600354613
WA HPI

Historic ID: 326982
Tax Parcel ID: 7984800140
Year Built: 1966
Registry Status: Not Determined

FS1521
SW
1/2-1 mi
4024

Not Reported
30626 8TH AVE S
Federal Way, WA

WAI201600497120
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	315664	
	Tax Parcel ID:	0918000060	
	Year Built:	1959	
	Registry Status:	Not Determined	
GH1522 **SSE** **1/2-1 mi** **4023**	**Not Reported** **1826 S 310TH ST** **Federal Way, WA**		**WAI201600130208** **WA HPI**
	Historic ID:	395558	
	Tax Parcel ID:	7853600095	
	Year Built:	1954	
	Registry Status:	Not Determined	
FU1523 **NNE** **1/2-1 mi** **4026**	**Not Reported** **2230 S 287TH ST** **Federal Way, WA**		**WAI201600214262** **WA HPI**
	Historic ID:	324814	
	Tax Parcel ID:	0271200130	
	Year Built:	1969	
	Registry Status:	Not Determined	
GP1524 **SSE** **1/2-1 mi** **4028**	**Not Reported** **30834 20TH AVE S** **Federal Way, WA**		**WAI201600493224** **WA HPI**
	Historic ID:	304712	
	Tax Parcel ID:	0537000610	
	Year Built:	1947	
	Registry Status:	Not Determined	
FU1525 **NNE** **1/2-1 mi** **4027**	**Not Reported** **2137 S 286TH ST** **Federal Way, WA**		**WAI201600354616** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 326985 Tax Parcel ID: 4222100040 Year Built: 1967 Registry Status: Not Determined	
GL1526 **WSW** **1/2-1 mi** **4028**	**Not Reported** **30212 5TH AVE S** **Federal Way, WA**	**WAI201600497921** **WA HPI**
	Historic ID: 318841 Tax Parcel ID: 0643100270 Year Built: 1969 Registry Status: Not Determined	
GQ1527 **WSW** **1/2-1 mi** **4031**	**Not Reported** **428 S 302ND ST** **Federal Way, WA**	**WAI201600418819** **WA HPI**
	Historic ID: 397514 Tax Parcel ID: 0643000040 Year Built: 1960 Registry Status: Not Determined	
GN1528 **ESE** **1/2-1 mi** **4031**	**Not Reported** **2804 S 301ST ST** **Federal Way, WA**	**WAI201600214389** **WA HPI**
	Historic ID: 325036 Tax Parcel ID: 7984900190 Year Built: 1966 Registry Status: Not Determined	
GR1529 **ESE** **1/2-1 mi** **4034**	**Not Reported** **30224 27TH AVE S** **Federal Way, WA**	**WAI201600353497** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 317146 Tax Parcel ID: 7984800080 Year Built: 1965 Registry Status: Not Determined	
FX1530 **NNE** **1/2-1 mi** **4035**	**Not Reported** **28504 20TH AVE S** **Federal Way, WA**	**WAI201600063389** **WA HPI**
	Historic ID: 311988 Tax Parcel ID: 4222000260 Year Built: 1967 Registry Status: Not Determined	
GH1531 **SSE** **1/2-1 mi** **4034**	**Not Reported** **1838 S 310TH ST** **Federal Way, WA**	**WAI201600494459** **WA HPI**
	Historic ID: 308803 Tax Parcel ID: 7853600028 Year Built: 1967 Registry Status: Not Determined	
GE1532 **North** **1/2-1 mi** **4037**	**Not Reported** **28426 15TH AVE S** **Federal Way, WA**	**WAI201600416614** **WA HPI**
	Historic ID: 393028 Tax Parcel ID: 7203000095 Year Built: 1965 Registry Status: Not Determined	
GG1533 **NNE** **1/2-1 mi** **4038**	**Not Reported** **2110 S 286TH ST** **Federal Way, WA**	**WAI201600352478** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 312056
Tax Parcel ID: 4222100400
Year Built: 1967
Registry Status: Not Determined

GK1534
NE
1/2-1 mi
4040

Not Reported
2408 S 288TH ST
Federal Way, WA

WAI201600393054
WA HPI

Historic ID: 340980
Tax Parcel ID: 3322049164
Year Built: 1965
Registry Status: Not Determined

GC1535
SSE
1/2-1 mi
4042

Not Reported
30816 22ND AVE S
Federal Way, WA

WAI201600500803
WA HPI

Historic ID: 326215
Tax Parcel ID: 0537000416
Year Built: 1953
Registry Status: Not Determined

GE1536
NNW
1/2-1 mi
4044

Not Reported
28435 14TH AVE S
Federal Way, WA

WAI201600494728
WA HPI

Historic ID: 309263
Tax Parcel ID: 7203000531
Year Built: 1959
Registry Status: Not Determined

GS1537
South
1/2-1 mi
4044

Drew Beaty Family & Cosmetic Dentistry
31003 Pacific Hwy S
Federal Way, WA 98003

WAI201600028638
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 673603 Tax Parcel ID: 0821049245 Year Built: 1954 Registry Status: Determined Not Eligible	
GN1538 **East** **1/2-1 mi** **4046**	**Not Reported** **29921 MILITARY RD** **Federal Way, WA**	**WAI201600128549** **WA HPI**
	Historic ID: 392225 Tax Parcel ID: 7263200015 Year Built: 1969 Registry Status: Not Determined	
GC1539 **SSE** **1/2-1 mi** **4049**	**Not Reported** **2207 S 308TH ST** **Federal Way, WA**	**WAI201600215415** **WA HPI**
	Historic ID: 328607 Tax Parcel ID: 0537000420 Year Built: 1954 Registry Status: Not Determined	
FX1540 **NNE** **1/2-1 mi** **4053**	**Not Reported** **2013 S 285TH ST** **Federal Way, WA**	**WAI201600495035** **WA HPI**
	Historic ID: 309957 Tax Parcel ID: 4222100240 Year Built: 1967 Registry Status: Not Determined	
GJ1541 **ESE** **1/2-1 mi** **4052**	**Not Reported** **30261 27TH AVE S** **Federal Way, WA**	**WAI201600495433** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 310739 Tax Parcel ID: 7984800130 Year Built: 1966 Registry Status: Not Determined	
GN1542 **East** **1/2-1 mi** **4052**	**Not Reported** **2815 S 299TH PL** **Federal Way, WA**	**WAI201600418041** **WA HPI**
	Historic ID: 395881 Tax Parcel ID: 6602500080 Year Built: 1962 Registry Status: Not Determined	
GN1543 **East** **1/2-1 mi** **4053**	**29921 Military Rd S** **29921 Military Rd S** **Federal Way, WA 98003**	**WAI201600182546** **WA HPI**
	Historic ID: 675389 Tax Parcel ID: 7263200015 Year Built: 1969 Registry Status: Determined Not Eligible	
GR1544 **ESE** **1/2-1 mi** **4053**	**Not Reported** **30212 27TH AVE S** **Federal Way, WA**	**WAI201600499539** **WA HPI**
	Historic ID: 323607 Tax Parcel ID: 7984800100 Year Built: 1964 Registry Status: Not Determined	
GK1545 **NE** **1/2-1 mi** **4055**	**Not Reported** **2249 S 287TH ST** **Federal Way, WA**	**WAI201600131447** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	398007	
	Tax Parcel ID:	0271200080	
	Year Built:	1968	
	Registry Status:	Not Determined	
GL1546 **WSW** **1/2-1 mi** **4057**	**Not Reported** **450 S 304TH ST** **Federal Way, WA**		**WAI201600208334** **WA HPI**
	Historic ID:	308518	
	Tax Parcel ID:	0643100150	
	Year Built:	1967	
	Registry Status:	Not Determined	
GL1547 **WSW** **1/2-1 mi** **4058**	**Not Reported** **506 S 303RD ST** **Federal Way, WA**		**WAI201600210567** **WA HPI**
	Historic ID:	314426	
	Tax Parcel ID:	0643100260	
	Year Built:	1967	
	Registry Status:	Not Determined	
GI1548 **East** **1/2-1 mi** **4057**	**Not Reported** **2816 S 299TH PL** **Federal Way, WA**		**WAI201600128987** **WA HPI**
	Historic ID:	393128	
	Tax Parcel ID:	6602500030	
	Year Built:	1962	
	Registry Status:	Not Determined	
GC1549 **SSE** **1/2-1 mi** **4058**	**Not Reported** **30823 22ND AVE S** **Federal Way, WA**		**WAI201600208217** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	306703	
	Tax Parcel ID:	0537000550	
	Year Built:	1959	
	Registry Status:	Not Determined	
FX1550 **NNE** **1/2-1 mi** **4058**	**Not Reported** **28443 20TH AVE S** **Federal Way, WA**		**WAI201600130738** **WA HPI**
	Historic ID:	396554	
	Tax Parcel ID:	4222000290	
	Year Built:	1966	
	Registry Status:	Not Determined	
FY1551 **ESE** **1/2-1 mi** **4058**	**Not Reported** **2805 S 301ST ST** **Federal Way, WA**		**WAI201600138513** **WA HPI**
	Historic ID:	399923	
	Tax Parcel ID:	7984900050	
	Year Built:	1966	
	Registry Status:	Not Determined	
GT1552 **WSW** **1/2-1 mi** **4060**	**Not Reported** **459 S 304TH ST** **Federal Way, WA**		**WAI201600208147** **WA HPI**
	Historic ID:	306631	
	Tax Parcel ID:	2329500090	
	Year Built:	1962	
	Registry Status:	Not Determined	
GD1553 **SW** **1/2-1 mi** **4062**	**Not Reported** **619 S 305TH ST** **Federal Way, WA**		**WAI201600493451** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

Historic ID: 305227
Tax Parcel ID: 1042500120
Year Built: 1960
Registry Status: Not Determined

GK1554
NE
1/2-1 mi
4063

Not Reported
2236 S 287TH ST
Federal Way, WA

WAI201600416132
WA HPI

Historic ID: 392071
Tax Parcel ID: 0271200120
Year Built: 1969
Registry Status: Not Determined

GP1555
SSE
1/2-1 mi
4065

Not Reported
30846 20TH AVE S
Federal Way, WA

WAI201600492993
WA HPI

Historic ID: 304290
Tax Parcel ID: 0537000606
Year Built: 1958
Registry Status: Not Determined

GS1556
South
1/2-1 mi
4066

Medical Office, Family Dental Clinic
31003 Pacific Hwy S
Federal Way, WA 98003

WAI201600187690
WA HPI

Historic ID: 85094
Tax Parcel ID: 0821049245
Year Built: 1954
Registry Status: Determined Not Eligible, Not Determined

GJ1557
ESE
1/2-1 mi
4066

Not Reported
2633 S 304TH ST
Federal Way, WA

WAI201600063838
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	312905	
	Tax Parcel ID:	0921049064	
	Year Built:	1941	
	Registry Status:	Not Determined	
FZ1558 **SW** **1/2-1 mi** **4068**	**Not Reported** **814 S 308TH ST** **Federal Way, WA**		**WAI201600128958** **WA HPI**
	Historic ID:	393099	
	Tax Parcel ID:	0821049152	
	Year Built:	1930	
	Registry Status:	Not Determined	
GG1559 **NNE** **1/2-1 mi** **4068**	**Not Reported** **2116 S 286TH ST** **Federal Way, WA**		**WAI201600496276** **WA HPI**
	Historic ID:	313957	
	Tax Parcel ID:	4222100390	
	Year Built:	1967	
	Registry Status:	Not Determined	
GN1560 **East** **1/2-1 mi** **4068**	**Not Reported** **29929 MILITARY RD** **Federal Way, WA**		**WAI201600062679** **WA HPI**
	Historic ID:	307589	
	Tax Parcel ID:	7263200020	
	Year Built:	1946	
	Registry Status:	Not Determined	
GR1561 **ESE** **1/2-1 mi** **4070**	**Not Reported** **30230 27TH AVE S** **Federal Way, WA**		**WAI201600064150** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	316517	
	Tax Parcel ID:	7984800070	
	Year Built:	1964	
	Registry Status:	Not Determined	
FU1562 **NNE** **1/2-1 mi** **4071**	**Not Reported** **2145 S 286TH ST** **Federal Way, WA**		**WAI201600315534** **WA HPI**
	Historic ID:	390940	
	Tax Parcel ID:	4222100050	
	Year Built:	1967	
	Registry Status:	Not Determined	
FV1563 **SW** **1/2-1 mi** **4074**	**Not Reported** **604 S 305TH ST** **Federal Way, WA**		**WAI201600498253** **WA HPI**
	Historic ID:	319459	
	Tax Parcel ID:	2329500250	
	Year Built:	1969	
	Registry Status:	Not Determined	
GN1564 **East** **1/2-1 mi** **4074**	**29929 Military Rd S** **29929 Military Rd S** **Federal Way, WA 98003**		**WAI201600182547** **WA HPI**
	Historic ID:	675390	
	Tax Parcel ID:	7263200020	
	Year Built:	1946	
	Registry Status:	Determined Not Eligible	
GU1565 **WSW** **1/2-1 mi** **4076**	**Not Reported** **29954 4TH AVE S** **Federal Way, WA**		**WAI201600065060** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	322904	
	Tax Parcel ID:	7205350010	
	Year Built:	1969	
	Registry Status:	Not Determined	
GV1566 **SW** **1/2-1 mi** **4078**	**Not Reported** **30634 8TH AVE S** **Federal Way, WA**		**WAI201600212356** **WA HPI**
	Historic ID:	319511	
	Tax Parcel ID:	0918000065	
	Year Built:	1959	
	Registry Status:	Not Determined	
GG1567 **NNE** **1/2-1 mi** **4082**	**Not Reported** **2019 S 285TH ST** **Federal Way, WA**		**WAI201600138000** **WA HPI**
	Historic ID:	398945	
	Tax Parcel ID:	4222100250	
	Year Built:	1967	
	Registry Status:	Not Determined	
GL1568 **WSW** **1/2-1 mi** **4082**	**Not Reported** **509 S 303RD ST** **Federal Way, WA**		**WAI201600062281** **WA HPI**
	Historic ID:	303888	
	Tax Parcel ID:	0643100110	
	Year Built:	1967	
	Registry Status:	Not Determined	
GC1569 **SSE** **1/2-1 mi** **4083**	**Not Reported** **30825 22ND AVE S** **Federal Way, WA**		**WAI201600351645** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	307330	
	Tax Parcel ID:	0537000560	
	Year Built:	1959	
	Registry Status:	Not Determined	
GR1570 **ESE** **1/2-1 mi** **4085**	**Not Reported** **30218 27TH AVE S** **Federal Way, WA**		**WAI201600063636** **WA HPI**
	Historic ID:	312516	
	Tax Parcel ID:	7984800090	
	Year Built:	1965	
	Registry Status:	Not Determined	
GN1571 **ESE** **1/2-1 mi** **4093**	**Not Reported** **30005 28TH PL S** **Federal Way, WA**		**WAI201600315385** **WA HPI**
	Historic ID:	390696	
	Tax Parcel ID:	7984900210	
	Year Built:	1966	
	Registry Status:	Not Determined	
GN1572 **East** **1/2-1 mi** **4093**	**Not Reported** **2819 S 299th St** **,**		**WAI201600211033** **WA HPI**
	Historic ID:	315361	
	Tax Parcel ID:	6602500090	
	Year Built:	1963	
	Registry Status:	Determined Not Eligible	
GH1573 **SSE** **1/2-1 mi** **4098**	**Not Reported** **1858 S 310TH ST** **Federal Way, WA**		**WAI201600498646** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 320329 Tax Parcel ID: 7853600031 Year Built: 1943 Registry Status: Not Determined	
GV1574 **SW** **1/2-1 mi** **4100**	**Not Reported** **810 S 308TH ST** **Federal Way, WA**	**WAI201600214947** **WA HPI**
	Historic ID: 326159 Tax Parcel ID: 0821049162 Year Built: 1943 Registry Status: Not Determined	
GP1575 **SSE** **1/2-1 mi** **4100**	**Not Reported** **30852 20TH AVE S** **Federal Way, WA**	**WAI201600063750** **WA HPI**
	Historic ID: 312724 Tax Parcel ID: 0537000605 Year Built: 1967 Registry Status: Not Determined	
GQ1576 **WSW** **1/2-1 mi** **4103**	**Not Reported** **420 S 302ND ST** **Federal Way, WA**	**WAI201600026035** **WA HPI**
	Historic ID: 391726 Tax Parcel ID: 0643000030 Year Built: 1961 Registry Status: Not Determined	
GG1577 **NNE** **1/2-1 mi** **4103**	**Not Reported** **2124 S 286TH ST** **Federal Way, WA**	**WAI201600129645** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	394437	
	Tax Parcel ID:	4222100380	
	Year Built:	1967	
	Registry Status:	Not Determined	
GE1578 **North** **1/2-1 mi** **4106**	**Not Reported** **28425 14TH AVE S** **Federal Way, WA**		**WAI201600212558** **WA HPI**
	Historic ID:	319900	
	Tax Parcel ID:	7203000528	
	Year Built:	1960	
	Registry Status:	Not Determined	
GU1579 **WSW** **1/2-1 mi** **4108**	**Not Reported** **29960 4TH AVE S** **Federal Way, WA**		**WAI201600129191** **WA HPI**
	Historic ID:	393518	
	Tax Parcel ID:	0521049154	
	Year Built:	1965	
	Registry Status:	Not Determined	
GW1580 **SSE** **1/2-1 mi** **4106**	**Not Reported** **2215 S 308TH ST** **Federal Way, WA**		**WAI201600130458** **WA HPI**
	Historic ID:	395995	
	Tax Parcel ID:	0537000435	
	Year Built:	1949	
	Registry Status:	Not Determined	
GG1581 **NNE** **1/2-1 mi** **4112**	**Not Reported** **2027 S 285TH ST** **Federal Way, WA**		**WAI201600128007** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 389714 Tax Parcel ID: 4222100260 Year Built: 1967 Registry Status: Not Determined	
GK1582 **NNE** **1/2-1 mi** **4113**	**Not Reported** **2151 S 286TH ST** **Federal Way, WA**	**WAI201600494324** **WA HPI**
	Historic ID: 306964 Tax Parcel ID: 4222100060 Year Built: 1967 Registry Status: Not Determined	
GK1583 **NE** **1/2-1 mi** **4118**	**Not Reported** **2242 S 287TH ST** **Federal Way, WA**	**WAI201600130196** **WA HPI**
	Historic ID: 395546 Tax Parcel ID: 0271200110 Year Built: 1968 Registry Status: Not Determined	
GR1584 **ESE** **1/2-1 mi** **4119**	**Not Reported** **30234 27TH AVE S** **Federal Way, WA**	**WAI201600496359** **WA HPI**
	Historic ID: 314135 Tax Parcel ID: 7984800060 Year Built: 1964 Registry Status: Not Determined	
GN1585 **ESE** **1/2-1 mi** **4119**	**Not Reported** **2810 S 301ST ST** **Federal Way, WA**	**WAI201600496411** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	314282	
	Tax Parcel ID:	7984900200	
	Year Built:	1966	
	Registry Status:	Not Determined	
GX1586 **SW** **1/2-1 mi** **4124**	**Not Reported** **611 S 305TH ST** **Federal Way, WA**		**WAI201600213440** **WA HPI**
	Historic ID:	321631	
	Tax Parcel ID:	1042500110	
	Year Built:	1960	
	Registry Status:	Not Determined	
GT1587 **WSW** **1/2-1 mi** **4123**	**Not Reported** **451 S 304TH ST** **Federal Way, WA**		**WAI201600128816** **WA HPI**
	Historic ID:	392771	
	Tax Parcel ID:	2329500080	
	Year Built:	1962	
	Registry Status:	Not Determined	
GY1588 **South** **1/2-1 mi** **4125**	**Not Reported** **31003 18TH AVE S** **Federal Way, WA**		**WAI201600104115** **WA HPI**
	Historic ID:	339556	
	Tax Parcel ID:	7853600156	
	Year Built:	1945	
	Registry Status:	Not Determined	
GZ1589 **WNW** **1/2-1 mi** **4126**	**Not Reported** **29023 7TH PL S** **Federal Way, WA**		**WAI201600417293** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 394372 Tax Parcel ID: 5152700080 Year Built: 1967 Registry Status: Not Determined	
HA1590 **NNE** **1/2-1 mi** **4130**	**Not Reported** **28437 20TH AVE S** **Federal Way, WA**	**WAI201600315432** **WA HPI**
	Historic ID: 390743 Tax Parcel ID: 4222000280 Year Built: 1967 Registry Status: Not Determined	
GK1591 **NE** **1/2-1 mi** **4131**	**Not Reported** **2255 S 287TH ST** **Federal Way, WA**	**WAI201600499821** **WA HPI**
	Historic ID: 324176 Tax Parcel ID: 0271200090 Year Built: 1968 Registry Status: Not Determined	
GN1592 **ESE** **1/2-1 mi** **4130**	**Not Reported** **2811 S 301ST ST** **Federal Way, WA**	**WAI201600129176** **WA HPI**
	Historic ID: 393503 Tax Parcel ID: 7984900040 Year Built: 1966 Registry Status: Not Determined	
GV1593 **SW** **1/2-1 mi** **4135**	**Not Reported** **30642 8TH AVE S** **Federal Way, WA**	**WAI201600352040** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 308110 Tax Parcel ID: 0918000070 Year Built: 1959 Registry Status: Not Determined	
GT1594 **WSW** **1/2-1 mi** **4135**	**Not Reported** **458 S 305TH ST** **Federal Way, WA**	**WAI201600496954** **WA HPI**
	Historic ID: 315305 Tax Parcel ID: 2329500260 Year Built: 1969 Registry Status: Not Determined	
GQ1595 **WSW** **1/2-1 mi** **4135**	**Not Reported** **30102 4TH AVE S** **Federal Way, WA**	**WAI201600209690** **WA HPI**
	Historic ID: 311195 Tax Parcel ID: 0521049155 Year Built: 1966 Registry Status: Not Determined	
GL1596 **WSW** **1/2-1 mi** **4136**	**Not Reported** **440 S 304TH ST** **Federal Way, WA**	**WAI201600494370** **WA HPI**
	Historic ID: 308618 Tax Parcel ID: 0643100160 Year Built: 1967 Registry Status: Not Determined	
GJ1597 **ESE** **1/2-1 mi** **4135**	**Not Reported** **30250 27TH AVE S** **Federal Way, WA**	**WAI201600210307** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 313886 Tax Parcel ID: 7984800030 Year Built: 1964 Registry Status: Not Determined	
GG1598 **NNE** **1/2-1 mi** **4139**	**Not Reported** **2132 S 286TH ST** **Federal Way, WA**	**WAI201600416377** **WA HPI**
	Historic ID: 392506 Tax Parcel ID: 4222100370 Year Built: 1967 Registry Status: Not Determined	
GP1599 **SSE** **1/2-1 mi** **4138**	**Not Reported** **30858 20TH AVE S** **Federal Way, WA**	**WAI201600353884** **WA HPI**
	Historic ID: 322454 Tax Parcel ID: 0537000607 Year Built: 1967 Registry Status: Not Determined	
GG1600 **NNE** **1/2-1 mi** **4139**	**Not Reported** **2103 S 285TH ST** **Federal Way, WA**	**WAI201600494399** **WA HPI**
	Historic ID: 308647 Tax Parcel ID: 4222100270 Year Built: 1967 Registry Status: Not Determined	
HB1601 **North** **1/2-1 mi** **4140**	**Not Reported** **28414 15TH AVE S** **Federal Way, WA**	**WAI201600130649** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 396372 Tax Parcel ID: 7203000110 Year Built: 1965 Registry Status: Not Determined	
GW1602 **SSE** **1/2-1 mi** **4149**	**Not Reported** **2221 S 308TH ST** **Federal Way, WA**	**WAI201600209741** **WA HPI**
	Historic ID: 311247 Tax Parcel ID: 0537000445 Year Built: 1954 Registry Status: Not Determined	
HC1603 **West** **1/2-1 mi** **4152**	**Not Reported** **29712 4TH AVE S** **Federal Way, WA**	**WAI201600493122** **WA HPI**
	Historic ID: 304515 Tax Parcel ID: 6928600580 Year Built: 1966 Registry Status: Not Determined	
GC1604 **SSE** **1/2-1 mi** **4152**	**Not Reported** **30829 22ND AVE S** **Federal Way, WA**	**WAI201600394262** **WA HPI**
	Historic ID: 344930 Tax Parcel ID: 0537000561 Year Built: 1951 Registry Status: Not Determined	
GL1605 **WSW** **1/2-1 mi** **4154**	**Not Reported** **421 S 302ND ST** **Federal Way, WA**	**WAI201600208829** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	309485	
	Tax Parcel ID:	0643000230	
	Year Built:	1961	
	Registry Status:	Not Determined	
GL1606 **WSW** **1/2-1 mi** **4158**	**Not Reported** **505 S 303RD ST** **Federal Way, WA**		**WAI201600425767** **WA HPI**
	Historic ID:	399461	
	Tax Parcel ID:	0643100100	
	Year Built:	1967	
	Registry Status:	Not Determined	
GK1607 **NNE** **1/2-1 mi** **4157**	**Not Reported** **2301 S 286TH ST** **Federal Way, WA**		**WAI201600065214** **WA HPI**
	Historic ID:	323154	
	Tax Parcel ID:	4222100070	
	Year Built:	1968	
	Registry Status:	Not Determined	
GN1608 **ESE** **1/2-1 mi** **4157**	**Not Reported** **30004 28TH PL S** **Federal Way, WA**		**WAI201600417903** **WA HPI**
	Historic ID:	395647	
	Tax Parcel ID:	7984900220	
	Year Built:	1966	
	Registry Status:	Not Determined	
HA1609 **NNE** **1/2-1 mi** **4164**	**Not Reported** **2004 S 285TH ST** **Federal Way, WA**		**WAI201600130344** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 395788 Tax Parcel ID: 4222000270 Year Built: 1967 Registry Status: Not Determined	
GP1610 **SSE** **1/2-1 mi** **4165**	**Not Reported** **30831 22ND AVE S** **Federal Way, WA**	**WAI201600495233** **WA HPI**
	Historic ID: 310346 Tax Parcel ID: 0537000565 Year Built: 1966 Registry Status: Not Determined	
GW1611 **SSE** **1/2-1 mi** **4165**	**Not Reported** **30824 22ND AVE S** **Federal Way, WA**	**WAI201600209889** **WA HPI**
	Historic ID: 313093 Tax Parcel ID: 0537000546 Year Built: 1954 Registry Status: Not Determined	
GK1612 **NE** **1/2-1 mi** **4165**	**Not Reported** **2248 S 287TH ST** **Federal Way, WA**	**WAI201600416048** **WA HPI**
	Historic ID: 390388 Tax Parcel ID: 0271200100 Year Built: 1968 Registry Status: Not Determined	
GR1613 **ESE** **1/2-1 mi** **4164**	**Not Reported** **30240 27TH AVE S** **Federal Way, WA**	**WAI201600500773** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	326089	
	Tax Parcel ID:	7984800050	
	Year Built:	1964	
	Registry Status:	Not Determined	
GP1614 **SSE** **1/2-1 mi** **4170**	**Not Reported** **2004 S 310TH ST** **Federal Way, WA**		**WAI201600128086** **WA HPI**
	Historic ID:	389793	
	Tax Parcel ID:	0537000601	
	Year Built:	1966	
	Registry Status:	Not Determined	
GQ1615 **WSW** **1/2-1 mi** **4172**	**Not Reported** **412 S 302ND ST** **Federal Way, WA**		**WAI201600207696** **WA HPI**
	Historic ID:	305709	
	Tax Parcel ID:	0643000020	
	Year Built:	1961	
	Registry Status:	Not Determined	
GG1616 **NNE** **1/2-1 mi** **4172**	**Not Reported** **2111 S 285TH ST** **Federal Way, WA**		**WAI201600354159** **WA HPI**
	Historic ID:	323019	
	Tax Parcel ID:	4222100280	
	Year Built:	1967	
	Registry Status:	Not Determined	
HD1617 **NNE** **1/2-1 mi** **4174**	**Not Reported** **2138 S 286TH ST** **Federal Way, WA**		**WAI201600417605** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	394969	
	Tax Parcel ID:	4222100360	
	Year Built:	1967	
	Registry Status:	Not Determined	
GZ1618 **WNW** **1/2-1 mi** **4178**	**Not Reported** **29020 7TH PL S** **Federal Way, WA**		**WAI201600208187** **WA HPI**
	Historic ID:	306673	
	Tax Parcel ID:	5152900030	
	Year Built:	1968	
	Registry Status:	Not Determined	
GT1619 **SW** **1/2-1 mi** **4178**	**Not Reported** **603 S 305TH ST** **Federal Way, WA**		**WAI201600417892** **WA HPI**
	Historic ID:	395636	
	Tax Parcel ID:	1042500100	
	Year Built:	1960	
	Registry Status:	Not Determined	
HC1620 **West** **1/2-1 mi** **4181**	**Not Reported** **29745 4TH AVE S** **Federal Way, WA**		**WAI201600352242** **WA HPI**
	Historic ID:	311531	
	Tax Parcel ID:	6928600520	
	Year Built:	1962	
	Registry Status:	Not Determined	
HE1621 **West** **1/2-1 mi** **4184**	**Not Reported** **29751 4TH AVE S** **Federal Way, WA**		**WAI201600063881** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	312948	
	Tax Parcel ID:	6928600510	
	Year Built:	1963	
	Registry Status:	Not Determined	
GT1622 **WSW** **1/2-1 mi** **4187**	**Not Reported** **443 S 304TH ST** **Federal Way, WA**		**WAI201600138098** **WA HPI**
	Historic ID:	399136	
	Tax Parcel ID:	2329500070	
	Year Built:	1962	
	Registry Status:	Not Determined	
GJ1623 **ESE** **1/2-1 mi** **4188**	**Not Reported** **30260 27TH AVE S** **Federal Way, WA**		**WAI201600352301** **WA HPI**
	Historic ID:	311685	
	Tax Parcel ID:	7984800020	
	Year Built:	1964	
	Registry Status:	Not Determined	
GV1624 **SW** **1/2-1 mi** **4190**	**Not Reported** **30650 8TH AVE S** **Federal Way, WA**		**WAI201600128250** **WA HPI**
	Historic ID:	390143	
	Tax Parcel ID:	0918000075	
	Year Built:	1959	
	Registry Status:	Not Determined	
HA1625 **NNE** **1/2-1 mi** **4189**	**Not Reported** **2010 S 285TH ST** **Federal Way, WA**		**WAI201600212580** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	319922	
	Tax Parcel ID:	4222100230	
	Year Built:	1967	
	Registry Status:	Not Determined	
GT1626 **WSW** **1/2-1 mi** **4192**	**Not Reported** **450 S 305TH ST** **Federal Way, WA**		**WAI201600215066** **WA HPI**
	Historic ID:	326374	
	Tax Parcel ID:	2329500270	
	Year Built:	1961	
	Registry Status:	Not Determined	
GP1627 **SSE** **1/2-1 mi** **4193**	**Not Reported** **30833 22ND AVE S** **Federal Way, WA**		**WAI201600129040** **WA HPI**
	Historic ID:	393181	
	Tax Parcel ID:	0537000568	
	Year Built:	1966	
	Registry Status:	Not Determined	
GP1628 **SSE** **1/2-1 mi** **4195**	**Not Reported** **2012 S 310TH ST** **Federal Way, WA**		**WAI201600494512** **WA HPI**
	Historic ID:	308856	
	Tax Parcel ID:	0537000602	
	Year Built:	1966	
	Registry Status:	Not Determined	
GO1629 **West** **1/2-1 mi** **4195**	**Not Reported** **29901 4TH AVE S** **Federal Way, WA**		**WAI201600065276** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 323309 Tax Parcel ID: 6928700070 Year Built: 1963 Registry Status: Not Determined	
GR1630 **ESE** **1/2-1 mi** **4196**	**Not Reported** **30244 27TH AVE S** **Federal Way, WA**	**WAI201600501326** **WA HPI**
	Historic ID: 328729 Tax Parcel ID: 7984800040 Year Built: 1964 Registry Status: Not Determined	
HC1631 **West** **1/2-1 mi** **4201**	**Not Reported** **29739 4TH AVE S** **Federal Way, WA**	**WAI201600063061** **WA HPI**
	Historic ID: 308348 Tax Parcel ID: 6928600530 Year Built: 1962 Registry Status: Not Determined	
GK1632 **NE** **1/2-1 mi** **4200**	**Not Reported** **2307 S 286TH ST** **Federal Way, WA**	**WAI201600418370** **WA HPI**
	Historic ID: 396590 Tax Parcel ID: 4222100080 Year Built: 1967 Registry Status: Not Determined	
HF1633 **ESE** **1/2-1 mi** **4198**	**Not Reported** **2819 S 301ST ST** **Federal Way, WA**	**WAI201600501051** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	328167	
	Tax Parcel ID:	7984900030	
	Year Built:	1965	
	Registry Status:	Not Determined	
GJ1634 **ESE** **1/2-1 mi** **4200**	**Not Reported** **2649 S 304TH ST** **Federal Way, WA**		**WAI201600128577** **WA HPI**
	Historic ID:	392346	
	Tax Parcel ID:	0921049082	
	Year Built:	1941	
	Registry Status:	Not Determined	
HG1635 **SSE** **1/2-1 mi** **4202**	**Not Reported** **1837 S 310TH ST** **Federal Way, WA**		**WAI201600106013** **WA HPI**
	Historic ID:	344827	
	Tax Parcel ID:	7853600035	
	Year Built:	1967	
	Registry Status:	Not Determined	
GG1636 **NNE** **1/2-1 mi** **4204**	**Not Reported** **2117 S 285TH ST** **Federal Way, WA**		**WAI201600064551** **WA HPI**
	Historic ID:	317293	
	Tax Parcel ID:	4222100290	
	Year Built:	1967	
	Registry Status:	Not Determined	
GO1637 **West** **1/2-1 mi** **4204**	**Not Reported** **29909 4TH AVE S** **Federal Way, WA**		**WAI201600211812** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 318406 Tax Parcel ID: 6928700060 Year Built: 1963 Registry Status: Not Determined	
GL1638 **WSW** **1/2-1 mi** **4207**	**Not Reported** **30213 5TH AVE S** **Federal Way, WA**	**WAI201600025869** **WA HPI**
	Historic ID: 391374 Tax Parcel ID: 0643100060 Year Built: 1968 Registry Status: Not Determined	
GL1639 **WSW** **1/2-1 mi** **4209**	**Not Reported** **434 S 304TH ST** **Federal Way, WA**	**WAI201600500600** **WA HPI**
	Historic ID: 325816 Tax Parcel ID: 0643100170 Year Built: 1967 Registry Status: Not Determined	
HD1640 **NNE** **1/2-1 mi** **4208**	**Not Reported** **2146 S 286TH ST** **Federal Way, WA**	**WAI201600501321** **WA HPI**
	Historic ID: 328724 Tax Parcel ID: 4222100350 Year Built: 1967 Registry Status: Not Determined	
HB1641 **North** **1/2-1 mi** **4210**	**Not Reported** **28415 15TH AVE S** **Federal Way, WA**	**WAI201600495050** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 309972 Tax Parcel ID: 7203000445 Year Built: 1933 Registry Status: Not Determined	
GO1642 **West** **1/2-1 mi** **4213**	**Not Reported** **29917 4TH AVE S** **Federal Way, WA**	**WAI201600418795** **WA HPI**
	Historic ID: 397395 Tax Parcel ID: 6928700050 Year Built: 1963 Registry Status: Not Determined	
GY1643 **South** **1/2-1 mi** **4215**	**Not Reported** **1821 S 310TH ST** **Federal Way, WA**	**WAI201600390411** **WA HPI**
	Historic ID: 334168 Tax Parcel ID: 7853600086 Year Built: 1963 Registry Status: Not Determined	
HA1644 **NNE** **1/2-1 mi** **4215**	**Not Reported** **2016 S 285TH ST** **Federal Way, WA**	**WAI201600493460** **WA HPI**
	Historic ID: 305236 Tax Parcel ID: 4222100220 Year Built: 1967 Registry Status: Not Determined	
GP1645 **SSE** **1/2-1 mi** **4219**	**Not Reported** **2020 S 310TH ST** **Federal Way, WA**	**WAI201600130212** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 395562 Tax Parcel ID: 0537000603 Year Built: 1966 Registry Status: Not Determined	
GW1646 **SSE** **1/2-1 mi** **4222**	**Not Reported** **30830 22ND AVE S** **Federal Way, WA**	**WAI201600213720** **WA HPI**
	Historic ID: 323709 Tax Parcel ID: 0537000547 Year Built: 1954 Registry Status: Not Determined	
GP1647 **SSE** **1/2-1 mi** **4223**	**Not Reported** **30835 22ND AVE S** **Federal Way, WA**	**WAI201600129690** **WA HPI**
	Historic ID: 394482 Tax Parcel ID: 0537000567 Year Built: 1966 Registry Status: Not Determined	
GO1648 **West** **1/2-1 mi** **4225**	**Not Reported** **29925 4TH AVE S** **Federal Way, WA**	**WAI201600496156** **WA HPI**
	Historic ID: 313742 Tax Parcel ID: 6928700040 Year Built: 1963 Registry Status: Not Determined	
HC1649 **West** **1/2-1 mi** **4225**	**Not Reported** **29733 4TH AVE S** **Federal Way, WA**	**WAI201600062282** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 303889
Tax Parcel ID: 6928600540
Year Built: 1962
Registry Status: Not Determined

HB1650
North
1/2-1 mi
4226

Not Reported
28412 14TH AVE S
Federal Way, WA

WAI201600071940
WA HPI

Historic ID: 327495
Tax Parcel ID: 7203000515
Year Built: 1965
Registry Status: Not Determined

HG1651
South
1/2-1 mi
4233

Not Reported
1825 S 310TH ST
Federal Way, WA

WAI201600102388
WA HPI

Historic ID: 334648
Tax Parcel ID: 7853600085
Year Built: 1962
Registry Status: Not Determined

1652
ENE
1/2-1 mi
4235

Not Reported
3001 S 288TH ST
Federal Way, WA

WAI201600384203
WA HPI

Historic ID: 333492
Tax Parcel ID: 0421049231
Year Built: 1968
Registry Status: Not Determined

GW1653
SSE
1/2-1 mi
4235

Not Reported
2225 S 308TH ST
Federal Way, WA

WAI201600062868
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 307967
Tax Parcel ID: 0537000451
Year Built: 1960
Registry Status: Not Determined

GQ1654
WSW
1/2-1 mi
4238

Not Reported
413 S 302ND ST
Federal Way, WA

WAI201600352684
WA HPI

Historic ID: 312454
Tax Parcel ID: 0643000220
Year Built: 1960
Registry Status: Not Determined

GT1655
SW
1/2-1 mi
4238

Not Reported
461 S 305TH ST
Federal Way, WA

WAI201600025579
WA HPI

Historic ID: 390805
Tax Parcel ID: 1042500090
Year Built: 1962
Registry Status: Not Determined

GO1656
West
1/2-1 mi
4237

huy pham
29933 4th Ave S
Federal Way, WA 98003

WAI201600011339
WA HPI

Historic ID: 672721
Tax Parcel ID: Not Reported
Year Built: 1963
Registry Status: Determined Not Eligible

GK1657
NE
1/2-1 mi
4238

Not Reported
2313 S 286TH ST
Federal Way, WA

WAI201600498439
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 319836 Tax Parcel ID: 0271200210 Year Built: 1968 Registry Status: Not Determined	
GO1658 **West** **1/2-1 mi** **4241**	**Not Reported** **29933 4TH AVE S** **Federal Way, WA**	**WAI201600416265** **WA HPI**
	Historic ID: 392299 Tax Parcel ID: 6928700030 Year Built: 1963 Registry Status: Not Determined	
GN1659 **ESE** **1/2-1 mi** **4240**	**Not Reported** **30008 28TH PL S** **Federal Way, WA**	**WAI201600210232** **WA HPI**
	Historic ID: 313811 Tax Parcel ID: 7984900230 Year Built: 1966 Registry Status: Not Determined	
HD1660 **NNE** **1/2-1 mi** **4240**	**Not Reported** **2125 S 285TH ST** **Federal Way, WA**	**WAI201600131334** **WA HPI**
	Historic ID: 397801 Tax Parcel ID: 4222100300 Year Built: 1967 Registry Status: Not Determined	
GP1661 **SSE** **1/2-1 mi** **4241**	**Not Reported** **2026 S 310TH ST** **Federal Way, WA**	**WAI201600494186** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	306730	
	Tax Parcel ID:	0537000600	
	Year Built:	1966	
	Registry Status:	Not Determined	
HH1662 **NNE** **1/2-1 mi** **4244**	**Not Reported** **2024 S 285TH ST** **Federal Way, WA**		**WAI201600496297** **WA HPI**
	Historic ID:	313978	
	Tax Parcel ID:	4222100210	
	Year Built:	1967	
	Registry Status:	Not Determined	
GL1663 **WSW** **1/2-1 mi** **4245**	**Not Reported** **30221 5TH AVE S** **Federal Way, WA**		**WAI201600128459** **WA HPI**
	Historic ID:	392042	
	Tax Parcel ID:	0643100070	
	Year Built:	1968	
	Registry Status:	Not Determined	
GL1664 **WSW** **1/2-1 mi** **4246**	**Not Reported** **501 S 303RD ST** **Federal Way, WA**		**WAI201600494631** **WA HPI**
	Historic ID:	309071	
	Tax Parcel ID:	0643100090	
	Year Built:	1967	
	Registry Status:	Not Determined	
GT1665 **WSW** **1/2-1 mi** **4248**	**Not Reported** **435 S 304TH ST** **Federal Way, WA**		**WAI201600025834** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	391246	
	Tax Parcel ID:	2329500060	
	Year Built:	1962	
	Registry Status:	Not Determined	
GQ1666 **WSW** **1/2-1 mi** **4246**	**Not Reported** **404 S 302ND ST** **Federal Way, WA**		**WAI201600213911** **WA HPI**
	Historic ID:	324088	
	Tax Parcel ID:	0643000010	
	Year Built:	1961	
	Registry Status:	Not Determined	
GV1667 **SW** **1/2-1 mi** **4249**	**Not Reported** **30656 8TH AVE S** **Federal Way, WA**		**WAI201600214849** **WA HPI**
	Historic ID:	325967	
	Tax Parcel ID:	0918000080	
	Year Built:	1959	
	Registry Status:	Not Determined	
HD1668 **NNE** **1/2-1 mi** **4249**	**Not Reported** **2152 S 286TH ST** **Federal Way, WA**		**WAI201600209326** **WA HPI**
	Historic ID:	310455	
	Tax Parcel ID:	4222100340	
	Year Built:	1967	
	Registry Status:	Not Determined	
GY1669 **South** **1/2-1 mi** **4250**	**Not Reported** **31008 18TH AVE S** **Federal Way, WA**		**WAI201600102255** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 334422
Tax Parcel ID: 7853600087
Year Built: 1964
Registry Status: Not Determined

GT1670
WSW
1/2-1 mi
4252

Not Reported
446 S 305TH ST
Federal Way, WA

WAI201600063932
WA HPI

Historic ID: 316113
Tax Parcel ID: 2329500280
Year Built: 1969
Registry Status: Not Determined

HI1671
NNW
1/2-1 mi
4253

Not Reported
28411 14TH AVE S
Federal Way, WA

WAI201600499661
WA HPI

Historic ID: 323919
Tax Parcel ID: 7203000535
Year Built: 1968
Registry Status: Not Determined

HJ1672
ESE
1/2-1 mi
4253

Not Reported
2714 S 304TH ST
Federal Way, WA

WAI201600213702
WA HPI

Historic ID: 323691
Tax Parcel ID: 7984800010
Year Built: 1964
Registry Status: Not Determined

HG1673
SSE
1/2-1 mi
4253

Not Reported
31005 20TH AVE S
Federal Way, WA

WAI201600498438
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 319835
Tax Parcel ID: 7853600036
Year Built: 1951
Registry Status: Not Determined

HK1674
SSE
1/2-1 mi
4255

Not Reported
30837 22ND AVE S
Federal Way, WA

WAI201600138352
WA HPI

Historic ID: 399576
Tax Parcel ID: 0537000566
Year Built: 1966
Registry Status: Not Determined

HL1675
SW
1/2-1 mi
4256

Not Reported
825 S 308TH ST
Federal Way, WA

WAI201600212025
WA HPI

Historic ID: 318806
Tax Parcel ID: 9315000010
Year Built: 1962
Registry Status: Not Determined

GO1676
West
1/2-1 mi
4259

Not Reported
29941 4TH AVE S
Federal Way, WA

WAI201600494131
WA HPI

Historic ID: 306578
Tax Parcel ID: 6928700020
Year Built: 1965
Registry Status: Not Determined

GN1677
ESE
1/2-1 mi
4262

30008 28th Pl S
30008 28th Pl S
Federal Way, WA 98003

WAI201600469137
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 675406 Tax Parcel ID: 7984900230 Year Built: 1966 Registry Status: Determined Not Eligible	
GN1678 ESE 1/2-1 mi 4270	**Not Reported 30016 28TH PL S Federal Way, WA**	**WAI201600208361 WA HPI**
	Historic ID: 308547 Tax Parcel ID: 7984900240 Year Built: 1965 Registry Status: Not Determined	
GU1679 WSW 1/2-1 mi 4270	**Not Reported 29949 4TH AVE S Federal Way, WA**	**WAI201600417257 WA HPI**
	Historic ID: 394336 Tax Parcel ID: 6928700010 Year Built: 1963 Registry Status: Not Determined	
HC1680 West 1/2-1 mi 4272	**Not Reported 29725 4TH AVE S Federal Way, WA**	**WAI201600131257 WA HPI**
	Historic ID: 397631 Tax Parcel ID: 6928600550 Year Built: 1962 Registry Status: Not Determined	
HH1681 NNE 1/2-1 mi 4272	**Not Reported 2100 S 285TH ST Federal Way, WA**	**WAI201600354051 WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	322814	
	Tax Parcel ID:	4222100200	
	Year Built:	1967	
	Registry Status:	Not Determined	
GU1682 **WSW** **1/2-1 mi** **4276**	**Not Reported** **322 S 301ST ST** **Federal Way, WA**		**WAI201600130427** **WA HPI**
	Historic ID:	395964	
	Tax Parcel ID:	6928600500	
	Year Built:	1962	
	Registry Status:	Not Determined	
HD1683 **NNE** **1/2-1 mi** **4274**	**Not Reported** **2133 S 285TH ST** **Federal Way, WA**		**WAI201600062424** **WA HPI**
	Historic ID:	307053	
	Tax Parcel ID:	4222100310	
	Year Built:	1967	
	Registry Status:	Not Determined	
GZ1684 **WNW** **1/2-1 mi** **4279**	**Not Reported** **29011 7TH PL S** **Federal Way, WA**		**WAI201600128402** **WA HPI**
	Historic ID:	390481	
	Tax Parcel ID:	5152700090	
	Year Built:	1965	
	Registry Status:	Not Determined	
HM1685 **NE** **1/2-1 mi** **4282**	**Not Reported** **2319 S 286TH ST** **Federal Way, WA**		**WAI201600493219** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 304707 Tax Parcel ID: 0271200200 Year Built: 1969 Registry Status: Not Determined	
HJ1686 **ESE** **1/2-1 mi** **4284**	**Not Reported** **2661 S 304TH ST** **Federal Way, WA**	**WAI201600495990** **WA HPI**
	Historic ID: 313386 Tax Parcel ID: 0921049058 Year Built: 1940 Registry Status: Not Determined	
HN1687 **WSW** **1/2-1 mi** **4287**	**Not Reported** **426 S 304TH ST** **Federal Way, WA**	**WAI201600501300** **WA HPI**
	Historic ID: 328703 Tax Parcel ID: 0643100180 Year Built: 1967 Registry Status: Not Determined	
GW1688 **SSE** **1/2-1 mi** **4286**	**Not Reported** **30840 22ND AVE S** **Federal Way, WA**	**WAI201600500761** **WA HPI**
	Historic ID: 326077 Tax Parcel ID: 0537000545 Year Built: 1955 Registry Status: Not Determined	
HM1689 **NE** **1/2-1 mi** **4287**	**Not Reported** **28623 MILITARY RD S** **Federal Way, WA**	**WAI201600095999** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	333916	
	Tax Parcel ID:	3322049166	
	Year Built:	1968	
	Registry Status:	Not Determined	
GZ1690 **WNW** **1/2-1 mi** **4293**	**Not Reported** **29012 7TH PL S** **Federal Way, WA**		**WAI201600501312** **WA HPI**
	Historic ID:	328715	
	Tax Parcel ID:	5152900040	
	Year Built:	1968	
	Registry Status:	Not Determined	
HN1691 **WSW** **1/2-1 mi** **4299**	**Not Reported** **30225 5TH AVE S** **Federal Way, WA**		**WAI201600498989** **WA HPI**
	Historic ID:	320961	
	Tax Parcel ID:	0643100080	
	Year Built:	1967	
	Registry Status:	Not Determined	
GW1692 **SSE** **1/2-1 mi** **4299**	**Not Reported** **2239 S 308TH ST** **Federal Way, WA**		**WAI201600426311** **WA HPI**
	Historic ID:	400575	
	Tax Parcel ID:	0537000475	
	Year Built:	1943	
	Registry Status:	Not Determined	
HL1693 **SW** **1/2-1 mi** **4300**	**Not Reported** **817 S 308TH ST** **Federal Way, WA**		**WAI201600064538** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 317280 Tax Parcel ID: 9315000020 Year Built: 1963 Registry Status: Not Determined	
GT1694 **SW** **1/2-1 mi** **4300**	**Not Reported** **455 S 305TH ST** **Federal Way, WA**	**WAI201600418023** **WA HPI**
	Historic ID: 395863 Tax Parcel ID: 1042500018 Year Built: 1967 Registry Status: Not Determined	
1695 **SW** **1/2-1 mi** **4300**	**Not Reported** **30525 8TH AVE S** **Federal Way, WA**	**WAI201600016989** **WA HPI**
	Historic ID: 343516 Tax Parcel ID: 0821049005 Year Built: 1965 Registry Status: Not Determined	
HE1696 **West** **1/2-1 mi** **4307**	**Not Reported** **29742 3RD AVE S** **Federal Way, WA**	**WAI201600210162** **WA HPI**
	Historic ID: 313648 Tax Parcel ID: 6928600390 Year Built: 1962 Registry Status: Not Determined	
HH1697 **NNE** **1/2-1 mi** **4306**	**Not Reported** **2108 S 285TH ST** **Federal Way, WA**	**WAI201600128314** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	390300	
	Tax Parcel ID:	4222100190	
	Year Built:	1967	
	Registry Status:	Not Determined	
HI1698 **NNW** **1/2-1 mi** **4307**	**Not Reported** **28401 14TH AVE S** **Federal Way, WA**		**WAI201600207340** **WA HPI**
	Historic ID:	304980	
	Tax Parcel ID:	7203000538	
	Year Built:	1968	
	Registry Status:	Not Determined	
GT1699 **WSW** **1/2-1 mi** **4309**	**Not Reported** **429 S 304TH ST** **Federal Way, WA**		**WAI201600417849** **WA HPI**
	Historic ID:	395498	
	Tax Parcel ID:	2329500050	
	Year Built:	1962	
	Registry Status:	Not Determined	
HE1700 **West** **1/2-1 mi** **4309**	**Not Reported** **29750 3RD AVE S** **Federal Way, WA**		**WAI201600063722** **WA HPI**
	Historic ID:	312695	
	Tax Parcel ID:	6928600400	
	Year Built:	1962	
	Registry Status:	Not Determined	
HB1701 **North** **1/2-1 mi** **4310**	**Not Reported** **28406 14TH AVE S** **Federal Way, WA**		**WAI201600360747** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 327357
Tax Parcel ID: 7203000520
Year Built: 1967
Registry Status: Not Determined

GQ1702
WSW
1/2-1 mi
4312

Not Reported
405 S 302ND ST
Federal Way, WA

WAI201600315746
WA HPI

Historic ID: 391342
Tax Parcel ID: 0643000210
Year Built: 1960
Registry Status: Not Determined

HD1703
NNE
1/2-1 mi
4311

Not Reported
2141 S 285TH ST
Federal Way, WA

WAI201600213165
WA HPI

Historic ID: 321070
Tax Parcel ID: 4222100320
Year Built: 1967
Registry Status: Not Determined

HD1704
NNE
1/2-1 mi
4314

Not Reported
28520 23RD AVE S
Federal Way, WA

WAI201600129052
WA HPI

Historic ID: 393286
Tax Parcel ID: 4222100090
Year Built: 1967
Registry Status: Not Determined

HO1705
NE
1/2-1 mi
4315

Not Reported
28718 MILITARY RD S
Federal Way, WA

WAI201600095766
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 333404 Tax Parcel ID: 5529000230 Year Built: 1969 Registry Status: Not Determined	
HA1706 **NNE** **1/2-1 mi** **4317**	**Not Reported** **2017 S 284TH PL** **Federal Way, WA**	**WAI201600417902** **WA HPI**
	Historic ID: 395646 Tax Parcel ID: 4222200030 Year Built: 1967 Registry Status: Not Determined	
GT1707 **WSW** **1/2-1 mi** **4319**	**Not Reported** **436 S 305TH ST** **Federal Way, WA**	**WAI201600128439** **WA HPI**
	Historic ID: 390518 Tax Parcel ID: 2329500290 Year Built: 1961 Registry Status: Not Determined	
HE1708 **West** **1/2-1 mi** **4320**	**Not Reported** **29900 3RD AVE S** **Federal Way, WA**	**WAI201600213364** **WA HPI**
	Historic ID: 321552 Tax Parcel ID: 6928600410 Year Built: 1962 Registry Status: Not Determined	
GU1709 **WSW** **1/2-1 mi** **4323**	**Not Reported** **30105 4TH AVE S** **Federal Way, WA**	**WAI201600063557** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	312344	
	Tax Parcel ID:	6928600010	
	Year Built:	1963	
	Registry Status:	Not Determined	
HC1710 **West** **1/2-1 mi** **4326**	**Not Reported** **29734 3RD AVE S** **Federal Way, WA**		**WAI201600417789** **WA HPI**
	Historic ID:	395343	
	Tax Parcel ID:	6928600380	
	Year Built:	1962	
	Registry Status:	Not Determined	
HG1711 **SSE** **1/2-1 mi** **4326**	**Not Reported** **31013 20TH AVE S** **Federal Way, WA**		**WAI201600499412** **WA HPI**
	Historic ID:	321866	
	Tax Parcel ID:	7853600040	
	Year Built:	1947	
	Registry Status:	Not Determined	
1712 **WSW** **1/2-1 mi** **4327**	**Not Reported** **30216 4TH AVE S** **Federal Way, WA**		**WAI201600497162** **WA HPI**
	Historic ID:	315801	
	Tax Parcel ID:	0643100050	
	Year Built:	1968	
	Registry Status:	Not Determined	
HE1713 **West** **1/2-1 mi** **4328**	**Not Reported** **29908 3RD AVE S** **Federal Way, WA**		**WAI201600213866** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	324043	
	Tax Parcel ID:	6928600420	
	Year Built:	1962	
	Registry Status:	Not Determined	
HD1714 **NNE** **1/2-1 mi** **4334**	**Not Reported** **2114 S 285TH ST** **Federal Way, WA**		**WAI201600063196** **WA HPI**
	Historic ID:	311605	
	Tax Parcel ID:	4222100180	
	Year Built:	1967	
	Registry Status:	Not Determined	
HC1715 **West** **1/2-1 mi** **4336**	**Not Reported** **29715 4TH AVE S** **Federal Way, WA**		**WAI201600498347** **WA HPI**
	Historic ID:	319648	
	Tax Parcel ID:	6928600560	
	Year Built:	1962	
	Registry Status:	Not Determined	
HE1716 **West** **1/2-1 mi** **4341**	**Not Reported** **29916 3RD AVE S** **Federal Way, WA**		**WAI201600209379** **WA HPI**
	Historic ID:	310601	
	Tax Parcel ID:	6928600430	
	Year Built:	1962	
	Registry Status:	Not Determined	
HH1717 **NNE** **1/2-1 mi** **4342**	**Not Reported** **2201 S 284TH PL** **Federal Way, WA**		**WAI201600497837** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	318661	
	Tax Parcel ID:	4222200040	
	Year Built:	1968	
	Registry Status:	Not Determined	
HJ1718 **ESE** **1/2-1 mi** **4344**	**Not Reported** **30415 28TH AVE S** **Federal Way, WA**		**WAI201600352750** **WA HPI**
	Historic ID:	312615	
	Tax Parcel ID:	0921049070	
	Year Built:	1956	
	Registry Status:	Not Determined	
HL1719 **SW** **1/2-1 mi** **4345**	**Not Reported** **809 S 308TH ST** **Federal Way, WA**		**WAI201600496788** **WA HPI**
	Historic ID:	315043	
	Tax Parcel ID:	9315000030	
	Year Built:	1963	
	Registry Status:	Not Determined	
HC1720 **West** **1/2-1 mi** **4346**	**Not Reported** **319 S 297TH ST** **Federal Way, WA**		**WAI201600129313** **WA HPI**
	Historic ID:	393733	
	Tax Parcel ID:	6928600570	
	Year Built:	1962	
	Registry Status:	Not Determined	
HD1721 **NNE** **1/2-1 mi** **4349**	**Not Reported** **2147 S 285TH ST** **Federal Way, WA**		**WAI201600497335** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	317678	
	Tax Parcel ID:	4222100330	
	Year Built:	1967	
	Registry Status:	Not Determined	
HE1722 **West** **1/2-1 mi** **4352**	**Not Reported** **29924 3RD AVE S** **Federal Way, WA**		**WAI201600353001** **WA HPI**
	Historic ID:	316078	
	Tax Parcel ID:	6928600440	
	Year Built:	1962	
	Registry Status:	Not Determined	
GU1723 **WSW** **1/2-1 mi** **4354**	**Not Reported** **314 S 301ST ST** **Federal Way, WA**		**WAI201600130646** **WA HPI**
	Historic ID:	396369	
	Tax Parcel ID:	6928600490	
	Year Built:	1962	
	Registry Status:	Not Determined	
HF1724 **ESE** **1/2-1 mi** **4355**	**Not Reported** **2831 S 301ST ST** **Federal Way, WA**		**WAI201600493590** **WA HPI**
	Historic ID:	305461	
	Tax Parcel ID:	7984900010	
	Year Built:	1965	
	Registry Status:	Not Determined	
HL1725 **SSW** **1/2-1 mi** **4357**	**Not Reported** **841 S 308TH ST** **Federal Way, WA**		**WAI201600391913** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	338697	
	Tax Parcel ID:	0821049148	
	Year Built:	1963	
	Registry Status:	Not Determined	
HL1726 **SW** **1/2-1 mi** **4358**	**Not Reported** **820 S 309TH ST** **Federal Way, WA**		**WAI201600214697** **WA HPI**
	Historic ID:	325717	
	Tax Parcel ID:	9315000070	
	Year Built:	1965	
	Registry Status:	Not Determined	
HJ1727 **ESE** **1/2-1 mi** **4357**	**Not Reported** **2802 S 304TH ST** **Federal Way, WA**		**WAI201600138816** **WA HPI**
	Historic ID:	400505	
	Tax Parcel ID:	0421049116	
	Year Built:	1956	
	Registry Status:	Not Determined	
GX1728 **SW** **1/2-1 mi** **4361**	**Not Reported** **447 S 305TH ST** **Federal Way, WA**		**WAI201600072174** **WA HPI**
	Historic ID:	328011	
	Tax Parcel ID:	1042500017	
	Year Built:	1967	
	Registry Status:	Not Determined	
HN1729 **WSW** **1/2-1 mi** **4359**	**Not Reported** **30222 4TH AVE S** **Federal Way, WA**		**WAI201600352964** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	316041	
	Tax Parcel ID:	0643100040	
	Year Built:	1969	
	Registry Status:	Not Determined	
HP1730 **West** **1/2-1 mi** **4364**	**Not Reported** **29932 3RD AVE S** **Federal Way, WA**		**WAI201600415882** **WA HPI**
	Historic ID:	390032	
	Tax Parcel ID:	6928600450	
	Year Built:	1962	
	Registry Status:	Not Determined	
HN1731 **WSW** **1/2-1 mi** **4362**	**Not Reported** **416 S 304TH ST** **Federal Way, WA**		**WAI201600207409** **WA HPI**
	Historic ID:	305143	
	Tax Parcel ID:	0643100190	
	Year Built:	1967	
	Registry Status:	Not Determined	
HI1732 **NNW** **1/2-1 mi** **4363**	**Not Reported** **1235 S 284TH ST** **Federal Way, WA**		**WAI201600498861** **WA HPI**
	Historic ID:	320738	
	Tax Parcel ID:	7203000885	
	Year Built:	1932	
	Registry Status:	Not Determined	
HQ1733 **SSE** **1/2-1 mi** **4362**	**Not Reported** **2247 S 308TH ST** **Federal Way, WA**		**WAI201600214749** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 325769 Tax Parcel ID: 0537000485 Year Built: 1941 Registry Status: Not Determined	
GW1734 **SSE** **1/2-1 mi** **4365**	**Not Reported** **30848 22ND AVE S** **Federal Way, WA**	**WAI201600419124** **WA HPI**
	Historic ID: 398104 Tax Parcel ID: 0537000540 Year Built: 1947 Registry Status: Not Determined	
HD1735 **NNE** **1/2-1 mi** **4366**	**Not Reported** **2122 S 285TH ST** **Federal Way, WA**	**WAI201600360794** **WA HPI**
	Historic ID: 327404 Tax Parcel ID: 4222100170 Year Built: 1967 Registry Status: Not Determined	
HM1736 **NE** **1/2-1 mi** **4368**	**Not Reported** **28527 24TH AVE S** **Federal Way, WA**	**WAI201600138855** **WA HPI**
	Historic ID: 400637 Tax Parcel ID: 0271200220 Year Built: 1968 Registry Status: Not Determined	
HC1737 **West** **1/2-1 mi** **4372**	**Not Reported** **29726 3RD AVE S** **Federal Way, WA**	**WAI201600501297** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 328700
Tax Parcel ID: 6928600370
Year Built: 1962
Registry Status: Not Determined

HH1738
NNE
1/2-1 mi
4371

Not Reported
2207 S 284TH PL
Federal Way, WA

WAI201600025737
WA HPI

Historic ID: 391056
Tax Parcel ID: 4222200050
Year Built: 1967
Registry Status: Not Determined

HN1739
WSW
1/2-1 mi
4372

Not Reported
421 S 304TH ST
Federal Way, WA

WAI201600062392
WA HPI

Historic ID: 307021
Tax Parcel ID: 2329500040
Year Built: 1962
Registry Status: Not Determined

HJ1740
ESE
1/2-1 mi
4372

Not Reported
30419 28TH AVE S
Federal Way, WA

WAI201600213813
WA HPI

Historic ID: 323895
Tax Parcel ID: 0921049237
Year Built: 1940
Registry Status: Not Determined

HR1741
North
1/2-1 mi
4376

1560 S 284th St
1560 S 284th St
Federal Way, WA 98003

WAI201600469144
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 675413
Tax Parcel ID: 3222049142
Year Built: 1952
Registry Status: Determined Not Eligible

HD1742
NNE
1/2-1 mi
4380

Not Reported
28514 23RD AVE S
Federal Way, WA

WAI201600496195
WA HPI

Historic ID: 313781
Tax Parcel ID: 4222100100
Year Built: 1967
Registry Status: Not Determined

HP1743
West
1/2-1 mi
4381

Not Reported
30002 3RD AVE S
Federal Way, WA

WAI201600071863
WA HPI

Historic ID: 327325
Tax Parcel ID: 6928600460
Year Built: 1962
Registry Status: Not Determined

GT1744
WSW
1/2-1 mi
4382

Not Reported
430 S 305TH ST
Federal Way, WA

WAI201600213019
WA HPI

Historic ID: 320831
Tax Parcel ID: 2329500300
Year Built: 1967
Registry Status: Not Determined

HI1745
NNW
1/2-1 mi
4383

Not Reported
1227 S 284TH ST
Federal Way, WA

WAI201600210530
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 314389
Tax Parcel ID: 7203000890
Year Built: 1943
Registry Status: Not Determined

HG1746
South
1/2-1 mi
4385

Not Reported
31010 18TH AVE S
Federal Way, WA

WAI201600384240
WA HPI

Historic ID: 333529
Tax Parcel ID: 7853600075
Year Built: 1964
Registry Status: Not Determined

HL1747
SW
1/2-1 mi
4388

Not Reported
30804 8TH AVE S
Federal Way, WA

WAI201600496465
WA HPI

Historic ID: 314337
Tax Parcel ID: 9315000040
Year Built: 1965
Registry Status: Not Determined

HR1748
North
1/2-1 mi
4389

Not Reported
1560 S 284TH ST
Federal Way, WA

WAI201600063219
WA HPI

Historic ID: 311628
Tax Parcel ID: 3222049142
Year Built: 1952
Registry Status: Not Determined

HP1749
WSW
1/2-1 mi
4393

Not Reported
30012 3RD AVE S
Federal Way, WA

WAI201600065088
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	322932	
	Tax Parcel ID:	6928600470	
	Year Built:	1962	
	Registry Status:	Not Determined	
HH1750 **NNE** **1/2-1 mi** **4395**	**Not Reported** **2215 S 284TH PL** **Federal Way, WA**		**WAI201600493654** **WA HPI**
	Historic ID:	305620	
	Tax Parcel ID:	4222200060	
	Year Built:	1967	
	Registry Status:	Not Determined	
HQ1751 **SSE** **1/2-1 mi** **4394**	**Not Reported** **2255 S 308TH ST** **Federal Way, WA**		**WAI201600129477** **WA HPI**
	Historic ID:	394083	
	Tax Parcel ID:	0537000490	
	Year Built:	1940	
	Registry Status:	Not Determined	
HS1752 **WSW** **1/2-1 mi** **4397**	**Not Reported** **315 S 301ST ST** **Federal Way, WA**		**WAI201600063963** **WA HPI**
	Historic ID:	316144	
	Tax Parcel ID:	6928600020	
	Year Built:	1962	
	Registry Status:	Not Determined	
HN1753 **WSW** **1/2-1 mi** **4397**	**Not Reported** **30230 4TH AVE S** **Federal Way, WA**		**WAI201600352679** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 312449
Tax Parcel ID: 0643100030
Year Built: 1968
Registry Status: Not Determined

HD1754
NNE
1/2-1 mi
4398

Not Reported
2130 S 285TH ST
Federal Way, WA

WAI201600128329
WA HPI

Historic ID: 390315
Tax Parcel ID: 4222100160
Year Built: 1967
Registry Status: Not Determined

HT1755
ESE
1/2-1 mi
4400

Not Reported
30221 MILITARY RD
Federal Way, WA

WAI201600419287
WA HPI

Historic ID: 398457
Tax Parcel ID: 7983800130
Year Built: 1959
Registry Status: Not Determined

HL1756
SW
1/2-1 mi
4415

Not Reported
824 S 309TH ST
Federal Way, WA

WAI201600131648
WA HPI

Historic ID: 398394
Tax Parcel ID: 9315000080
Year Built: 1967
Registry Status: Not Determined

HU1757
ESE
1/2-1 mi
4415

Not Reported
30421 28TH AVE S
Federal Way, WA

WAI201600315766
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 391457
Tax Parcel ID: 0921049063
Year Built: 1939
Registry Status: Not Determined

HL1758
SW
1/2-1 mi
4414

Not Reported
812 S 309TH ST
Federal Way, WA

WAI201600214073
WA HPI

Historic ID: 324439
Tax Parcel ID: 9315000060
Year Built: 1965
Registry Status: Not Determined

HV1759
NE
1/2-1 mi
4419

Not Reported
2519 S 288TH ST
Federal Way, WA

WAI201600138065
WA HPI

Historic ID: 399010
Tax Parcel ID: 0421049181
Year Built: 1964
Registry Status: Not Determined

HW1760
SW
1/2-1 mi
4422

Not Reported
441 S 305TH ST
Federal Way, WA

WAI201600499386
WA HPI

Historic ID: 321840
Tax Parcel ID: 1042500016
Year Built: 1967
Registry Status: Not Determined

HG1761
SSE
1/2-1 mi
4422

Not Reported
31021 20TH AVE S
Federal Way, WA

WAI201600418439
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 396659
Tax Parcel ID: 7853600045
Year Built: 1947
Registry Status: Not Determined

HH1762
NNE
1/2-1 mi
4424

Not Reported
2221 S 284TH PL
Federal Way, WA

WAI201600062603
WA HPI

Historic ID: 307420
Tax Parcel ID: 4222200070
Year Built: 1967
Registry Status: Not Determined

GY1763
South
1/2-1 mi
4424

Not Reported
31101 18TH AVE S
Federal Way, WA

WAI201600104105
WA HPI

Historic ID: 339546
Tax Parcel ID: 7853600171
Year Built: 1945
Registry Status: Not Determined

HK1764
SSE
1/2-1 mi
4424

Not Reported
30858 22ND AVE S
Federal Way, WA

WAI201600499164
WA HPI

Historic ID: 321330
Tax Parcel ID: 0537000535
Year Built: 1955
Registry Status: Not Determined

HX1765
SE
1/2-1 mi
4427

Not Reported
30605 28TH AVE S
Federal Way, WA

WAI201600214668
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 325595
Tax Parcel ID: 0921049202
Year Built: 1962
Registry Status: Not Determined

HP1766
WSW
1/2-1 mi
4429

Not Reported
30020 3RD AVE S
Federal Way, WA

WAI201600138870
WA HPI

Historic ID: 400652
Tax Parcel ID: 6928600480
Year Built: 1962
Registry Status: Not Determined

HM1767
NNE
1/2-1 mi
4429

Not Reported
28521 24TH AVE S
Federal Way, WA

WAI201600498915
WA HPI

Historic ID: 320887
Tax Parcel ID: 0271200230
Year Built: 1968
Registry Status: Not Determined

HN1768
WSW
1/2-1 mi
4430

Not Reported
30238 4TH AVE S
Federal Way, WA

WAI201600498558
WA HPI

Historic ID: 320145
Tax Parcel ID: 0643100020
Year Built: 1968
Registry Status: Not Determined

HN1769
WSW
1/2-1 mi
4434

Not Reported
419 S 304TH ST
Federal Way, WA

WAI201600416763
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 393272
Tax Parcel ID: 2329500030
Year Built: 1962
Registry Status: Not Determined

HD1770
NNE
1/2-1 mi
4433

Not Reported
2138 S 285TH ST
Federal Way, WA

WAI201600352836
WA HPI

Historic ID: 312797
Tax Parcel ID: 4222100150
Year Built: 1967
Registry Status: Not Determined

HN1771
WSW
1/2-1 mi
4443

Not Reported
426 S 305TH ST
Federal Way, WA

WAI201600497226
WA HPI

Historic ID: 315865
Tax Parcel ID: 2329500310
Year Built: 1965
Registry Status: Not Determined

HH1772
NNE
1/2-1 mi
4447

Not Reported
28421 22ND AVE S
Federal Way, WA

WAI201600417042
WA HPI

Historic ID: 393836
Tax Parcel ID: 4222200570
Year Built: 1968
Registry Status: Not Determined

HC1773
West
1/2-1 mi
4455

Not Reported
29718 3RD AVE S
Federal Way, WA

WAI201600499791
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 324146
Tax Parcel ID: 6928600360
Year Built: 1962
Registry Status: Not Determined

HJ1774
ESE
1/2-1 mi
4455

Not Reported
30406 28TH AVE S
Federal Way, WA

WAI201600416541
WA HPI

Historic ID: 392860
Tax Parcel ID: 0921049236
Year Built: 1944
Registry Status: Not Determined

HH1775
NNE
1/2-1 mi
4456

Not Reported
2227 S 284TH PL
Federal Way, WA

WAI201600212009
WA HPI

Historic ID: 318790
Tax Parcel ID: 4222200080
Year Built: 1967
Registry Status: Not Determined

HN1776
WSW
1/2-1 mi
4460

Not Reported
406 S 304TH ST
Federal Way, WA

WAI201600495849
WA HPI

Historic ID: 313147
Tax Parcel ID: 0643100010
Year Built: 1967
Registry Status: Not Determined

HD1777
NNE
1/2-1 mi
4463

Not Reported
28504 23RD AVE S
Federal Way, WA

WAI201600498840
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 320717 Tax Parcel ID: 4222100110 Year Built: 1967 Registry Status: Not Determined	
HS1778 **WSW** **1/2-1 mi** **4468**	**Not Reported** **307 S 301ST ST** **Federal Way, WA**	**WAI201600493409** **WA HPI**
	Historic ID: 305090 Tax Parcel ID: 6928600030 Year Built: 1962 Registry Status: Not Determined	
HO1779 **NE** **1/2-1 mi** **4467**	**Not Reported** **28642 25TH PL S** **Federal Way, WA**	**WAI201600106017** **WA HPI**
	Historic ID: 344831 Tax Parcel ID: 5529000190 Year Built: 1968 Registry Status: Not Determined	
HC1780 **West** **1/2-1 mi** **4471**	**Not Reported** **29712 3RD AVE S** **Federal Way, WA**	**WAI201600025546** **WA HPI**
	Historic ID: 390679 Tax Parcel ID: 6928600350 Year Built: 1962 Registry Status: Not Determined	
HD1781 **NNE** **1/2-1 mi** **4472**	**Not Reported** **2144 S 285TH ST** **Federal Way, WA**	**WAI201600026061** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 391752 Tax Parcel ID: 4222100140 Year Built: 1967 Registry Status: Not Determined	
HL1782 **SW** **1/2-1 mi** **4474**	**Not Reported** **30816 8TH AVE S** **Federal Way, WA**	**WAI201600496452** **WA HPI**
	Historic ID: 314324 Tax Parcel ID: 9315000050 Year Built: 1965 Registry Status: Not Determined	
HC1783 **West** **1/2-1 mi** **4475**	**Not Reported** **305 S 297TH ST** **Federal Way, WA**	**WAI201600137992** **WA HPI**
	Historic ID: 398937 Tax Parcel ID: 6928600340 Year Built: 1962 Registry Status: Not Determined	
HY1784 **SSE** **1/2-1 mi** **4474**	**Not Reported** **31021 22ND AVE S** **Federal Way, WA**	**WAI201600063870** **WA HPI**
	Historic ID: 312937 Tax Parcel ID: 0537000576 Year Built: 1963 Registry Status: Not Determined	
HW1785 **WSW** **1/2-1 mi** **4478**	**Not Reported** **433 S 305TH ST** **Federal Way, WA**	**WAI201600130902** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 396904 Tax Parcel ID: 1042500015 Year Built: 1967 Registry Status: Not Determined	
HZ1786 **NNE** **1/2-1 mi** **4487**	**Not Reported** **2235 S 284TH PL** **Federal Way, WA**	**WAI201600351265** **WA HPI**
	Historic ID: 303732 Tax Parcel ID: 4222200090 Year Built: 1967 Registry Status: Not Determined	
HL1787 **SW** **1/2-1 mi** **4487**	**Not Reported** **821 S 309TH ST** **Federal Way, WA**	**WAI201600211108** **WA HPI**
	Historic ID: 315531 Tax Parcel ID: 9315000090 Year Built: 1965 Registry Status: Not Determined	
HE1788 **West** **1/2-1 mi** **4491**	**Not Reported** **29751 3RD AVE S** **Federal Way, WA**	**WAI201600425653** **WA HPI**
	Historic ID: 399252 Tax Parcel ID: 6928600270 Year Built: 1962 Registry Status: Not Determined	
HU1789 **SE** **1/2-1 mi** **4490**	**Not Reported** **30445 28TH AVE S** **Federal Way, WA**	**WAI201600130726** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 396542 Tax Parcel ID: 0921049184 Year Built: 1969 Registry Status: Not Determined	
IA1790 **ESE** **1/2-1 mi** **4490**	**Not Reported** **30012 MILITARY RD S** **Federal Way, WA**	**WAI201600391947** **WA HPI**
	Historic ID: 338731 Tax Parcel ID: 0421049188 Year Built: 1965 Registry Status: Not Determined	
HM1791 **NNE** **1/2-1 mi** **4492**	**Not Reported** **28513 24TH AVE S** **Federal Way, WA**	**WAI201600417769** **WA HPI**
	Historic ID: 395323 Tax Parcel ID: 0271200240 Year Built: 1968 Registry Status: Not Determined	
HH1792 **NNE** **1/2-1 mi** **4492**	**Not Reported** **28422 22ND AVE S** **Federal Way, WA**	**WAI201600207269** **WA HPI**
	Historic ID: 304816 Tax Parcel ID: 4222200280 Year Built: 1968 Registry Status: Not Determined	
HJ1793 **ESE** **1/2-1 mi** **4492**	**Not Reported** **30414 28TH AVE S** **Federal Way, WA**	**WAI201600211643** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	318050	
	Tax Parcel ID:	0921049091	
	Year Built:	1966	
	Registry Status:	Not Determined	
IB1794 **SW** **1/2-1 mi** **4495**	**Not Reported** **30807 8TH AVE S** **Federal Way, WA**		**WAI201600065464** **WA HPI**
	Historic ID:	326715	
	Tax Parcel ID:	0821049095	
	Year Built:	1952	
	Registry Status:	Not Determined	
HE1795 **West** **1/2-1 mi** **4498**	**Not Reported** **29759 3RD AVE S** **Federal Way, WA**		**WAI201600209391** **WA HPI**
	Historic ID:	310613	
	Tax Parcel ID:	6928600260	
	Year Built:	1962	
	Registry Status:	Not Determined	
HN1796 **WSW** **1/2-1 mi** **4500**	**Not Reported** **411 S 304TH ST** **Federal Way, WA**		**WAI201600499191** **WA HPI**
	Historic ID:	321357	
	Tax Parcel ID:	2329500020	
	Year Built:	1962	
	Registry Status:	Not Determined	
HY1797 **SSE** **1/2-1 mi** **4499**	**Not Reported** **31019 22ND AVE S** **Federal Way, WA**		**WAI201600354071** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

Historic ID: 322834
Tax Parcel ID: 0537000577
Year Built: 1963
Registry Status: Not Determined

IA1798
ESE
1/2-1 mi
4498

Church of Christ Federal Way
30012 Military Rd S
Federal Way, WA 98003

WAI201600033970
WA HPI

Historic ID: 674014
Tax Parcel ID: 0421049188
Year Built: 1965
Registry Status: Determined Not Eligible

HN1799
WSW
1/2-1 mi
4501

Not Reported
418 S 305TH ST
Federal Way, WA

WAI201600212593
WA HPI

Historic ID: 319935
Tax Parcel ID: 2329500320
Year Built: 1962
Registry Status: Not Determined

HP1800
West
1/2-1 mi
4501

Not Reported
29907 3RD AVE S
Federal Way, WA

WAI201600214994
WA HPI

Historic ID: 326302
Tax Parcel ID: 6928600210
Year Built: 1962
Registry Status: Not Determined

HO1801
NE
1/2-1 mi
4512

Not Reported
28636 25TH PL S
Federal Way, WA

WAI201600394265
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 344933
Tax Parcel ID: 5529000180
Year Built: 1968
Registry Status: Not Determined

HX1802
SE
1/2-1 mi
4513

Not Reported
30623 28TH AVE S
Federal Way, WA

WAI201600354479
WA HPI

Historic ID: 326657
Tax Parcel ID: 0921049195
Year Built: 1968
Registry Status: Not Determined

HY1803
SSE
1/2-1 mi
4515

Not Reported
31026 20TH AVE S
Federal Way, WA

WAI201600416693
WA HPI

Historic ID: 393202
Tax Parcel ID: 0537000585
Year Built: 1954
Registry Status: Not Determined

HP1804
West
1/2-1 mi
4519

Not Reported
29915 3RD AVE S
Federal Way, WA

WAI201600065477
WA HPI

Historic ID: 326728
Tax Parcel ID: 6928600200
Year Built: 1967
Registry Status: Not Determined

HG1805
SSE
1/2-1 mi
4519

Not Reported
31033 20TH AVE S
Federal Way, WA

WAI201600353724
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 322104
Tax Parcel ID: 7853600050
Year Built: 1946
Registry Status: Not Determined

HZ1806
NNE
1/2-1 mi
4520

Not Reported
2243 S 284TH PL
Federal Way, WA

WAI201600494086
WA HPI

Historic ID: 306533
Tax Parcel ID: 4222200100
Year Built: 1968
Registry Status: Not Determined

IC1807
South
1/2-1 mi
4520

Not Reported
31105 18TH AVE S
Federal Way, WA

WAI201600415012
WA HPI

Historic ID: 388307
Tax Parcel ID: 7853600176
Year Built: 1957
Registry Status: Not Determined

IC1808
South
1/2-1 mi
4521

31105 18th Ave S
31105 18th Ave S
Federal Way, WA 98003

WAI201600323802
WA HPI

Historic ID: 674305
Tax Parcel ID: 7853600176
Year Built: 1957
Registry Status: Determined Not Eligible

IC1809
South
1/2-1 mi
4523

Not Reported
1634 S 312TH ST
Federal Way, WA

WAI201600105714
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 344247
Tax Parcel ID: 7853600180
Year Built: 1962
Registry Status: Not Determined

HZ1810
NNE
1/2-1 mi
4525

Not Reported
2150 S 285TH ST
Federal Way, WA

WAI201600129128
WA HPI

Historic ID: 393362
Tax Parcel ID: 4222100130
Year Built: 1967
Registry Status: Not Determined

HT1811
ESE
1/2-1 mi
4526

Not Reported
30218 29th Ave S
Federal Way, WA 98003

WAI201600460403
WA HPI

Historic ID: 667931
Tax Parcel ID: 798380-0310
Year Built: 1981
Registry Status: Determined Not Eligible

ID1812
NNE
1/2-1 mi
4527

Not Reported
28417 22ND AVE S
Federal Way, WA

WAI201600496700
WA HPI

Historic ID: 314860
Tax Parcel ID: 4222200560
Year Built: 1968
Registry Status: Not Determined

HH1813
NNE
1/2-1 mi
4529

Not Reported
2210 S 284TH PL
Federal Way, WA

WAI201600351317
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 303784
Tax Parcel ID: 4222200270
Year Built: 1967
Registry Status: Not Determined

IE1814
West
1/2-1 mi
4529

Not Reported
29743 3RD AVE S
Federal Way, WA

WAI201600129008
WA HPI

Historic ID: 393149
Tax Parcel ID: 6928600280
Year Built: 1962
Registry Status: Not Determined

HP1815
West
1/2-1 mi
4530

Not Reported
248 S 300TH ST
Federal Way, WA

WAI201600419142
WA HPI

Historic ID: 398122
Tax Parcel ID: 6928600190
Year Built: 1962
Registry Status: Not Determined

IF1816
NNE
1/2-1 mi
4533

Not Reported
28500 23RD AVE S
Federal Way, WA

WAI201600417302
WA HPI

Historic ID: 394381
Tax Parcel ID: 4222100120
Year Built: 1967
Registry Status: Not Determined

HS1817
WSW
1/2-1 mi
4535

Not Reported
301 S 301ST ST
Federal Way, WA

WAI201600351969
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 307942 Tax Parcel ID: 6928600040 Year Built: 1962 Registry Status: Not Determined	
HV1818 **NE** **1/2-1 mi** **4534**	**Not Reported** **28719 26TH AVE S** **Federal Way, WA**	**WAI201600416515** **WA HPI**
	Historic ID: 392834 Tax Parcel ID: 7466900010 Year Built: 1961 Registry Status: Not Determined	
HW1819 **WSW** **1/2-1 mi** **4540**	**Not Reported** **425 S 305TH ST** **Federal Way, WA**	**WAI201600128612** **WA HPI**
	Historic ID: 392381 Tax Parcel ID: 1042500014 Year Built: 1967 Registry Status: Not Determined	
IA1820 **ESE** **1/2-1 mi** **4542**	**30036 Military Rd S** **30036 Military Rd S** **Federal Way, WA 98003**	**WAI201600033969** **WA HPI**
	Historic ID: 674013 Tax Parcel ID: 0421049232 Year Built: 1955 Registry Status: Determined Not Eligible	
HX1821 **SE** **1/2-1 mi** **4542**	**Not Reported** **30637 28TH AVE S** **Federal Way, WA**	**WAI201600064149** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	316516	
	Tax Parcel ID:	0921049181	
	Year Built:	1962	
	Registry Status:	Not Determined	
HK1822 **SSE** **1/2-1 mi** **4546**	**Not Reported** **31017 22ND AVE S** **Federal Way, WA**		**WAI201600128812** **WA HPI**
	Historic ID:	392767	
	Tax Parcel ID:	0537000575	
	Year Built:	1946	
	Registry Status:	Not Determined	
HH1823 **NNE** **1/2-1 mi** **4548**	**Not Reported** **2218 S 284TH PL** **Federal Way, WA**		**WAI201600351980** **WA HPI**
	Historic ID:	307953	
	Tax Parcel ID:	4222200260	
	Year Built:	1967	
	Registry Status:	Not Determined	
HL1824 **SW** **1/2-1 mi** **4549**	**Not Reported** **811 S 309TH ST** **Federal Way, WA**		**WAI201600062798** **WA HPI**
	Historic ID:	307804	
	Tax Parcel ID:	9315000100	
	Year Built:	1965	
	Registry Status:	Not Determined	
HZ1825 **NNE** **1/2-1 mi** **4549**	**Not Reported** **2303 S 284TH PL** **Federal Way, WA**		**WAI201600213175** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

Historic ID: 321176
Tax Parcel ID: 4222200110
Year Built: 1968
Registry Status: Not Determined

1826
East
1/2-1 mi
4552

Steele Lake Highline Grange
2902 S 298th St
Federal Way, WA 98003

WAI201600033938
WA HPI

Historic ID: 673981
Tax Parcel ID: 0421049077
Year Built: 1970
Registry Status: Determined Not Eligible

IF1827
NNE
1/2-1 mi
4554

Not Reported
28505 24TH AVE S
Federal Way, WA

WAI201600131595
WA HPI

Historic ID: 398248
Tax Parcel ID: 0271200250
Year Built: 1968
Registry Status: Not Determined

HK1828
SSE
1/2-1 mi
4556

Not Reported
31002 22ND AVE S
Federal Way, WA

WAI201600207751
WA HPI

Historic ID: 305766
Tax Parcel ID: 0537000530
Year Built: 1941
Registry Status: Not Determined

IC1829
South
1/2-1 mi
4557

Not Reported
1636 S 312TH ST
Federal Way, WA

WAI201600104847
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 341036
Tax Parcel ID: 7853600182
Year Built: 1969
Registry Status: Not Determined

HO1830
NE
1/2-1 mi
4560

Not Reported
28630 25TH PL S
Federal Way, WA

WAI201600106055
WA HPI

Historic ID: 344962
Tax Parcel ID: 5529000170
Year Built: 1968
Registry Status: Not Determined

HP1831
West
1/2-1 mi
4560

Not Reported
247 S 300TH ST
Federal Way, WA

WAI201600213432
WA HPI

Historic ID: 321623
Tax Parcel ID: 6928600130
Year Built: 1962
Registry Status: Not Determined

HN1832
WSW
1/2-1 mi
4562

Not Reported
405 S 304TH ST
Federal Way, WA

WAI201600417320
WA HPI

Historic ID: 394399
Tax Parcel ID: 2329500010
Year Built: 1962
Registry Status: Not Determined

IG1833
WSW
1/2-1 mi
4565

Not Reported
410 S 305TH ST
Federal Way, WA

WAI201600063740
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 312714 Tax Parcel ID: 2329500330 Year Built: 1963 Registry Status: Not Determined	
IA1834 **ESE** **1/2-1 mi** **4570**	**Not Reported** **30036 MILITARY RD S** **Federal Way, WA**	**WAI201600499692** **WA HPI**
	Historic ID: 323950 Tax Parcel ID: 0421049232 Year Built: 1955 Registry Status: Not Determined	
IH1835 **SSW** **1/2-1 mi** **4574**	**Not Reported** **820 S 309TH PL** **Federal Way, WA**	**WAI201600212546** **WA HPI**
	Historic ID: 319888 Tax Parcel ID: 9315000140 Year Built: 1967 Registry Status: Not Determined	
HP1836 **WSW** **1/2-1 mi** **4576**	**Not Reported** **30011 3RD AVE S** **Federal Way, WA**	**WAI201600064790** **WA HPI**
	Historic ID: 322351 Tax Parcel ID: 6928600120 Year Built: 1962 Registry Status: Not Determined	
HZ1837 **NNE** **1/2-1 mi** **4579**	**Not Reported** **2224 S 284TH PL** **Federal Way, WA**	**WAI201600351609** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 307294
Tax Parcel ID: 4222200250
Year Built: 1967
Registry Status: Not Determined

HV1838
NE
1/2-1 mi
4580

Not Reported
28711 26TH AVE S
Federal Way, WA

WAI201600425997
WA HPI

Historic ID: 399976
Tax Parcel ID: 7466900020
Year Built: 1961
Registry Status: Not Determined

ID1839
NNE
1/2-1 mi
4579

Not Reported
28414 22ND AVE S
Federal Way, WA

WAI201600360885
WA HPI

Historic ID: 327590
Tax Parcel ID: 4222200290
Year Built: 1968
Registry Status: Not Determined

II1840
South
1/2-1 mi
4580

Not Reported
1436 S 312TH ST
Federal Way, WA

WAI201600307003
WA HPI

Historic ID: 343460
Tax Parcel ID: 0821049060
Year Built: 1960
Registry Status: Not Determined

HZ1841
NNE
1/2-1 mi
4582

Not Reported
2311 S 284TH PL
Federal Way, WA

WAI201600495960
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 313356 Tax Parcel ID: 4222200120 Year Built: 1968 Registry Status: Not Determined	
II1842 **South** **1/2-1 mi** **4584**	**Peoples National Bank, US Bank** **1436 S 312th** **Federal Way, WA 98003**	**WAI201600399704** **WA HPI**
	Historic ID: 674320 Tax Parcel ID: 0821049060 Year Built: 1960 Registry Status: Determined Eligible, Not Determined	
IJ1843 **SSE** **1/2-1 mi** **4587**	**Not Reported** **31034 20TH AVE S** **Federal Way, WA**	**WAI201600416898** **WA HPI**
	Historic ID: 393597 Tax Parcel ID: 0537000620 Year Built: 1957 Registry Status: Not Determined	
HP1844 **WSW** **1/2-1 mi** **4594**	**Not Reported** **252 S 301ST ST** **Federal Way, WA**	**WAI201600065064** **WA HPI**
	Historic ID: 322908 Tax Parcel ID: 6928600110 Year Built: 1962 Registry Status: Not Determined	
IK1845 **ESE** **1/2-1 mi** **4598**	**30028 Military Rd S** **30028 Military Rd S** **Federal Way, WA 98003**	**WAI201600033968** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 674012 Tax Parcel ID: 0421049095 Year Built: 1954 Registry Status: Determined Not Eligible	
IB1846 **SW** **1/2-1 mi** **4599**	**Not Reported** **30904 8TH AVE S** **Federal Way, WA**	**WAI201600493836** **WA HPI**
	Historic ID: 305994 Tax Parcel ID: 9315000110 Year Built: 1965 Registry Status: Not Determined	
ID1847 **NNE** **1/2-1 mi** **4601**	**Not Reported** **28413 22ND AVE S** **Federal Way, WA**	**WAI201600072002** **WA HPI**
	Historic ID: 327650 Tax Parcel ID: 4222200550 Year Built: 1968 Registry Status: Not Determined	
IK1848 **ESE** **1/2-1 mi** **4602**	**Not Reported** **30028 MILITARY RD S** **Federal Way, WA**	**WAI201600418546** **WA HPI**
	Historic ID: 396956 Tax Parcel ID: 0421049095 Year Built: 1954 Registry Status: Not Determined	
IL1849 **SE** **1/2-1 mi** **4600**	**Not Reported** **30643 28TH AVE S** **Federal Way, WA**	**WAI201600500012** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 324560
Tax Parcel ID: 0921049229
Year Built: 1963
Registry Status: Not Determined

IC1850
South
1/2-1 mi
4604

Pho Bach Vietnamese Restaurant
1634 S 312th St
Federal Way, WA 98003

WAI201600028641
WA HPI

Historic ID: 673606
Tax Parcel ID: 7853600180
Year Built: 1962
Registry Status: Determined Not Eligible

IM1851
SSE
1/2-1 mi
4603

Not Reported
30845 24TH AVE S
Federal Way, WA

WAI201600064864
WA HPI

Historic ID: 322518
Tax Parcel ID: 0537000500
Year Built: 1967
Registry Status: Not Determined

IE1852
West
1/2-1 mi
4605

Not Reported
29735 3RD AVE S
Federal Way, WA

WAI201600213187
WA HPI

Historic ID: 321188
Tax Parcel ID: 6928600290
Year Built: 1962
Registry Status: Not Determined

HW1853
WSW
1/2-1 mi
4608

Not Reported
419 S 305TH ST
Federal Way, WA

WAI201600494947
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 309770
Tax Parcel ID: 1042500013
Year Built: 1967
Registry Status: Not Determined

HO1854
NE
1/2-1 mi
4606

Not Reported
28624 25TH PL S
Federal Way, WA

WAI201600106057
WA HPI

Historic ID: 344964
Tax Parcel ID: 5529000160
Year Built: 1968
Registry Status: Not Determined

IC1855
South
1/2-1 mi
4609

Garden Korean Restaurant
1636 S 312th St
Federal Way, WA 98003

WAI201600323803
WA HPI

Historic ID: 674306
Tax Parcel ID: 7853600182
Year Built: 1969
Registry Status: Determined Not Eligible

HS1856
WSW
1/2-1 mi
4610

Not Reported
255 S 301ST ST
Federal Way, WA

WAI201600212091
WA HPI

Historic ID: 318966
Tax Parcel ID: 6928600050
Year Built: 1962
Registry Status: Not Determined

HZ1857
NNE
1/2-1 mi
4609

Not Reported
2232 S 284TH PL
Federal Way, WA

WAI201600315709
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 391305 Tax Parcel ID: 4222200240 Year Built: 1967 Registry Status: Not Determined	
IF1858 **NE** **1/2-1 mi** **4612**	**Not Reported** **28515 MILITARY RD S** **Federal Way, WA**	**WAI201600063871** **WA HPI**
	Historic ID: 312938 Tax Parcel ID: 3322049126 Year Built: 1958 Registry Status: Not Determined	
IC1859 **South** **1/2-1 mi** **4615**	**Not Reported** **1748 S 312TH ST** **Federal Way, WA**	**WAI201600104100** **WA HPI**
	Historic ID: 339541 Tax Parcel ID: 7853600181 Year Built: 1943 Registry Status: Not Determined	
HY1860 **SSE** **1/2-1 mi** **4616**	**Not Reported** **31029 22ND AVE S** **Federal Way, WA**	**WAI201600128399** **WA HPI**
	Historic ID: 390478 Tax Parcel ID: 0537000580 Year Built: 1948 Registry Status: Not Determined	
IE1861 **West** **1/2-1 mi** **4619**	**Not Reported** **242 S 299TH ST** **Federal Way, WA**	**WAI201600493263** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 304848 Tax Parcel ID: 6928600250 Year Built: 1962 Registry Status: Not Determined	
IJ1862 **SSE** **1/2-1 mi** **4617**	**Not Reported** **31045 20TH AVE S** **Federal Way, WA**	**WAI201600213308** **WA HPI**
	Historic ID: 321403 Tax Parcel ID: 7853600055 Year Built: 1957 Registry Status: Not Determined	
HZ1863 **NNE** **1/2-1 mi** **4619**	**Not Reported** **2317 S 284TH PL** **Federal Way, WA**	**WAI201600315633** **WA HPI**
	Historic ID: 391134 Tax Parcel ID: 4222200130 Year Built: 1968 Registry Status: Not Determined	
IE1864 **West** **1/2-1 mi** **4621**	**Not Reported** **241 S 299TH ST** **Federal Way, WA**	**WAI201600425374** **WA HPI**
	Historic ID: 398688 Tax Parcel ID: 6928600220 Year Built: 1962 Registry Status: Not Determined	
IF1865 **NNE** **1/2-1 mi** **4627**	**Not Reported** **28501 24TH AVE S** **Federal Way, WA**	**WAI201600063753** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 312727 Tax Parcel ID: 0271200260 Year Built: 1968 Registry Status: Not Determined	
HV1866 **NE** **1/2-1 mi** **4627**	**Not Reported** **28701 26TH AVE S** **Federal Way, WA**	**WAI201600130719** **WA HPI**
	Historic ID: 396535 Tax Parcel ID: 7466900030 Year Built: 1966 Registry Status: Not Determined	
IC1867 **South** **1/2-1 mi** **4628**	**Flowers by Chi** **1748 S 312th St** **Federal Way, WA 98003**	**WAI201600028640** **WA HPI**
	Historic ID: 673605 Tax Parcel ID: 7853600181 Year Built: 1943 Registry Status: Determined Not Eligible	
IH1868 **SSW** **1/2-1 mi** **4628**	**Not Reported** **824 S 309TH PL** **Federal Way, WA**	**WAI201600138532** **WA HPI**
	Historic ID: 399942 Tax Parcel ID: 9315000150 Year Built: 1967 Registry Status: Not Determined	
IH1869 **SW** **1/2-1 mi** **4629**	**Not Reported** **812 S 309TH PL** **Federal Way, WA**	**WAI201600207698** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	305711	
	Tax Parcel ID:	9315000130	
	Year Built:	1967	
	Registry Status:	Not Determined	
IG1870 **WSW** **1/2-1 mi** **4631**	**Not Reported** **404 S 305TH ST** **Federal Way, WA**		**WAI201600354534** **WA HPI**
	Historic ID:	326808	
	Tax Parcel ID:	2329500340	
	Year Built:	1962	
	Registry Status:	Not Determined	
HZ1871 **NNE** **1/2-1 mi** **4635**	**Not Reported** **2240 S 284TH PL** **Federal Way, WA**		**WAI201600131328** **WA HPI**
	Historic ID:	397795	
	Tax Parcel ID:	4222200230	
	Year Built:	1967	
	Registry Status:	Not Determined	
HP1872 **West** **1/2-1 mi** **4640**	**Not Reported** **244 S 300TH ST** **Federal Way, WA**		**WAI201600025873** **WA HPI**
	Historic ID:	391378	
	Tax Parcel ID:	6928600180	
	Year Built:	1962	
	Registry Status:	Not Determined	
IB1873 **SW** **1/2-1 mi** **4642**	**Not Reported** **30835 8TH AVE S** **Federal Way, WA**		**WAI201600130222** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 395572 Tax Parcel ID: 0821049119 Year Built: 1943 Registry Status: Not Determined	
HZ1874 **NNE** **1/2-1 mi** **4642**	**Not Reported** **2209 S 284TH ST** **Federal Way, WA**	**WAI201600207727** **WA HPI**
	Historic ID: 305740 Tax Parcel ID: 4222200310 Year Built: 1968 Registry Status: Not Determined	
IM1875 **SSE** **1/2-1 mi** **4643**	**Not Reported** **31009 24TH AVE S** **Federal Way, WA**	**WAI201600129379** **WA HPI**
	Historic ID: 393892 Tax Parcel ID: 0537000505 Year Built: 1948 Registry Status: Not Determined	
ID1876 **NNE** **1/2-1 mi** **4650**	**Not Reported** **2205 S 284TH ST** **Federal Way, WA**	**WAI201600415583** **WA HPI**
	Historic ID: 389448 Tax Parcel ID: 4222200300 Year Built: 1968 Registry Status: Not Determined	
IC1877 **South** **1/2-1 mi** **4651**	**Not Reported** **1816 S 312TH ST** **Federal Way, WA**	**WAI201600425984** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	399963	
	Tax Parcel ID:	7853600065	
	Year Built:	1957	
	Registry Status:	Not Determined	
IF1878 **NNE** **1/2-1 mi** **4652**	**Not Reported** **2325 S 284TH PL** **Federal Way, WA**		**WAI201600131388** **WA HPI**
	Historic ID:	397855	
	Tax Parcel ID:	4222200140	
	Year Built:	1968	
	Registry Status:	Not Determined	
HO1879 **NE** **1/2-1 mi** **4655**	**Not Reported** **28618 25TH PL S** **Federal Way, WA**		**WAI201600394252** **WA HPI**
	Historic ID:	344920	
	Tax Parcel ID:	5529000150	
	Year Built:	1968	
	Registry Status:	Not Determined	
IN1880 **West** **1/2-1 mi** **4659**	**Not Reported** **29703 3RD AVE S** **Federal Way, WA**		**WAI201600497213** **WA HPI**
	Historic ID:	315852	
	Tax Parcel ID:	6928600330	
	Year Built:	1962	
	Registry Status:	Not Determined	
IE1881 **West** **1/2-1 mi** **4658**	**Not Reported** **29711 3RD AVE S** **Federal Way, WA**		**WAI201600208779** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	309339	
	Tax Parcel ID:	6928600320	
	Year Built:	1962	
	Registry Status:	Not Determined	
IL1882 **SE** **1/2-1 mi** **4663**	**Not Reported** **30803 28TH AVE S** **Federal Way, WA**		**WAI201600209199** **WA HPI**
	Historic ID:	310231	
	Tax Parcel ID:	0921049188	
	Year Built:	1959	
	Registry Status:	Not Determined	
IE1883 **West** **1/2-1 mi** **4665**	**Not Reported** **29719 3RD AVE S** **Federal Way, WA**		**WAI201600497851** **WA HPI**
	Historic ID:	318675	
	Tax Parcel ID:	6928600310	
	Year Built:	1962	
	Registry Status:	Not Determined	
HU1884 **ESE** **1/2-1 mi** **4664**	**Not Reported** **30440 28TH AVE S** **Federal Way, WA**		**WAI201600493940** **WA HPI**
	Historic ID:	306194	
	Tax Parcel ID:	0921049259	
	Year Built:	1943	
	Registry Status:	Not Determined	
HW1885 **WSW** **1/2-1 mi** **4665**	**Not Reported** **411 S 305TH ST** **Federal Way, WA**		**WAI201600499053** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	321120	
	Tax Parcel ID:	1042500012	
	Year Built:	1967	
	Registry Status:	Not Determined	
IO1886 **NE** **1/2-1 mi** **4666**	**Not Reported** **2508 S 286TH PL** **Federal Way, WA**		**WAI201600102581** **WA HPI**
	Historic ID:	335027	
	Tax Parcel ID:	5529000080	
	Year Built:	1969	
	Registry Status:	Not Determined	
ID1887 **NNE** **1/2-1 mi** **4667**	**Not Reported** **28407 22ND AVE S** **Federal Way, WA**		**WAI201600072068** **WA HPI**
	Historic ID:	327812	
	Tax Parcel ID:	4222200540	
	Year Built:	1968	
	Registry Status:	Not Determined	
HT1888 **ESE** **1/2-1 mi** **4668**	**Not Reported** **30052 MILITARY RD S** **Federal Way, WA**		**WAI201600211443** **WA HPI**
	Historic ID:	317660	
	Tax Parcel ID:	0421049144	
	Year Built:	1961	
	Registry Status:	Not Determined	
HZ1889 **NNE** **1/2-1 mi** **4667**	**Not Reported** **2300 S 285TH PL** **Federal Way, WA**		**WAI201600138463** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 399873 Tax Parcel ID: 4222200220 Year Built: 1967 Registry Status: Not Determined	
HT1890 **ESE** **1/2-1 mi** **4670**	**30052 Military Rd S** **30052 Military Rd S** **Federal Way, WA 98003**	**WAI201600033962** **WA HPI**
	Historic ID: 674006 Tax Parcel ID: 0421049144 Year Built: 1961 Registry Status: Determined Not Eligible	
HV1891 **NE** **1/2-1 mi** **4670**	**Not Reported** **28720 26TH AVE S** **Federal Way, WA**	**WAI201600418011** **WA HPI**
	Historic ID: 395851 Tax Parcel ID: 7466900460 Year Built: 1960 Registry Status: Not Determined	
IP1892 **NE** **1/2-1 mi** **4672**	**Not Reported** **28635 26TH AVE S** **Federal Way, WA**	**WAI201600500483** **WA HPI**
	Historic ID: 325509 Tax Parcel ID: 7466900040 Year Built: 1960 Registry Status: Not Determined	
HZ1893 **NNE** **1/2-1 mi** **4672**	**Not Reported** **2213 S 284TH ST** **Federal Way, WA**	**WAI201600130706** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	396522	
	Tax Parcel ID:	4222200320	
	Year Built:	1968	
	Registry Status:	Not Determined	
IG1894 **WSW** **1/2-1 mi** **4675**	**Not Reported** **356 S 304TH PL** **Federal Way, WA**		**WAI201600493400** **WA HPI**
	Historic ID:	305081	
	Tax Parcel ID:	2329600010	
	Year Built:	1962	
	Registry Status:	Not Determined	
IE1895 **West** **1/2-1 mi** **4675**	**Not Reported** **29727 3RD AVE S** **Federal Way, WA**		**WAI201600415914** **WA HPI**
	Historic ID:	390064	
	Tax Parcel ID:	6928600300	
	Year Built:	1962	
	Registry Status:	Not Determined	
IE1896 **West** **1/2-1 mi** **4681**	**Not Reported** **238 S 299TH ST** **Federal Way, WA**		**WAI201600129278** **WA HPI**
	Historic ID:	393698	
	Tax Parcel ID:	6928600240	
	Year Built:	1962	
	Registry Status:	Not Determined	
HP1897 **West** **1/2-1 mi** **4681**	**Not Reported** **245 S 300TH ST** **Federal Way, WA**		**WAI201600495880** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	313178	
	Tax Parcel ID:	6928600140	
	Year Built:	1962	
	Registry Status:	Not Determined	
IJ1898 **SSE** **1/2-1 mi** **4682**	**Not Reported** **31044 20TH AVE S** **Federal Way, WA**		**WAI201600500616** **WA HPI**
	Historic ID:	325837	
	Tax Parcel ID:	0537000622	
	Year Built:	1960	
	Registry Status:	Not Determined	
IH1899 **SW** **1/2-1 mi** **4683**	**Not Reported** **804 S 309TH PL** **Federal Way, WA**		**WAI201600065048** **WA HPI**
	Historic ID:	322892	
	Tax Parcel ID:	9315000120	
	Year Built:	1965	
	Registry Status:	Not Determined	
IQ1900 **South** **1/2-1 mi** **4683**	**Not Reported** **1836 S 312TH ST** **Federal Way, WA**		**WAI201600394255** **WA HPI**
	Historic ID:	344923	
	Tax Parcel ID:	7853600060	
	Year Built:	1967	
	Registry Status:	Not Determined	
HS1901 **WSW** **1/2-1 mi** **4685**	**Not Reported** **247 S 301ST ST** **Federal Way, WA**		**WAI201600418939** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	397729	
	Tax Parcel ID:	6928600060	
	Year Built:	1962	
	Registry Status:	Not Determined	
IF1902 **NNE** **1/2-1 mi** **4690**	**Not Reported** **2333 S 284TH PL** **Federal Way, WA**		**WAI201600419209** **WA HPI**
	Historic ID:	398284	
	Tax Parcel ID:	4222200150	
	Year Built:	1968	
	Registry Status:	Not Determined	
IO1903 **NE** **1/2-1 mi** **4689**	**Not Reported** **2505 S 286TH ST** **Federal Way, WA**		**WAI201600212475** **WA HPI**
	Historic ID:	319723	
	Tax Parcel ID:	5529000060	
	Year Built:	1968	
	Registry Status:	Not Determined	
HT1904 **ESE** **1/2-1 mi** **4691**	**Not Reported** **30064 MILITARY RD S** **Federal Way, WA**		**WAI201600497332** **WA HPI**
	Historic ID:	317580	
	Tax Parcel ID:	0421049075	
	Year Built:	1947	
	Registry Status:	Not Determined	
HT1905 **ESE** **1/2-1 mi** **4694**	**30064 Military Rd S** **30064 Military Rd S** **Federal Way, WA 98003**		**WAI201600033961** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	674005	
	Tax Parcel ID:	0421049075	
	Year Built:	1947	
	Registry Status:	Determined Not Eligible	
IE1906 **West** **1/2-1 mi** **4695**	**Not Reported** **237 S 299TH ST** **Federal Way, WA**		**WAI201600212128** **WA HPI**
	Historic ID:	319096	
	Tax Parcel ID:	6928600230	
	Year Built:	1962	
	Registry Status:	Not Determined	
IR1907 **WSW** **1/2-1 mi** **4701**	**Not Reported** **242 S 301ST ST** **Federal Way, WA**		**WAI201600493402** **WA HPI**
	Historic ID:	305083	
	Tax Parcel ID:	6928600100	
	Year Built:	1962	
	Registry Status:	Not Determined	
IH1908 **SSW** **1/2-1 mi** **4701**	**Not Reported** **821 S 309TH PL** **Federal Way, WA**		**WAI201600207438** **WA HPI**
	Historic ID:	305172	
	Tax Parcel ID:	9315000160	
	Year Built:	1967	
	Registry Status:	Not Determined	
IQ1909 **SSE** **1/2-1 mi** **4700**	**Not Reported** **1840 S 312TH ST** **Federal Way, WA**		**WAI201600415690** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	389650	
	Tax Parcel ID:	7853600061	
	Year Built:	1946	
	Registry Status:	Not Determined	
IP1910 **NE** **1/2-1 mi** **4703**	**Not Reported** **28612 25TH PL S** **Federal Way, WA**		**WAI201600106109** **WA HPI**
	Historic ID:	345016	
	Tax Parcel ID:	5529000140	
	Year Built:	1968	
	Registry Status:	Not Determined	
HZ1911 **NNE** **1/2-1 mi** **4705**	**Not Reported** **2306 S 284TH PL** **Federal Way, WA**		**WAI201600417421** **WA HPI**
	Historic ID:	394690	
	Tax Parcel ID:	4222200210	
	Year Built:	1967	
	Registry Status:	Not Determined	
HZ1912 **NNE** **1/2-1 mi** **4706**	**Not Reported** **2217 S 284TH ST** **Federal Way, WA**		**WAI201600064337** **WA HPI**
	Historic ID:	316890	
	Tax Parcel ID:	4222200330	
	Year Built:	1968	
	Registry Status:	Not Determined	
IO1913 **NE** **1/2-1 mi** **4707**	**Not Reported** **2516 S 286TH PL** **Federal Way, WA**		**WAI201600102598** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 335044 Tax Parcel ID: 5529000090 Year Built: 1969 Registry Status: Not Determined	
IP1914 **NE** **1/2-1 mi** **4721**	**Not Reported** **28627 26TH AVE S** **Federal Way, WA**	**WAI201600138373** **WA HPI**
	Historic ID: 399690 Tax Parcel ID: 7466900050 Year Built: 1962 Registry Status: Not Determined	
IR1915 **West** **1/2-1 mi** **4723**	**Not Reported** **236 S 300TH ST** **Federal Way, WA**	**WAI201600138455** **WA HPI**
	Historic ID: 399865 Tax Parcel ID: 6928600170 Year Built: 1962 Registry Status: Not Determined	
HT1916 **ESE** **1/2-1 mi** **4723**	**Not Reported** **30228 MILITARY RD S** **Federal Way, WA**	**WAI201600352565** **WA HPI**
	Historic ID: 312238 Tax Parcel ID: 0421049023 Year Built: 1959 Registry Status: Not Determined	
HT1917 **ESE** **1/2-1 mi** **4722**	**30228 Military Rd S** **30228 Military Rd S** **Federal Way, WA 98003**	**WAI201600033960** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 674004 Tax Parcel ID: 0421049023 Year Built: 1959 Registry Status: Determined Not Eligible	
IG1918 WSW 1/2-1 mi 4728	**Not Reported 403 S 305TH ST Federal Way, WA**	**WAI201600128516 WA HPI**
	Historic ID: 392192 Tax Parcel ID: 1042500010 Year Built: 1967 Registry Status: Not Determined	
ID1919 NNE 1/2-1 mi 4729	**Not Reported 28401 22ND AVE S Federal Way, WA**	**WAI201600065226 WA HPI**
	Historic ID: 323166 Tax Parcel ID: 4222200530 Year Built: 1968 Registry Status: Not Determined	
IJ1920 SSE 1/2-1 mi 4730	**Not Reported 1856 S 312TH ST Federal Way, WA**	**WAI201600063355 WA HPI**
	Historic ID: 311954 Tax Parcel ID: 7853600062 Year Built: 1943 Registry Status: Not Determined	
HV1921 NE 1/2-1 mi 4732	**Not Reported 28708 26TH AVE S Federal Way, WA**	**WAI201600415918 WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 390068 Tax Parcel ID: 7466900450 Year Built: 1962 Registry Status: Not Determined	
IO1922 **NE** **1/2-1 mi** **4736**	**Not Reported** **2515 S 286TH ST** **Federal Way, WA**	**WAI201600418700** **WA HPI**
	Historic ID: 397205 Tax Parcel ID: 5529000050 Year Built: 1968 Registry Status: Not Determined	
IM1923 **SSE** **1/2-1 mi** **4736**	**Not Reported** **31005 24TH AVE S** **Federal Way, WA**	**WAI201600493503** **WA HPI**
	Historic ID: 305279 Tax Parcel ID: 0537000506 Year Built: 1930 Registry Status: Not Determined	
IR1924 **West** **1/2-1 mi** **4739**	**Not Reported** **235 S 300TH ST** **Federal Way, WA**	**WAI201600209417** **WA HPI**
	Historic ID: 310639 Tax Parcel ID: 6928600160 Year Built: 1962 Registry Status: Not Determined	
HY1925 **SSE** **1/2-1 mi** **4743**	**Not Reported** **31037 22ND AVE S** **Federal Way, WA**	**WAI201600064114** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	316481	
	Tax Parcel ID:	0537000646	
	Year Built:	1958	
	Registry Status:	Not Determined	
IO1926 **NE** **1/2-1 mi** **4745**	**Not Reported** **2524 S 286TH PL** **Federal Way, WA**		**WAI201600102582** **WA HPI**
	Historic ID:	335028	
	Tax Parcel ID:	5529000100	
	Year Built:	1969	
	Registry Status:	Not Determined	
IS1927 **WSW** **1/2-1 mi** **4749**	**Not Reported** **346 S 304TH PL** **Federal Way, WA**		**WAI201600353546** **WA HPI**
	Historic ID:	317195	
	Tax Parcel ID:	2329600020	
	Year Built:	1962	
	Registry Status:	Not Determined	
HX1928 **SE** **1/2-1 mi** **4750**	**Not Reported** **30625 28TH AVE S** **Federal Way, WA**		**WAI201600214975** **WA HPI**
	Historic ID:	326280	
	Tax Parcel ID:	0921049211	
	Year Built:	1952	
	Registry Status:	Not Determined	
HZ1929 **NNE** **1/2-1 mi** **4752**	**Not Reported** **2221 S 284TH ST** **Federal Way, WA**		**WAI201600496421** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	314292	
	Tax Parcel ID:	4222200340	
	Year Built:	1968	
	Registry Status:	Not Determined	
IC1930 **South** **1/2-1 mi** **4753**	**1702 S 312th St** **1702 S 312th St** **Federal Way, WA 98003**		**WAI201600323714** **WA HPI**
	Historic ID:	674118	
	Tax Parcel ID:	0921049189	
	Year Built:	1947	
	Registry Status:	Determined Not Eligible	
IR1931 **West** **1/2-1 mi** **4754**	**Not Reported** **239 S 300TH ST** **Federal Way, WA**		**WAI201600351928** **WA HPI**
	Historic ID:	307901	
	Tax Parcel ID:	6928600150	
	Year Built:	1962	
	Registry Status:	Not Determined	
HV1932 **NE** **1/2-1 mi** **4753**	**Not Reported** **2614 S 288TH ST** **Federal Way, WA**		**WAI201600361100** **WA HPI**
	Historic ID:	328094	
	Tax Parcel ID:	3322049035	
	Year Built:	1936	
	Registry Status:	Not Determined	
IG1933 **WSW** **1/2-1 mi** **4755**	**Not Reported** **30457 4TH AVE S** **Federal Way, WA**		**WAI201600212487** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	319735	
	Tax Parcel ID:	2329600280	
	Year Built:	1963	
	Registry Status:	Not Determined	
IT1934 **SSE** **1/2-1 mi** **4758**	**Not Reported** **31026 22ND AVE S** **Federal Way, WA**		**WAI201600417208** **WA HPI**
	Historic ID:	394192	
	Tax Parcel ID:	0537000520	
	Year Built:	1951	
	Registry Status:	Not Determined	
IO1935 **NE** **1/2-1 mi** **4759**	**Not Reported** **28606 25TH PL S** **Federal Way, WA**		**WAI201600106085** **WA HPI**
	Historic ID:	344992	
	Tax Parcel ID:	5529000130	
	Year Built:	1968	
	Registry Status:	Not Determined	
IH1936 **SSW** **1/2-1 mi** **4760**	**Not Reported** **811 S 309TH PL** **Federal Way, WA**		**WAI201600497979** **WA HPI**
	Historic ID:	318899	
	Tax Parcel ID:	9315000170	
	Year Built:	1967	
	Registry Status:	Not Determined	
IN1937 **West** **1/2-1 mi** **4764**	**Not Reported** **165 S 297TH PL** **Federal Way, WA**		**WAI201600498471** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 319963
Tax Parcel ID: 7764200070
Year Built: 1962
Registry Status: Not Determined

HZ1938
NNE
1/2-1 mi
4765

Not Reported
2312 S 285TH PL
Federal Way, WA

WAI201600130607
WA HPI

Historic ID: 396330
Tax Parcel ID: 4222200200
Year Built: 1967
Registry Status: Not Determined

IF1939
NNE
1/2-1 mi
4766

Not Reported
28433 OLD MILITARY RD
Federal Way, WA

WAI201600493805
WA HPI

Historic ID: 305963
Tax Parcel ID: 3322049036
Year Built: 1946
Registry Status: Not Determined

IU1940
ESE
1/2-1 mi
4769

30246 Military Rd S
30246 Military Rd S
Federal Way, WA 98003

WAI201600033959
WA HPI

Historic ID: 674003
Tax Parcel ID: 0421049158
Year Built: 1963
Registry Status: Determined Not Eligible

IP1941
NE
1/2-1 mi
4768

Not Reported
28617 26TH AVE S
Federal Way, WA

WAI201600499452
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	321906	
	Tax Parcel ID:	7466900060	
	Year Built:	1961	
	Registry Status:	Not Determined	
IV1942 **SE** **1/2-1 mi** **4770**	**Not Reported** **30606 28TH AVE S** **Federal Way, WA**		**WAI201600493505** **WA HPI**
	Historic ID:	305281	
	Tax Parcel ID:	0921049168	
	Year Built:	1956	
	Registry Status:	Not Determined	
IU1943 **ESE** **1/2-1 mi** **4771**	**Not Reported** **30246 MILITARY RD S** **Federal Way, WA**		**WAI201600106090** **WA HPI**
	Historic ID:	344997	
	Tax Parcel ID:	0421049158	
	Year Built:	1963	
	Registry Status:	Not Determined	
IO1944 **NE** **1/2-1 mi** **4774**	**Not Reported** **2521 S 286TH ST** **Federal Way, WA**		**WAI201600214712** **WA HPI**
	Historic ID:	325732	
	Tax Parcel ID:	5529000040	
	Year Built:	1968	
	Registry Status:	Not Determined	
IR1945 **WSW** **1/2-1 mi** **4777**	**Not Reported** **232 S 301ST ST** **Federal Way, WA**		**WAI201600207721** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	305734	
	Tax Parcel ID:	6928600090	
	Year Built:	1962	
	Registry Status:	Not Determined	
IJ1946 **SSE** **1/2-1 mi** **4777**	**Not Reported** **2016 S 312TH ST** **Federal Way, WA**		**WAI201600496056** **WA HPI**
	Historic ID:	313547	
	Tax Parcel ID:	0537000625	
	Year Built:	1942	
	Registry Status:	Not Determined	
IN1947 **West** **1/2-1 mi** **4777**	**Not Reported** **29606 3RD PL S** **Federal Way, WA**		**WAI201600354663** **WA HPI**
	Historic ID:	327032	
	Tax Parcel ID:	7183000080	
	Year Built:	1964	
	Registry Status:	Not Determined	
IE1948 **West** **1/2-1 mi** **4781**	**Not Reported** **159 S 297TH PL** **Federal Way, WA**		**WAI201600026038** **WA HPI**
	Historic ID:	391729	
	Tax Parcel ID:	7764200080	
	Year Built:	1963	
	Registry Status:	Not Determined	
IN1949 **West** **1/2-1 mi** **4781**	**Not Reported** **29614 3RD PL S** **Federal Way, WA**		**WAI201600138256** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	399387	
	Tax Parcel ID:	7183000150	
	Year Built:	1965	
	Registry Status:	Not Determined	
IN1950 **West** **1/2-1 mi** **4783**	**Not Reported** **158 S 297TH PL** **Federal Way, WA**		**WAI201600128563** **WA HPI**
	Historic ID:	392239	
	Tax Parcel ID:	7764200060	
	Year Built:	1962	
	Registry Status:	Not Determined	
IW1951 **West** **1/2-1 mi** **4786**	**Not Reported** **308 S 296TH PL** **Federal Way, WA**		**WAI201600138817** **WA HPI**
	Historic ID:	400506	
	Tax Parcel ID:	7183000070	
	Year Built:	1965	
	Registry Status:	Not Determined	
IR1952 **WSW** **1/2-1 mi** **4788**	**Not Reported** **239 S 301ST ST** **Federal Way, WA**		**WAI201600496501** **WA HPI**
	Historic ID:	314468	
	Tax Parcel ID:	6928600070	
	Year Built:	1962	
	Registry Status:	Not Determined	
IV1953 **SE** **1/2-1 mi** **4792**	**30614 28th Ave S** **30614 28th Ave S** **Federal Way, WA 98003**		**WAI201600033992** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

Historic ID: 674036
Tax Parcel ID: 0921049096
Year Built: 1944
Registry Status: Determined Not Eligible

IO1954
NE
1/2-1 mi
4792

Not Reported
2532 S 286TH PL
Federal Way, WA

WAI201600102567
WA HPI

Historic ID: 335013
Tax Parcel ID: 5529000110
Year Built: 1969
Registry Status: Not Determined

IX1955
South
1/2-1 mi
4792

Not Reported
1627 S 312TH ST
Federal Way, WA

WAI201600104078
WA HPI

Historic ID: 339519
Tax Parcel ID: 0921049162
Year Built: 1960
Registry Status: Not Determined

IX1956
South
1/2-1 mi
4793

Blue Spring Chiropractic
1627 S 312th St
Federal Way, WA 98003

WAI201600028639
WA HPI

Historic ID: 673604
Tax Parcel ID: 0921049162
Year Built: 1960
Registry Status: Determined Not Eligible

IP1957
NE
1/2-1 mi
4792

Not Reported
2611 S 287TH ST
Federal Way, WA

WAI201600210960
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	315195	
	Tax Parcel ID:	7466900440	
	Year Built:	1962	
	Registry Status:	Not Determined	
IY1958 **NNE** **1/2-1 mi** **4795**	**Not Reported** **2204 S 284TH ST** **Federal Way, WA**		**WAI201600351864** **WA HPI**
	Historic ID:	307742	
	Tax Parcel ID:	4222200390	
	Year Built:	1968	
	Registry Status:	Not Determined	
IC1959 **South** **1/2-1 mi** **4795**	**Not Reported** **1702 S 312TH ST** **Federal Way, WA**		**WAI201600392201** **WA HPI**
	Historic ID:	339270	
	Tax Parcel ID:	0921049189	
	Year Built:	1947	
	Registry Status:	Not Determined	
IG1960 **WSW** **1/2-1 mi** **4797**	**Not Reported** **30463 4TH AVE S** **Federal Way, WA**		**WAI201600063543** **WA HPI**
	Historic ID:	312330	
	Tax Parcel ID:	2329600290	
	Year Built:	1963	
	Registry Status:	Not Determined	
IF1961 **NNE** **1/2-1 mi** **4800**	**Not Reported** **2330 S 284TH PL** **Federal Way, WA**		**WAI201600500115** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	324758	
	Tax Parcel ID:	4222200170	
	Year Built:	1968	
	Registry Status:	Not Determined	
ID1962 **NNE** **1/2-1 mi** **4802**	**Not Reported** **28321 22ND AVE S** **Federal Way, WA**		**WAI201600138783** **WA HPI**
	Historic ID:	400472	
	Tax Parcel ID:	4222200520	
	Year Built:	1968	
	Registry Status:	Not Determined	
IY1963 **NNE** **1/2-1 mi** **4806**	**Not Reported** **2212 S 284TH ST** **Federal Way, WA**		**WAI201600425608** **WA HPI**
	Historic ID:	399207	
	Tax Parcel ID:	4222200380	
	Year Built:	1968	
	Registry Status:	Not Determined	
IO1964 **NE** **1/2-1 mi** **4808**	**Not Reported** **2527 S 286TH ST** **Federal Way, WA**		**WAI201600214365** **WA HPI**
	Historic ID:	325012	
	Tax Parcel ID:	5529000030	
	Year Built:	1968	
	Registry Status:	Not Determined	
IO1965 **NE** **1/2-1 mi** **4810**	**Not Reported** **28600 25TH PL S** **Federal Way, WA**		**WAI201600394201** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	344869	
	Tax Parcel ID:	5529000120	
	Year Built:	1968	
	Registry Status:	Not Determined	
IH1966 **SW** **1/2-1 mi** **4812**	**Not Reported** **805 S 309TH PL** **Federal Way, WA**		**WAI201600129563** **WA HPI**
	Historic ID:	394262	
	Tax Parcel ID:	9315000180	
	Year Built:	1967	
	Registry Status:	Not Determined	
IZ1967 **NE** **1/2-1 mi** **4813**	**Not Reported** **2622 S 288TH ST** **Federal Way, WA**		**WAI201600353232** **WA HPI**
	Historic ID:	316594	
	Tax Parcel ID:	3322049134	
	Year Built:	1960	
	Registry Status:	Not Determined	
IP1968 **NE** **1/2-1 mi** **4815**	**Not Reported** **28609 26TH AVE S** **Federal Way, WA**		**WAI201600500334** **WA HPI**
	Historic ID:	325264	
	Tax Parcel ID:	7466900070	
	Year Built:	1961	
	Registry Status:	Not Determined	
JA1969 **SW** **1/2-1 mi** **4817**	**Not Reported** **30855 8TH AVE S** **Federal Way, WA**		**WAI201600062939** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 308038 Tax Parcel ID: 0821049105 Year Built: 1953 Registry Status: Not Determined	
JB1970 **NNE** **1/2-1 mi** **4816**	**Not Reported** **2318 S 284TH PL** **Federal Way, WA**	**WAI201600212361** **WA HPI**
	Historic ID: 319516 Tax Parcel ID: 4222200190 Year Built: 1967 Registry Status: Not Determined	
IT1971 **SSE** **1/2-1 mi** **4817**	**Not Reported** **31045 22ND AVE S** **Federal Way, WA**	**WAI201600425784** **WA HPI**
	Historic ID: 399478 Tax Parcel ID: 0537000647 Year Built: 1961 Registry Status: Not Determined	
IS1972 **WSW** **1/2-1 mi** **4818**	**Not Reported** **338 S 304TH ST** **Federal Way, WA**	**WAI201600498696** **WA HPI**
	Historic ID: 320379 Tax Parcel ID: 2329600030 Year Built: 1962 Registry Status: Not Determined	
IY1973 **NNE** **1/2-1 mi** **4822**	**Not Reported** **2224 S 284TH ST** **Federal Way, WA**	**WAI201600353084** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	316256	
	Tax Parcel ID:	4222200350	
	Year Built:	1968	
	Registry Status:	Not Determined	
IO1974 **NE** **1/2-1 mi** **4826**	**Not Reported** **2508 S 286TH ST** **Federal Way, WA**		**WAI201600500547** **WA HPI**
	Historic ID:	325668	
	Tax Parcel ID:	6101100010	
	Year Built:	1963	
	Registry Status:	Not Determined	
IR1975 **WSW** **1/2-1 mi** **4829**	**Not Reported** **233 S 301ST ST** **Federal Way, WA**		**WAI201600208439** **WA HPI**
	Historic ID:	308719	
	Tax Parcel ID:	6928600080	
	Year Built:	1962	
	Registry Status:	Not Determined	
IP1976 **NE** **1/2-1 mi** **4829**	**Not Reported** **28630 26TH AVE S** **Federal Way, WA**		**WAI201600213086** **WA HPI**
	Historic ID:	320991	
	Tax Parcel ID:	7466900290	
	Year Built:	1961	
	Registry Status:	Not Determined	
JC1977 **SE** **1/2-1 mi** **4829**	**Not Reported** **31201 28TH AVE S** **Federal Way, WA**		**WAI201600392321** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 339485
Tax Parcel ID: 0921049026
Year Built: 1946
Registry Status: Not Determined

JD1978
ESE
1/2-1 mi
4835

Not Reported
30425 MILITARY RD S
Federal Way, WA

WAI201600351334
WA HPI

Historic ID: 303898
Tax Parcel ID: 0921049220
Year Built: 1961
Registry Status: Not Determined

IG1979
WSW
1/2-1 mi
4837

Not Reported
30505 4TH AVE S
Federal Way, WA

WAI201600215472
WA HPI

Historic ID: 328758
Tax Parcel ID: 2329600300
Year Built: 1963
Registry Status: Not Determined

IL1980
SE
1/2-1 mi
4835

Not Reported
2602 S 309TH ST
Federal Way, WA

WAI201600361117
WA HPI

Historic ID: 328111
Tax Parcel ID: 7984400025
Year Built: 1955
Registry Status: Not Determined

JD1981
ESE
1/2-1 mi
4836

30425 Military Rd S
30425 Military Rd S
Federal Way, WA 98003

WAI201600033941
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	673984	
	Tax Parcel ID:	0921049220	
	Year Built:	1961	
	Registry Status:	Determined Not Eligible	
JE1982 **SSE** **1/2-1 mi** **4837**	**Not Reported** **2036 S 312TH ST** **Federal Way, WA**		**WAI201600212873** **WA HPI**
	Historic ID:	320495	
	Tax Parcel ID:	0537000635	
	Year Built:	1957	
	Registry Status:	Not Determined	
JF1983 **South** **1/2-1 mi** **4848**	**Not Reported** **1305 S 312TH ST** **Federal Way, WA**		**WAI201600103429** **WA HPI**
	Historic ID:	338218	
	Tax Parcel ID:	6899900000	
	Year Built:	1963	
	Registry Status:	Not Determined	
IL1984 **SE** **1/2-1 mi** **4852**	**Not Reported** **30815 28TH AVE S** **Federal Way, WA**		**WAI201600352738** **WA HPI**
	Historic ID:	312603	
	Tax Parcel ID:	0921049243	
	Year Built:	1967	
	Registry Status:	Not Determined	
IS1985 **WSW** **1/2-1 mi** **4857**	**Not Reported** **343 S 304TH PL** **Federal Way, WA**		**WAI201600211537** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 317847 Tax Parcel ID: 2329600270 Year Built: 1962 Registry Status: Not Determined	
JB1986 **NNE** **1/2-1 mi** **4855**	**Not Reported** **2324 S 284TH PL** **Federal Way, WA**	**WAI201600064145** **WA HPI**
	Historic ID: 316512 Tax Parcel ID: 4222200180 Year Built: 1967 Registry Status: Not Determined	
IO1987 **NE** **1/2-1 mi** **4859**	**Not Reported** **2531 S 286TH ST** **Federal Way, WA**	**WAI201600131081** **WA HPI**
	Historic ID: 397269 Tax Parcel ID: 5529000020 Year Built: 1968 Registry Status: Not Determined	
IP1988 **NE** **1/2-1 mi** **4864**	**Not Reported** **28601 26TH AVE S** **Federal Way, WA**	**WAI201600065279** **WA HPI**
	Historic ID: 323312 Tax Parcel ID: 7466900080 Year Built: 1961 Registry Status: Not Determined	
IO1989 **NE** **1/2-1 mi** **4866**	**Not Reported** **2516 S 286TH ST** **Federal Way, WA**	**WAI201600210874** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 315015 Tax Parcel ID: 6101100020 Year Built: 1964 Registry Status: Not Determined	
JG1990 **NW** **1/2-1 mi** **4867**	**Not Reported** **28602 6TH PL S** **Des Moines, WA**	**WAI201600315850** **WA HPI**
	Historic ID: 391636 Tax Parcel ID: 7203600510 Year Built: 1959 Registry Status: Not Determined	
IW1991 **West** **1/2-1 mi** **4870**	**Not Reported** **300 S 296TH PL** **Federal Way, WA**	**WAI201600418069** **WA HPI**
	Historic ID: 395909 Tax Parcel ID: 7183000060 Year Built: 1964 Registry Status: Not Determined	
IN1992 **West** **1/2-1 mi** **4869**	**Not Reported** **151 S 297TH PL** **Federal Way, WA**	**WAI201600500221** **WA HPI**
	Historic ID: 325056 Tax Parcel ID: 7764200090 Year Built: 1962 Registry Status: Not Determined	
IY1993 **NNE** **1/2-1 mi** **4871**	**Not Reported** **28313 22ND AVE S** **Federal Way, WA**	**WAI201600352743** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 312608 Tax Parcel ID: 4222200510 Year Built: 1968 Registry Status: Not Determined	
IZ1994 NE 1/2-1 mi 4872	**Not Reported 2630 S 288TH ST Federal Way, WA**	**WAI201600353494 WA HPI**
	Historic ID: 317143 Tax Parcel ID: 3322049135 Year Built: 1960 Registry Status: Not Determined	
IG1995 WSW 1/2-1 mi 4874	**Not Reported 30513 4TH AVE S Federal Way, WA**	**WAI201600065179 WA HPI**
	Historic ID: 323119 Tax Parcel ID: 2329600310 Year Built: 1962 Registry Status: Not Determined	
JG1996 NW 1/2-1 mi 4877	**Not Reported 28620 6TH PL S Des Moines, WA**	**WAI201600500697 WA HPI**
	Historic ID: 326013 Tax Parcel ID: 7203600535 Year Built: 1942 Registry Status: Not Determined	
JG1997 NW 1/2-1 mi 4876	**Not Reported 28624 6TH PL S Des Moines, WA**	**WAI201600497359 WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 317702 Tax Parcel ID: 7203600540 Year Built: 1928 Registry Status: Not Determined	
JH1998 **SE** **1/2-1 mi** **4877**	**Not Reported** **30645 28TH AVE SW** **Federal Way, WA**	**WAI201600211922** **WA HPI**
	Historic ID: 318610 Tax Parcel ID: 0921049231 Year Built: 1964 Registry Status: Not Determined	
IT1999 **SSE** **1/2-1 mi** **4881**	**Not Reported** **31046 22ND AVE S** **Federal Way, WA**	**WAI201600353789** **WA HPI**
	Historic ID: 322264 Tax Parcel ID: 0537000655 Year Built: 1969 Registry Status: Not Determined	
IN2000 **West** **1/2-1 mi** **4885**	**Not Reported** **148 S 297TH PL** **Federal Way, WA**	**WAI201600212497** **WA HPI**
	Historic ID: 319745 Tax Parcel ID: 7764200050 Year Built: 1965 Registry Status: Not Determined	
JF2001 **SSW** **1/2-1 mi** **4884**	**Not Reported** **31207 13TH AVE S** **Federal Way, WA**	**WAI201600415623** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 389488 Tax Parcel ID: 7875000065 Year Built: 1954 Registry Status: Not Determined	
IY2002 **NNE** **1/2-1 mi** **4885**	**Not Reported** **2216 S 284TH ST** **Federal Way, WA**	**WAI201600025742** **WA HPI**
	Historic ID: 391061 Tax Parcel ID: 4222200370 Year Built: 1968 Registry Status: Not Determined	
IS2003 **WSW** **1/2-1 mi** **4887**	**Not Reported** **30412 3RD PL S** **Federal Way, WA**	**WAI201600064749** **WA HPI**
	Historic ID: 322217 Tax Parcel ID: 2329600260 Year Built: 1962 Registry Status: Not Determined	
IZ2004 **NE** **1/2-1 mi** **4887**	**Not Reported** **2621 S 287TH ST** **Federal Way, WA**	**WAI201600062473** **WA HPI**
	Historic ID: 307102 Tax Parcel ID: 7466900430 Year Built: 1962 Registry Status: Not Determined	
JB2005 **NNE** **1/2-1 mi** **4888**	**Water Tank (Old Military Road South)** **28421 Military Rd S** **Federal Way, WA 98063**	**WAI201600469260** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	675636	
	Tax Parcel ID:	Not Reported	
	Year Built:	1962	
	Registry Status:	Determined Not Eligible	
JG2006 **NW** **1/2-1 mi** **4892**	**Not Reported** **28632 6TH PL S** **Des Moines, WA**		**WAI201600063524** **WA HPI**
	Historic ID:	312311	
	Tax Parcel ID:	7203600550	
	Year Built:	1946	
	Registry Status:	Not Determined	
JF2007 **SSW** **1/2-1 mi** **4891**	**Not Reported** **1245 S 312TH ST** **Federal Way, WA**		**WAI201600426315** **WA HPI**
	Historic ID:	400579	
	Tax Parcel ID:	7875000060	
	Year Built:	1953	
	Registry Status:	Not Determined	
JE2008 **SSE** **1/2-1 mi** **4891**	**Not Reported** **2044 S 312TH ST** **Federal Way, WA**		**WAI201600138021** **WA HPI**
	Historic ID:	398966	
	Tax Parcel ID:	0537000640	
	Year Built:	1945	
	Registry Status:	Not Determined	
IS2009 **WSW** **1/2-1 mi** **4892**	**Not Reported** **330 S 304TH PL** **Federal Way, WA**		**WAI201600493777** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 305840 Tax Parcel ID: 2329600040 Year Built: 1962 Registry Status: Not Determined	
IP2010 **NE** **1/2-1 mi** **4893**	**Not Reported** **28620 26TH AVE S** **Federal Way, WA**	**WAI201600215495** **WA HPI**
	Historic ID: 328781 Tax Parcel ID: 7466900280 Year Built: 1961 Registry Status: Not Determined	
IY2011 **NNE** **1/2-1 mi** **4892**	**Not Reported** **28312 22ND AVE S** **Federal Way, WA**	**WAI201600426184** **WA HPI**
	Historic ID: 400353 Tax Parcel ID: 4222200400 Year Built: 1968 Registry Status: Not Determined	
JG2012 **NW** **1/2-1 mi** **4895**	**Not Reported** **28505 6TH PL S** **Des Moines, WA**	**WAI201600496266** **WA HPI**
	Historic ID: 313947 Tax Parcel ID: 7203600495 Year Built: 1947 Registry Status: Not Determined	
2013 **WNW** **1/2-1 mi** **4897**	**Not Reported** **515 S 288TH ST** **Des Moines, WA**	**WAI201600016593** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	342654	
	Tax Parcel ID:	0521049094	
	Year Built:	1963	
	Registry Status:	Not Determined	
IL2014 **SE** **1/2-1 mi** **4897**	**Not Reported** **2612 S 309TH ST** **Federal Way, WA**		**WAI201600315908** **WA HPI**
	Historic ID:	391694	
	Tax Parcel ID:	7984400020	
	Year Built:	1956	
	Registry Status:	Not Determined	
JI2015 **NW** **1/2-1 mi** **4902**	**Not Reported** **28640 6TH PL S** **Des Moines, WA**		**WAI201600497185** **WA HPI**
	Historic ID:	315824	
	Tax Parcel ID:	7203600560	
	Year Built:	1903	
	Registry Status:	Not Determined	
IO2016 **NE** **1/2-1 mi** **4905**	**Not Reported** **2520 S 286TH ST** **Federal Way, WA**		**WAI201600207855** **WA HPI**
	Historic ID:	306056	
	Tax Parcel ID:	6101100030	
	Year Built:	1965	
	Registry Status:	Not Determined	
IN2017 **West** **1/2-1 mi** **4907**	**Not Reported** **29615 3RD PL S** **Federal Way, WA**		**WAI201600353867** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 322437 Tax Parcel ID: 7183000140 Year Built: 1964 Registry Status: Not Determined	
IY2018 **NNE** **1/2-1 mi** **4907**	**Not Reported** **2220 S 284TH ST** **Federal Way, WA**	**WAI201600494834** **WA HPI**
	Historic ID: 309562 Tax Parcel ID: 4222200360 Year Built: 1968 Registry Status: Not Determined	
JE2019 **SSE** **1/2-1 mi** **4908**	**Not Reported** **31055 22ND AVE S** **Federal Way, WA**	**WAI201600494250** **WA HPI**
	Historic ID: 306795 Tax Parcel ID: 0537000645 Year Built: 1964 Registry Status: Not Determined	
IP2020 **NE** **1/2-1 mi** **4909**	**Not Reported** **2614 S 287TH ST** **Federal Way, WA**	**WAI201600210810** **WA HPI**
	Historic ID: 314951 Tax Parcel ID: 7466900300 Year Built: 1962 Registry Status: Not Determined	
JJ2021 **WSW** **1/2-1 mi** **4912**	**Not Reported** **30523 4TH AVE S** **Federal Way, WA**	**WAI201600416663** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	393077	
	Tax Parcel ID:	2329600320	
	Year Built:	1963	
	Registry Status:	Not Determined	
IO2022 **NE** **1/2-1 mi** **4913**	**Not Reported** **2535 S 286TH ST** **Federal Way, WA**		**WAI201600417492** **WA HPI**
	Historic ID:	394761	
	Tax Parcel ID:	5529000010	
	Year Built:	1968	
	Registry Status:	Not Determined	
JH2023 **SE** **1/2-1 mi** **4913**	**Not Reported** **30801 28TH AVE S** **Federal Way, WA**		**WAI201600497488** **WA HPI**
	Historic ID:	317929	
	Tax Parcel ID:	0921049230	
	Year Built:	1967	
	Registry Status:	Not Determined	
JK2024 **NE** **1/2-1 mi** **4920**	**Not Reported** **28461 26TH AVE S** **Federal Way, WA**		**WAI201600497888** **WA HPI**
	Historic ID:	318712	
	Tax Parcel ID:	7466900090	
	Year Built:	1961	
	Registry Status:	Not Determined	
IN2025 **West** **1/2-1 mi** **4923**	**Not Reported** **143 S 297TH PL** **Federal Way, WA**		**WAI201600131362** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 397829
Tax Parcel ID: 7764200100
Year Built: 1962
Registry Status: Not Determined

IW2026
West
1/2-1 mi
4926

Not Reported
211 S 296TH PL
Federal Way, WA

WAI201600214843
WA HPI

Historic ID: 325961
Tax Parcel ID: 7183000090
Year Built: 1964
Registry Status: Not Determined

JC2027
SE
1/2-1 mi
4924

Not Reported
30915 26TH AVE S
Federal Way, WA

WAI201600425326
WA HPI

Historic ID: 398640
Tax Parcel ID: 7984400165
Year Built: 1956
Registry Status: Not Determined

IX2028
South
1/2-1 mi
4925

31218 Pacific Hwy S
31218 Pacific Hwy S
Federal Way, WA 98003

WAI201600028644
WA HPI

Historic ID: 673609
Tax Parcel ID: 0921049112
Year Built: 1962
Registry Status: Determined Not Eligible

IS2029
WSW
1/2-1 mi
4930

Not Reported
30420 3RD PL S
Federal Way, WA

WAI201600214124
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 324583 Tax Parcel ID: 2329600250 Year Built: 1962 Registry Status: Not Determined	
JF2030 **South** **1/2-1 mi** **4931**	**Not Reported** **31212 13TH AVE S** **Federal Way, WA**	**WAI201600212884** **WA HPI**
	Historic ID: 320600 Tax Parcel ID: 7875000080 Year Built: 1955 Registry Status: Not Determined	
JL2031 **SSW** **1/2-1 mi** **4933**	**Not Reported** **1237 S 312TH ST** **Federal Way, WA**	**WAI201600497999** **WA HPI**
	Historic ID: 319014 Tax Parcel ID: 7875000055 Year Built: 1953 Registry Status: Not Determined	
IX2032 **South** **1/2-1 mi** **4933**	**31220 Pacific Hwy S** **31220 Pacific Hwy S** **Federal Way, WA 98003**	**WAI201600028688** **WA HPI**
	Historic ID: 673753 Tax Parcel ID: 0921049110 Year Built: 1947 Registry Status: Determined Not Eligible	
IT2033 **SSE** **1/2-1 mi** **4934**	**Not Reported** **31054 22ND AVE S** **Federal Way, WA**	**WAI201600129481** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 394087 Tax Parcel ID: 0537000652 Year Built: 1960 Registry Status: Not Determined	
IX2034 **South** **1/2-1 mi** **4939**	**McMillin Building** **31220 PACIFIC HWY S** **Federal Way, WA**	**WAI201600104809** **WA HPI**
	Historic ID: 340998 Tax Parcel ID: 0921049110 Year Built: 1947 Registry Status: Not Determined	
IZ2035 **NE** **1/2-1 mi** **4938**	**Not Reported** **2806 S 288TH ST** **Federal Way, WA**	**WAI201600062123** **WA HPI**
	Historic ID: 303637 Tax Parcel ID: 3999000160 Year Built: 1954 Registry Status: Not Determined	
IY2036 **NNE** **1/2-1 mi** **4941**	**Not Reported** **28305 22ND AVE S** **Federal Way, WA**	**WAI201600129451** **WA HPI**
	Historic ID: 394057 Tax Parcel ID: 4222200500 Year Built: 1968 Registry Status: Not Determined	
IX2037 **South** **1/2-1 mi** **4943**	**Not Reported** **31218 PACIFIC HWY S** **Federal Way, WA**	**WAI201600392758** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	340397	
	Tax Parcel ID:	0921049112	
	Year Built:	1962	
	Registry Status:	Not Determined	
IP2038 **NE** **1/2-1 mi** **4946**	**Not Reported** **28612 26TH AVE S** **Federal Way, WA**		**WAI201600063580** **WA HPI**
	Historic ID:	312367	
	Tax Parcel ID:	7466900270	
	Year Built:	1961	
	Registry Status:	Not Determined	
IZ2039 **NE** **1/2-1 mi** **4949**	**Not Reported** **2625 S 287TH ST** **Federal Way, WA**		**WAI201600496305** **WA HPI**
	Historic ID:	313986	
	Tax Parcel ID:	7466900420	
	Year Built:	1962	
	Registry Status:	Not Determined	
JJ2040 **WSW** **1/2-1 mi** **4952**	**Not Reported** **30529 4TH AVE S** **Federal Way, WA**		**WAI201600425946** **WA HPI**
	Historic ID:	399830	
	Tax Parcel ID:	2329600330	
	Year Built:	1963	
	Registry Status:	Not Determined	
JL2041 **SSW** **1/2-1 mi** **4951**	**Not Reported** **1229 S 312TH ST** **Federal Way, WA**		**WAI201600129899** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	394970	
	Tax Parcel ID:	7875000050	
	Year Built:	1955	
	Registry Status:	Not Determined	
IP2042 **NE** **1/2-1 mi** **4952**	**Not Reported** **28637 27TH PL S** **Federal Way, WA**		**WAI201600213939** **WA HPI**
	Historic ID:	324209	
	Tax Parcel ID:	7466900310	
	Year Built:	1962	
	Registry Status:	Not Determined	
IN2043 **West** **1/2-1 mi** **4959**	**Not Reported** **140 S 297TH PL** **Federal Way, WA**		**WAI201600063032** **WA HPI**
	Historic ID:	308226	
	Tax Parcel ID:	7764200040	
	Year Built:	1962	
	Registry Status:	Not Determined	
IO2044 **NE** **1/2-1 mi** **4957**	**Not Reported** **2528 S 286TH ST** **Federal Way, WA**		**WAI201600353311** **WA HPI**
	Historic ID:	316768	
	Tax Parcel ID:	6101100040	
	Year Built:	1965	
	Registry Status:	Not Determined	
IW2045 **West** **1/2-1 mi** **4961**	**Not Reported** **212 S 296TH PL** **Federal Way, WA**		**WAI201600138527** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	399937	
	Tax Parcel ID:	7183000050	
	Year Built:	1964	
	Registry Status:	Not Determined	
JH2046 **SE** **1/2-1 mi** **4964**	**Not Reported** **2620 S 309TH ST** **Federal Way, WA**		**WAI201600360964** **WA HPI**
	Historic ID:	327767	
	Tax Parcel ID:	7984400015	
	Year Built:	1954	
	Registry Status:	Not Determined	
JJ2047 **WSW** **1/2-1 mi** **4965**	**Not Reported** **30428 3RD PL S** **Federal Way, WA**		**WAI201600315976** **WA HPI**
	Historic ID:	391857	
	Tax Parcel ID:	2329600240	
	Year Built:	1962	
	Registry Status:	Not Determined	
IO2048 **NE** **1/2-1 mi** **4965**	**Not Reported** **2536 S 286TH ST** **Federal Way, WA**		**WAI201600501122** **WA HPI**
	Historic ID:	328333	
	Tax Parcel ID:	6101100050	
	Year Built:	1965	
	Registry Status:	Not Determined	
JK2049 **NE** **1/2-1 mi** **4966**	**Not Reported** **28449 26TH AVE S** **Federal Way, WA**		**WAI201600210786** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	314834	
	Tax Parcel ID:	7466900100	
	Year Built:	1961	
	Registry Status:	Not Determined	
JL2050 **SSW** **1/2-1 mi** **4972**	**Not Reported** **1215 S 312TH ST** **Federal Way, WA**		**WAI201600499723** **WA HPI**
	Historic ID:	323983	
	Tax Parcel ID:	7875000045	
	Year Built:	1955	
	Registry Status:	Not Determined	
IY2051 **NNE** **1/2-1 mi** **4972**	**Not Reported** **2211 S 283RD ST** **Federal Way, WA**		**WAI201600494778** **WA HPI**
	Historic ID:	309408	
	Tax Parcel ID:	4222200420	
	Year Built:	1968	
	Registry Status:	Not Determined	
JF2052 **SSW** **1/2-1 mi** **4975**	**Not Reported** **31215 13TH AVE S** **Federal Way, WA**		**WAI201600213073** **WA HPI**
	Historic ID:	320885	
	Tax Parcel ID:	7875000070	
	Year Built:	1954	
	Registry Status:	Not Determined	
IY2053 **NNE** **1/2-1 mi** **4977**	**Not Reported** **2205 S 283RD ST** **Federal Way, WA**		**WAI201600130426** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 395963
Tax Parcel ID: 4222200410
Year Built: 1968
Registry Status: Not Determined

JH2054
SE
1/2-1 mi
4990

Not Reported
30809 28TH AVE S
Federal Way, WA

WAI201600499061
WA HPI

Historic ID: 321128
Tax Parcel ID: 0921049222
Year Built: 1966
Registry Status: Not Determined

JC2055
SE
1/2-1 mi
4990

Not Reported
2603 S 309TH ST
Federal Way, WA

WAI201600498199
WA HPI

Historic ID: 319405
Tax Parcel ID: 7984400065
Year Built: 1955
Registry Status: Not Determined

IS2056
WSW
1/2-1 mi
4991

Not Reported
30407 3RD PL S
Federal Way, WA

WAI201600425855
WA HPI

Historic ID: 399644
Tax Parcel ID: 2329600050
Year Built: 1964
Registry Status: Not Determined

JC2057
SE
1/2-1 mi
4993

Not Reported
30921 26TH AVE S
Federal Way, WA

WAI201600213751
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	323833	
	Tax Parcel ID:	7984400170	
	Year Built:	1957	
	Registry Status:	Not Determined	

JH2058
SE
1/2-1 mi
4992

30642 28th Ave S
30642 28th Ave S
Federal Way, WA 98003

WAI201600033991
WA HPI

Historic ID:	674035
Tax Parcel ID:	0921049182
Year Built:	1949
Registry Status:	Determined Not Eligible

JL2059
SSW
1/2-1 mi
4997

Not Reported
1205 S 312TH ST
Federal Way, WA

WAI201600138533
WA HPI

Historic ID:	399943
Tax Parcel ID:	7875000040
Year Built:	1955
Registry Status:	Not Determined

JJ2060
WSW
1/2-1 mi
4997

Not Reported
30601 4TH AVE S
Federal Way, WA

WAI201600499942
WA HPI

Historic ID:	324490
Tax Parcel ID:	2329600340
Year Built:	1962
Registry Status:	Not Determined

JM2061
NE
1/2-1 mi
5000

Not Reported
28434 MILITARY RD
Federal Way, WA

WAI201600025798
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 391210
Tax Parcel ID: 3322049086
Year Built: 1947
Registry Status: Not Determined

JJ2062
WSW
1/2-1 mi
5004

Not Reported
30436 3RD PL S
Federal Way, WA

WAI201600130319
WA HPI

Historic ID: 395762
Tax Parcel ID: 2329600230
Year Built: 1963
Registry Status: Not Determined

JF2063
South
1/2-1 mi
5002

Shirley Khin
31220 13th Ave S
Federal Way, WA 98003

WAI201600469206
WA HPI

Historic ID: 675479
Tax Parcel ID: Not Reported
Year Built: 1954
Registry Status: Determined Not Eligible

IV2064
ESE
1/2-1 mi
5004

Not Reported
30459 MILITARY RD S
Federal Way, WA

WAI201600306327
WA HPI

Historic ID: 337607
Tax Parcel ID: 0921049100
Year Built: 1966
Registry Status: Not Determined

JA2065
SW
1/2-1 mi
5006

Not Reported
31011 8TH AVE S
Federal Way, WA

WAI201600361056
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 327954 Tax Parcel ID: 0821049205 Year Built: 1966 Registry Status: Not Determined	
JK2066 **NE** **1/2-1 mi** **5007**	**Not Reported** **28604 26TH AVE S** **Federal Way, WA**	**WAI201600063118** **WA HPI**
	Historic ID: 308405 Tax Parcel ID: 7466900260 Year Built: 1961 Registry Status: Not Determined	
JN2067 **West** **1/2-1 mi** **5008**	**Not Reported** **135 S 297TH PL** **Federal Way, WA**	**WAI201600354333** **WA HPI**
	Historic ID: 323384 Tax Parcel ID: 7764200110 Year Built: 1962 Registry Status: Not Determined	
IP2068 **NE** **1/2-1 mi** **5006**	**Not Reported** **28625 27TH PL S** **Federal Way, WA**	**WAI201600128382** **WA HPI**
	Historic ID: 390461 Tax Parcel ID: 7466900320 Year Built: 1962 Registry Status: Not Determined	
IV2069 **SE** **1/2-1 mi** **5007**	**Not Reported** **30614 28TH AVE S** **Federal Way, WA**	**WAI201600214924** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 326136 Tax Parcel ID: 0921049096 Year Built: 1944 Registry Status: Not Determined	
JF2070 **South** **1/2-1 mi** **5009**	**Not Reported** **31220 13TH AVE S** **Federal Way, WA**	**WAI201600215154** **WA HPI**
	Historic ID: 326555 Tax Parcel ID: 7875000085 Year Built: 1954 Registry Status: Not Determined	
IY2071 **NNE** **1/2-1 mi** **5008**	**Not Reported** **2215 S 283RD ST** **Federal Way, WA**	**WAI201600351634** **WA HPI**
	Historic ID: 307319 Tax Parcel ID: 4222200430 Year Built: 1968 Registry Status: Not Determined	
IY2072 **NNE** **1/2-1 mi** **5010**	**Not Reported** **28301 22ND AVE S** **Federal Way, WA**	**WAI201600417534** **WA HPI**
	Historic ID: 394898 Tax Parcel ID: 4222200490 Year Built: 1968 Registry Status: Not Determined	
IW2073 **West** **1/2-1 mi** **5018**	**Not Reported** **29608 2ND PL S** **Federal Way, WA**	**WAI201600214111** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	324477	
	Tax Parcel ID:	7183000100	
	Year Built:	1965	
	Registry Status:	Not Determined	
JL2074 **SSW** **1/2-1 mi** **5017**	**Not Reported** **1139 S 312TH ST** **Federal Way, WA**		**WAI201600213701** **WA HPI**
	Historic ID:	323690	
	Tax Parcel ID:	7875000035	
	Year Built:	1955	
	Registry Status:	Not Determined	
IS2075 **WSW** **1/2-1 mi** **5019**	**Not Reported** **312 S 304TH PL** **Federal Way, WA**		**WAI201600211413** **WA HPI**
	Historic ID:	317630	
	Tax Parcel ID:	2329700010	
	Year Built:	1965	
	Registry Status:	Not Determined	
JK2076 **NE** **1/2-1 mi** **5017**	**Not Reported** **28441 26TH AVE S** **Federal Way, WA**		**WAI201600213508** **WA HPI**
	Historic ID:	321792	
	Tax Parcel ID:	7466900110	
	Year Built:	1962	
	Registry Status:	Not Determined	
JO2077 **WSW** **1/2-1 mi** **5021**	**Not Reported** **30201 1ST PL S** **Federal Way, WA**		**WAI201600492983** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 304280 Tax Parcel ID: 3391800360 Year Built: 1961 Registry Status: Not Determined	
JG2078 **NW** **1/2-1 mi** **5021**	**Not Reported** **28515 6TH PL S** **Des Moines, WA**	**WAI201600065197** **WA HPI**
	Historic ID: 323137 Tax Parcel ID: 7203600501 Year Built: 1946 Registry Status: Not Determined	
IZ2079 **NE** **1/2-1 mi** **5021**	**Not Reported** **28640 27TH PL S** **Federal Way, WA**	**WAI201600426161** **WA HPI**
	Historic ID: 400330 Tax Parcel ID: 7466900410 Year Built: 1962 Registry Status: Not Determined	
JM2080 **NNE** **1/2-1 mi** **5024**	**Not Reported** **28425 MILITARY RD** **Federal Way, WA**	**WAI201600360774** **WA HPI**
	Historic ID: 327384 Tax Parcel ID: 3322049077 Year Built: 1948 Registry Status: Not Determined	
JH2081 **SE** **1/2-1 mi** **5023**	**Not Reported** **2628 S 309TH ST** **Federal Way, WA**	**WAI201600130342** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	395786	
	Tax Parcel ID:	7984400010	
	Year Built:	1956	
	Registry Status:	Not Determined	

IT2082
SSE
1/2-1 mi
5026

Not Reported
2236 S 312TH ST
Federal Way, WA

WAI201600208707
WA HPI

Historic ID:	309267
Tax Parcel ID:	0537000665
Year Built:	1963
Registry Status:	Not Determined

JO2083
WSW
1/2-1 mi
5032

Not Reported
30165 2ND PL S
Federal Way, WA

WAI201600418323
WA HPI

Historic ID:	396448
Tax Parcel ID:	3391800010
Year Built:	1961
Registry Status:	Not Determined

JN2084
West
1/2-1 mi
5029

Not Reported
29616 2ND PL S
Federal Way, WA

WAI201600128230
WA HPI

Historic ID:	390123
Tax Parcel ID:	7183000130
Year Built:	1965
Registry Status:	Not Determined

JF2085
SSW
1/2-1 mi
5031

Not Reported
31223 13TH AVE S
Federal Way, WA

WAI201600128467
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	392050	
	Tax Parcel ID:	7875200005	
	Year Built:	1955	
	Registry Status:	Not Determined	
JP2086 **SSW** **1/2-1 mi** **5038**	**Not Reported** **1131 S 312TH ST** **Federal Way, WA**		**WAI201600128282** **WA HPI**
	Historic ID:	390175	
	Tax Parcel ID:	7875000030	
	Year Built:	1955	
	Registry Status:	Not Determined	
JJ2087 **WSW** **1/2-1 mi** **5046**	**Not Reported** **30442 3RD PL S** **Federal Way, WA**		**WAI201600419326** **WA HPI**
	Historic ID:	398496	
	Tax Parcel ID:	2329600220	
	Year Built:	1962	
	Registry Status:	Not Determined	
IW2088 **West** **1/2-1 mi** **5046**	**Not Reported** **204 S 296TH PL** **Federal Way, WA**		**WAI201600499391** **WA HPI**
	Historic ID:	321845	
	Tax Parcel ID:	7183000040	
	Year Built:	1967	
	Registry Status:	Not Determined	
JQ2089 **SE** **1/2-1 mi** **5044**	**Not Reported** **2611 S 309TH ST** **Federal Way, WA**		**WAI201600499425** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 321879 Tax Parcel ID: 7984400060 Year Built: 1955 Registry Status: Not Determined	
JJ2090 **SW** **1/2-1 mi** **5047**	**Not Reported** **30609 4TH AVE S** **Federal Way, WA**	**WAI201600419047** **WA HPI**
	Historic ID: 397932 Tax Parcel ID: 2329600350 Year Built: 1964 Registry Status: Not Determined	
JC2091 **SE** **1/2-1 mi** **5051**	**Not Reported** **30931 26TH AVE S** **Federal Way, WA**	**WAI201600213910** **WA HPI**
	Historic ID: 324087 Tax Parcel ID: 7984400175 Year Built: 1957 Registry Status: Not Determined	
IS2092 **WSW** **1/2-1 mi** **5050**	**Not Reported** **30415 3RD PL S** **Federal Way, WA**	**WAI201600131060** **WA HPI**
	Historic ID: 397248 Tax Parcel ID: 2329600060 Year Built: 1964 Registry Status: Not Determined	
JM2093 **NE** **1/2-1 mi** **5052**	**Not Reported** **28422 MILITARY RD S** **Federal Way, WA**	**WAI201600209336** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

Historic ID: 310465
Tax Parcel ID: 3322049168
Year Built: 1948
Registry Status: Not Determined

JK2094
NE
1/2-1 mi
5055

Not Reported
28460 26TH AVE S
Federal Way, WA

WAI201600211288
WA HPI

Historic ID: 315898
Tax Parcel ID: 7466900250
Year Built: 1962
Registry Status: Not Determined

JR2095
NW
1/2-1 mi
5057

Not Reported
28434 5TH PL S
Des Moines, WA

WAI201600496073
WA HPI

Historic ID: 313564
Tax Parcel ID: 7203600780
Year Built: 1958
Registry Status: Not Determined

JI2096
NW
1/2-1 mi
5058

Not Reported
28700 5TH PL S
Des Moines, WA

WAI201600210592
WA HPI

Historic ID: 314451
Tax Parcel ID: 7203600155
Year Built: 1945
Registry Status: Not Determined

IS2097
WSW
1/2-1 mi
5061

Not Reported
311 S 304TH PL
Federal Way, WA

WAI201600214441
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 325181 Tax Parcel ID: 2329700480 Year Built: 1965 Registry Status: Not Determined	
JD2098 **ESE** **1/2-1 mi** **5059**	**Not Reported** **30432 MILITARY RD S** **Federal Way, WA**	**WAI201600106095** **WA HPI**
	Historic ID: 345002 Tax Parcel ID: 4013200006 Year Built: 1944 Registry Status: Not Determined	
JK2099 **NE** **1/2-1 mi** **5061**	**Not Reported** **28617 27TH PL S** **Federal Way, WA**	**WAI201600501352** **WA HPI**
	Historic ID: 328850 Tax Parcel ID: 7466900330 Year Built: 1962 Registry Status: Not Determined	
JD2100 **ESE** **1/2-1 mi** **5060**	**Vilma's Signs** **30432 Military Rd S** **Federal Way, WA 98003**	**WAI201600033939** **WA HPI**
	Historic ID: 673982 Tax Parcel ID: 4013200006 Year Built: 1944 Registry Status: Determined Not Eligible	
JP2101 **SSW** **1/2-1 mi** **5063**	**Not Reported** **1021 S 312TH ST** **Federal Way, WA**	**WAI201600352436** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	311919	
	Tax Parcel ID:	7875000025	
	Year Built:	1968	
	Registry Status:	Not Determined	
JL2102 **SSW** **1/2-1 mi** **5068**	**Not Reported** **1236 S 313TH ST** **Federal Way, WA**		**WAI201600419185** **WA HPI**
	Historic ID:	398165	
	Tax Parcel ID:	7875400040	
	Year Built:	1955	
	Registry Status:	Not Determined	
JK2103 **NE** **1/2-1 mi** **5073**	**Not Reported** **28437 26TH AVE S** **Federal Way, WA**		**WAI201600352853** **WA HPI**
	Historic ID:	312814	
	Tax Parcel ID:	7466900120	
	Year Built:	1962	
	Registry Status:	Not Determined	
JO2104 **WSW** **1/2-1 mi** **5078**	**Not Reported** **30224 2ND AVE S** **Federal Way, WA**		**WAI201600130140** **WA HPI**
	Historic ID:	395397	
	Tax Parcel ID:	3391800310	
	Year Built:	1961	
	Registry Status:	Not Determined	
IY2105 **NNE** **1/2-1 mi** **5077**	**Not Reported** **28217 22ND AVE S** **Federal Way, WA**		**WAI201600207838** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 305946 Tax Parcel ID: 4222200480 Year Built: 1968 Registry Status: Not Determined	
JS2106 **NE** **1/2-1 mi** **5078**	**Not Reported** **28632 27TH PL S** **Federal Way, WA**	**WAI201600210244** **WA HPI**
	Historic ID: 313823 Tax Parcel ID: 7466900400 Year Built: 1962 Registry Status: Not Determined	
JD2107 **ESE** **1/2-1 mi** **5077**	**Pat's Plumbing Inc** **30459 Military Rd S** **Federal Way, WA 98003**	**WAI201600033940** **WA HPI**
	Historic ID: 673983 Tax Parcel ID: 0921049100 Year Built: 1966 Registry Status: Determined Not Eligible	
JL2108 **SSW** **1/2-1 mi** **5080**	**Not Reported** **1228 S 313TH ST** **Federal Way, WA**	**WAI201600352923** **WA HPI**
	Historic ID: 312979 Tax Parcel ID: 7875400045 Year Built: 1955 Registry Status: Not Determined	
IY2109 **NNE** **1/2-1 mi** **5080**	**Not Reported** **2218 S 283RD ST** **Federal Way, WA**	**WAI201600499719** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	323979	
	Tax Parcel ID:	4222200440	
	Year Built:	1968	
	Registry Status:	Not Determined	
JN2110 **West** **1/2-1 mi** **5083**	**Not Reported** **127 S 297TH PL** **Federal Way, WA**		**WAI201600128318** **WA HPI**
	Historic ID:	390304	
	Tax Parcel ID:	7764200120	
	Year Built:	1962	
	Registry Status:	Not Determined	
JJ2111 **WSW** **1/2-1 mi** **5082**	**Not Reported** **30450 3RD PL S** **Federal Way, WA**		**WAI201600497310** **WA HPI**
	Historic ID:	317558	
	Tax Parcel ID:	2329600210	
	Year Built:	1962	
	Registry Status:	Not Determined	
JJ2112 **WSW** **1/2-1 mi** **5083**	**Not Reported** **30423 3RD PL S** **Federal Way, WA**		**WAI201600026179** **WA HPI**
	Historic ID:	391963	
	Tax Parcel ID:	2329600070	
	Year Built:	1964	
	Registry Status:	Not Determined	
JF2113 **South** **1/2-1 mi** **5085**	**Not Reported** **31222 13TH AVE S** **Federal Way, WA**		**WAI201600208280** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	306860	
	Tax Parcel ID:	7875000090	
	Year Built:	1955	
	Registry Status:	Not Determined	
JH2114 **SE** **1/2-1 mi** **5087**	**30802 28th Ave S** **30802 28th Ave S** **Federal Way, WA 98003**		**WAI201600033990** **WA HPI**
	Historic ID:	674034	
	Tax Parcel ID:	0921049251	
	Year Built:	1954	
	Registry Status:	Determined Not Eligible	
JH2115 **SE** **1/2-1 mi** **5088**	**Not Reported** **2640 S 309TH ST** **Federal Way, WA**		**WAI201600063687** **WA HPI**
	Historic ID:	312567	
	Tax Parcel ID:	7984400005	
	Year Built:	1954	
	Registry Status:	Not Determined	
JT2116 **WSW** **1/2-1 mi** **5092**	**Not Reported** **302 S 304TH PL** **Federal Way, WA**		**WAI201600415884** **WA HPI**
	Historic ID:	390034	
	Tax Parcel ID:	2329700020	
	Year Built:	1966	
	Registry Status:	Not Determined	
JO2117 **WSW** **1/2-1 mi** **5093**	**Not Reported** **30205 1ST PL S** **Federal Way, WA**		**WAI201600425520** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 399024 Tax Parcel ID: 3391800350 Year Built: 1961 Registry Status: Not Determined	
JU2118 **NE** **1/2-1 mi** **5092**	**Not Reported** **2814 S 288TH ST** **Federal Way, WA**	**WAI201600416760** **WA HPI**
	Historic ID: 393269 Tax Parcel ID: 3322049203 Year Built: 1931 Registry Status: Not Determined	
2119 **SW** **1/2-1 mi** **5095**	**Lakehaven Utility District Water Tank (Larger Tank)** **30929 8th Ave S** **Federal Way, WA 98003**	**WAI201600469350** **WA HPI**
	Historic ID: 676385 Tax Parcel ID: 0821049029 Year Built: 1969 Registry Status: Determined Not Eligible	
JV2120 **SE** **1/2-1 mi** **5099**	**Not Reported** **30642 28TH AVE S** **Federal Way, WA**	**WAI201600498497** **WA HPI**
	Historic ID: 319989 Tax Parcel ID: 0921049182 Year Built: 1949 Registry Status: Not Determined	
JQ2121 **SE** **1/2-1 mi** **5098**	**Not Reported** **2619 S 309TH ST** **Federal Way, WA**	**WAI201600207746** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	305761	
	Tax Parcel ID:	7984400055	
	Year Built:	1956	
	Registry Status:	Not Determined	
JL2122 **SSW** **1/2-1 mi** **5098**	**Not Reported** **1220 S 313TH ST** **Federal Way, WA**		**WAI201600417826** **WA HPI**
	Historic ID:	395475	
	Tax Parcel ID:	7875400050	
	Year Built:	1955	
	Registry Status:	Not Determined	
JK2123 **NE** **1/2-1 mi** **5101**	**Not Reported** **28450 26TH AVE S** **Federal Way, WA**		**WAI201600207675** **WA HPI**
	Historic ID:	305688	
	Tax Parcel ID:	7466900240	
	Year Built:	1961	
	Registry Status:	Not Determined	
JC2124 **SE** **1/2-1 mi** **5105**	**Not Reported** **30922 26TH AVE S** **Federal Way, WA**		**WAI201600497206** **WA HPI**
	Historic ID:	315845	
	Tax Parcel ID:	7984400085	
	Year Built:	1954	
	Registry Status:	Not Determined	
JO2125 **WSW** **1/2-1 mi** **5106**	**Not Reported** **148 S 302ND ST** **Federal Way, WA**		**WAI201600352557** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 312230 Tax Parcel ID: 3391800020 Year Built: 1961 Registry Status: Not Determined	
JP2126 **SSW** **1/2-1 mi** **5105**	**Not Reported** **31206 10TH AVE S** **Federal Way, WA**	**WAI201600417309** **WA HPI**
	Historic ID: 394388 Tax Parcel ID: 7875000015 Year Built: 1956 Registry Status: Not Determined	
JC2127 **SE** **1/2-1 mi** **5108**	**Not Reported** **31003 26TH AVE S** **Federal Way, WA**	**WAI201600499409** **WA HPI**
	Historic ID: 321863 Tax Parcel ID: 7984400180 Year Built: 1955 Registry Status: Not Determined	
JK2128 **NE** **1/2-1 mi** **5112**	**Not Reported** **28605 27TH PL S** **Federal Way, WA**	**WAI201600215293** **WA HPI**
	Historic ID: 328391 Tax Parcel ID: 7466900340 Year Built: 1962 Registry Status: Not Determined	
JO2129 **WSW** **1/2-1 mi** **5115**	**Not Reported** **30230 2ND AVE S** **Federal Way, WA**	**WAI201600137903** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	398755	
	Tax Parcel ID:	3391800300	
	Year Built:	1961	
	Registry Status:	Not Determined	
JJ2130 **WSW** **1/2-1 mi** **5117**	**Not Reported** **30429 3RD PL S** **Federal Way, WA**		**WAI201600208271** **WA HPI**
	Historic ID:	306851	
	Tax Parcel ID:	2329600080	
	Year Built:	1964	
	Registry Status:	Not Determined	
JW2131 **SW** **1/2-1 mi** **5122**	**Not Reported** **30629 4TH AVE S** **Federal Way, WA**		**WAI201600494805** **WA HPI**
	Historic ID:	309435	
	Tax Parcel ID:	2329600180	
	Year Built:	1965	
	Registry Status:	Not Determined	
JL2132 **SSW** **1/2-1 mi** **5125**	**Not Reported** **1206 S 313TH ST** **Federal Way, WA**		**WAI201600211144** **WA HPI**
	Historic ID:	315568	
	Tax Parcel ID:	7875400055	
	Year Built:	1955	
	Registry Status:	Not Determined	
IY2133 **NNE** **1/2-1 mi** **5124**	**Not Reported** **2204 S 283RD ST** **Federal Way, WA**		**WAI201600501058** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	328269	
	Tax Parcel ID:	4222200470	
	Year Built:	1968	
	Registry Status:	Not Determined	
JJ2134 **WSW** **1/2-1 mi** **5125**	**Not Reported** **30458 3RD PL S** **Federal Way, WA**		**WAI201600209022** **WA HPI**
	Historic ID:	309864	
	Tax Parcel ID:	2329600200	
	Year Built:	1962	
	Registry Status:	Not Determined	
JK2135 **NE** **1/2-1 mi** **5125**	**Not Reported** **28423 26TH AVE S** **Federal Way, WA**		**WAI201600499805** **WA HPI**
	Historic ID:	324160	
	Tax Parcel ID:	7466900130	
	Year Built:	1962	
	Registry Status:	Not Determined	
JF2136 **South** **1/2-1 mi** **5126**	**Not Reported** **31302 13TH AVE S** **Federal Way, WA**		**WAI201600354572** **WA HPI**
	Historic ID:	326846	
	Tax Parcel ID:	7875200010	
	Year Built:	1955	
	Registry Status:	Not Determined	
IY2137 **NNE** **1/2-1 mi** **5126**	**Jaime Artega** **2204 283rd St S** **Federal Way, WA 98003**		**WAI201600182270** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 676148 Tax Parcel ID: Not Reported Year Built: 1968 Registry Status: Determined Not Eligible	
JO2138 **WSW** **1/2-1 mi** **5130**	**Not Reported** **30218 2ND AVE S** **Federal Way, WA**	**WAI201600025981** **WA HPI**
	Historic ID: 391579 Tax Parcel ID: 3391800320 Year Built: 1961 Registry Status: Not Determined	
JS2139 **NE** **1/2-1 mi** **5129**	**Not Reported** **28624 27TH PL S** **Federal Way, WA**	**WAI201600026135** **WA HPI**
	Historic ID: 391919 Tax Parcel ID: 7466900390 Year Built: 1962 Registry Status: Not Determined	
JT2140 **WSW** **1/2-1 mi** **5132**	**Not Reported** **30404 3RD AVE S** **Federal Way, WA**	**WAI201600352041** **WA HPI**
	Historic ID: 308111 Tax Parcel ID: 2329700470 Year Built: 1965 Registry Status: Not Determined	
JX2141 **West** **1/2-1 mi** **5133**	**Not Reported** **122 S 296TH PL** **Federal Way, WA**	**WAI201600418615** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	397025	
	Tax Parcel ID:	7183000030	
	Year Built:	1966	
	Registry Status:	Not Determined	
JU2142 **NE** **1/2-1 mi** **5141**	**Not Reported** **2828 S 288TH ST** **Federal Way, WA**		**WAI201600494402** **WA HPI**
	Historic ID:	308650	
	Tax Parcel ID:	3322049163	
	Year Built:	1965	
	Registry Status:	Not Determined	
JO2143 **WSW** **1/2-1 mi** **5144**	**Not Reported** **30236 2ND AVE S** **Federal Way, WA**		**WAI201600215143** **WA HPI**
	Historic ID:	326544	
	Tax Parcel ID:	3391800290	
	Year Built:	1961	
	Registry Status:	Not Determined	
JP2144 **SSW** **1/2-1 mi** **5144**	**Not Reported** **1148 S 313TH ST** **Federal Way, WA**		**WAI201600495418** **WA HPI**
	Historic ID:	310724	
	Tax Parcel ID:	7875400060	
	Year Built:	1955	
	Registry Status:	Not Determined	
JY2145 **NNE** **1/2-1 mi** **5147**	**Not Reported** **28209 22ND AVE S** **Federal Way, WA**		**WAI201600353970** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 322638 Tax Parcel ID: 4222300250 Year Built: 1969 Registry Status: Not Determined	
JJ2146 **WSW** **1/2-1 mi** **5150**	**Not Reported** **30435 3RD PL S** **Federal Way, WA**	**WAI201600129968** **WA HPI**
	Historic ID: 395039 Tax Parcel ID: 2329600090 Year Built: 1965 Registry Status: Not Determined	
JR2147 **NW** **1/2-1 mi** **5152**	**Not Reported** **28454 4TH PL S** **Des Moines, WA**	**WAI201600416778** **WA HPI**
	Historic ID: 393382 Tax Parcel ID: 7203600745 Year Built: 1930 Registry Status: Not Determined	
JQ2148 **SE** **1/2-1 mi** **5151**	**Not Reported** **2627 S 309TH ST** **Federal Way, WA**	**WAI201600209146** **WA HPI**
	Historic ID: 310085 Tax Parcel ID: 7984400050 Year Built: 1956 Registry Status: Not Determined	
JG2149 **NW** **1/2-1 mi** **5154**	**Not Reported** **28460 SOUND VIEW DR S** **Des Moines, WA**	**WAI201600501046** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 328162 Tax Parcel ID: 7203600755 Year Built: 1945 Registry Status: Not Determined	
JK2150 **NE** **1/2-1 mi** **5152**	**Not Reported** **28444 26TH AVE S** **Federal Way, WA**	**WAI201600212916** **WA HPI**
	Historic ID: 320632 Tax Parcel ID: 7466900230 Year Built: 1961 Registry Status: Not Determined	
JN2151 **West** **1/2-1 mi** **5154**	**Not Reported** **119 S 297TH PL** **Federal Way, WA**	**WAI201600214536** **WA HPI**
	Historic ID: 325370 Tax Parcel ID: 7764200130 Year Built: 1962 Registry Status: Not Determined	
JQ2152 **SE** **1/2-1 mi** **5154**	**Not Reported** **2610 S 310TH ST** **Federal Way, WA**	**WAI201600212359** **WA HPI**
	Historic ID: 319514 Tax Parcel ID: 7984400080 Year Built: 1956 Registry Status: Not Determined	
JX2153 **West** **1/2-1 mi** **5154**	**Not Reported** **29617 2ND PL S** **Federal Way, WA**	**WAI201600499111** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 321277 Tax Parcel ID: 7183000120 Year Built: 1964 Registry Status: Not Determined	
JM2154 **NE** **1/2-1 mi** **5156**	**Not Reported** **28404 MILITARY RD S** **Federal Way, WA**	**WAI201600063802** **WA HPI**
	Historic ID: 312776 Tax Parcel ID: 3322049096 Year Built: 1948 Registry Status: Not Determined	
JZ2155 **SW** **1/2-1 mi** **5157**	**Not Reported** **31023 8TH AVE S** **Federal Way, WA**	**WAI201600131568** **WA HPI**
	Historic ID: 398221 Tax Parcel ID: 0821049045 Year Built: 1961 Registry Status: Not Determined	
JT2156 **WSW** **1/2-1 mi** **5158**	**Not Reported** **30414 3RD AVE S** **Federal Way, WA**	**WAI201600064616** **WA HPI**
	Historic ID: 317456 Tax Parcel ID: 2329700460 Year Built: 1966 Registry Status: Not Determined	
JR2157 **NW** **1/2-1 mi** **5159**	**Not Reported** **28448 4TH PL S** **Des Moines, WA**	**WAI201600425325** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 398639
Tax Parcel ID: 7203600740
Year Built: 1928
Registry Status: Not Determined

JG2158
NW
1/2-1 mi
5159

Not Reported
28614 SOUND VIEW DR S
Des Moines, WA

WAI201600417129
WA HPI

Historic ID: 394018
Tax Parcel ID: 7203600460
Year Built: 1928
Registry Status: Not Determined

JG2159
NW
1/2-1 mi
5159

Not Reported
28604 SOUND VIEW DR S
Des Moines, WA

WAI201600351653
WA HPI

Historic ID: 307338
Tax Parcel ID: 7203600445
Year Built: 1946
Registry Status: Not Determined

JG2160
NW
1/2-1 mi
5159

Not Reported
28608 4TH PL S
Des Moines, WA

WAI201600416513
WA HPI

Historic ID: 392832
Tax Parcel ID: 7203600450
Year Built: 1962
Registry Status: Not Determined

2161
NW
1/2-1 mi
5165

Not Reported
28620 SOUND VIEW DR S
Des Moines, WA

WAI201600315435
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	390746	
	Tax Parcel ID:	7203600420	
	Year Built:	1920	
	Registry Status:	Not Determined	
JT2162 **WSW** **1/2-1 mi** **5163**	**Not Reported** **226 S 304TH PL** **Federal Way, WA**		**WAI201600214626** **WA HPI**
	Historic ID:	325553	
	Tax Parcel ID:	2329700030	
	Year Built:	1965	
	Registry Status:	Not Determined	
JO2163 **WSW** **1/2-1 mi** **5164**	**Not Reported** **30210 1ST PL S** **Federal Way, WA**		**WAI201600062580** **WA HPI**
	Historic ID:	307397	
	Tax Parcel ID:	3391800340	
	Year Built:	1961	
	Registry Status:	Not Determined	
JI2164 **NW** **1/2-1 mi** **5165**	**Not Reported** **28624 SOUND VIEW DR S** **Des Moines, WA**		**WAI201600210796** **WA HPI**
	Historic ID:	314937	
	Tax Parcel ID:	7203600475	
	Year Built:	1918	
	Registry Status:	Not Determined	
JR2165 **NW** **1/2-1 mi** **5165**	**Not Reported** **28446 4TH PL S** **Des Moines, WA**		**WAI201600495660** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 311256 Tax Parcel ID: 7203600735 Year Built: 1943 Registry Status: Not Determined	
JK2166 **NE** **1/2-1 mi** **5164**	**Not Reported** **28601 27TH PL S** **Federal Way, WA**	**WAI201600215297** **WA HPI**
	Historic ID: 328395 Tax Parcel ID: 7466900350 Year Built: 1962 Registry Status: Not Determined	
2167 **SSW** **1/2-1 mi** **5166**	**Not Reported** **31205 10TH AVE S** **Federal Way, WA**	**WAI201600416081** **WA HPI**
	Historic ID: 390421 Tax Parcel ID: 7875000010 Year Built: 1957 Registry Status: Not Determined	
JP2168 **SSW** **1/2-1 mi** **5167**	**Not Reported** **1140 S 313TH ST** **Federal Way, WA**	**WAI201600425456** **WA HPI**
	Historic ID: 398865 Tax Parcel ID: 7875400065 Year Built: 1958 Registry Status: Not Determined	
JY2169 **NNE** **1/2-1 mi** **5167**	**Not Reported** **2210 S 283RD ST** **Federal Way, WA**	**WAI201600025773** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 391185 Tax Parcel ID: 4222200460 Year Built: 1968 Registry Status: Not Determined	
JT2170 WSW 1/2-1 mi 5170	**Not Reported 30242 2ND AVE S Federal Way, WA**	**WAI201600496715 WA HPI**
	Historic ID: 314875 Tax Parcel ID: 3391800280 Year Built: 1962 Registry Status: Not Determined	
KA2171 SE 1/2-1 mi 5167	**Not Reported 31011 26TH AVE S Federal Way, WA**	**WAI201600211652 WA HPI**
	Historic ID: 318153 Tax Parcel ID: 7984400185 Year Built: 1959 Registry Status: Not Determined	
JI2172 NW 1/2-1 mi 5170	**Not Reported 28638 SOUND VIEW DR S Des Moines, WA**	**WAI201600417195 WA HPI**
	Historic ID: 394179 Tax Parcel ID: 7203600490 Year Built: 1913 Registry Status: Not Determined	
JX2173 West 1/2-1 mi 5170	**Not Reported 29607 2ND PL S Federal Way, WA**	**WAI201600351763 WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 307543 Tax Parcel ID: 7183000110 Year Built: 1964 Registry Status: Not Determined	
2174 **NNW** **1/2-1 mi** **5171**	**Not Reported** **28057 13TH AVE S** **Des Moines, WA**	**WAI201600497431** **WA HPI**
	Historic ID: 317869 Tax Parcel ID: 3222049078 Year Built: 1951 Registry Status: Not Determined	
JY2175 **NNE** **1/2-1 mi** **5173**	**Not Reported** **2214 S 283RD ST** **Federal Way, WA**	**WAI201600207599** **WA HPI**
	Historic ID: 305519 Tax Parcel ID: 4222200450 Year Built: 1968 Registry Status: Not Determined	
JJ2176 **SW** **1/2-1 mi** **5175**	**Not Reported** **30464 3RD PL S** **Federal Way, WA**	**WAI201600212169** **WA HPI**
	Historic ID: 319137 Tax Parcel ID: 2329600190 Year Built: 1962 Registry Status: Not Determined	
JW2177 **SW** **1/2-1 mi** **5177**	**Not Reported** **30633 4TH AVE S** **Federal Way, WA**	**WAI201600214474** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 325214 Tax Parcel ID: 2329600170 Year Built: 1965 Registry Status: Not Determined	
2178 SSW 1/2-1 mi 5178	**Not Reported 806 S 312TH ST Federal Way, WA**	**WAI201600352430 WA HPI**
	Historic ID: 311913 Tax Parcel ID: 0821049027 Year Built: 1906 Registry Status: Not Determined	
JP2179 SSW 1/2-1 mi 5179	**Not Reported 31216 10TH AVE S Federal Way, WA**	**WAI201600496123 WA HPI**
	Historic ID: 313614 Tax Parcel ID: 7875400080 Year Built: 1956 Registry Status: Not Determined	
JM2180 NE 1/2-1 mi 5181	**Not Reported 28415 26TH AVE S Federal Way, WA**	**WAI201600130285 WA HPI**
	Historic ID: 395728 Tax Parcel ID: 7466900140 Year Built: 1961 Registry Status: Not Determined	
KB2181 East 1/2-1 mi 5184	**Not Reported 29617 32ND PL S , WA**	**WAI201600210649 WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	314603	
	Tax Parcel ID:	3876700100	
	Year Built:	1967	
	Registry Status:	Not Determined	
JS2182 **NE** **1/2-1 mi** **5183**	**Not Reported** **28618 27TH PL S** **Federal Way, WA**		**WAI201600211277** **WA HPI**
	Historic ID:	315887	
	Tax Parcel ID:	7466900380	
	Year Built:	1962	
	Registry Status:	Not Determined	
JJ2183 **WSW** **1/2-1 mi** **5185**	**Not Reported** **30443 3RD PL S** **Federal Way, WA**		**WAI201600417898** **WA HPI**
	Historic ID:	395642	
	Tax Parcel ID:	2329600100	
	Year Built:	1964	
	Registry Status:	Not Determined	
JT2184 **WSW** **1/2-1 mi** **5184**	**Not Reported** **30422 3RD AVE S** **Federal Way, WA**		**WAI201600213874** **WA HPI**
	Historic ID:	324051	
	Tax Parcel ID:	2329700450	
	Year Built:	1966	
	Registry Status:	Not Determined	
JR2185 **NW** **1/2-1 mi** **5187**	**Not Reported** **28436 4TH PL S** **Des Moines, WA**		**WAI201600064924** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	322582	
	Tax Parcel ID:	7203600720	
	Year Built:	1947	
	Registry Status:	Not Determined	
JR2186 **NW** **1/2-1 mi** **5188**	**Not Reported** **28430 4TH PL S** **Des Moines, WA**		**WAI201600352511** **WA HPI**
	Historic ID:	312089	
	Tax Parcel ID:	7203600715	
	Year Built:	1923	
	Registry Status:	Not Determined	
JO2187 **WSW** **1/2-1 mi** **5190**	**Not Reported** **140 S 302ND ST** **Federal Way, WA**		**WAI201600499231** **WA HPI**
	Historic ID:	321492	
	Tax Parcel ID:	3391800030	
	Year Built:	1961	
	Registry Status:	Not Determined	
KB2188 **East** **1/2-1 mi** **5192**	**Not Reported** **29609 32ND PL S** **, WA**		**WAI201600213176** **WA HPI**
	Historic ID:	321177	
	Tax Parcel ID:	3876700090	
	Year Built:	1967	
	Registry Status:	Not Determined	
JP2189 **SSW** **1/2-1 mi** **5197**	**Not Reported** **1134 S 313TH ST** **Federal Way, WA**		**WAI201600495020** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 309942 Tax Parcel ID: 7875400070 Year Built: 1959 Registry Status: Not Determined	
JQ2190 **SE** **1/2-1 mi** **5195**	**Not Reported** **30903 28TH AVE S** **Federal Way, WA**	**WAI201600127936** **WA HPI**
	Historic ID: 389550 Tax Parcel ID: 7984400030 Year Built: 1957 Registry Status: Not Determined	
JT2191 **WSW** **1/2-1 mi** **5199**	**Not Reported** **30248 2ND AVE S** **Federal Way, WA**	**WAI201600128214** **WA HPI**
	Historic ID: 390107 Tax Parcel ID: 3391800270 Year Built: 1962 Registry Status: Not Determined	
KB2192 **East** **1/2-1 mi** **5198**	**Not Reported** **29601 32ND PL S** **, WA**	**WAI201600208219** **WA HPI**
	Historic ID: 306705 Tax Parcel ID: 3876700080 Year Built: 1967 Registry Status: Not Determined	
JR2193 **NW** **1/2-1 mi** **5200**	**Not Reported** **28432 4TH PL S** **Des Moines, WA**	**WAI201600494295** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 306935 Tax Parcel ID: 7203600710 Year Built: 1923 Registry Status: Not Determined	
KC2194 **SSW** **1/2-1 mi** **5202**	**Not Reported** **31308 13TH AVE S** **Federal Way, WA**	**WAI201600213765** **WA HPI**
	Historic ID: 323847 Tax Parcel ID: 7875200015 Year Built: 1955 Registry Status: Not Determined	
KB2195 **East** **1/2-1 mi** **5201**	**Not Reported** **29543 32ND PL S** **, WA**	**WAI201600130022** **WA HPI**
	Historic ID: 395186 Tax Parcel ID: 3876700070 Year Built: 1967 Registry Status: Not Determined	
2196 **NW** **1/2-1 mi** **5205**	**Not Reported** **28726 SOUND VIEW DR S** **Des Moines, WA**	**WAI201600361126** **WA HPI**
	Historic ID: 328120 Tax Parcel ID: 7203600260 Year Built: 1924 Registry Status: Not Determined	
JQ2197 **SE** **1/2-1 mi** **5203**	**Not Reported** **2620 S 310TH ST** **Federal Way, WA**	**WAI201600500589** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	325805	
	Tax Parcel ID:	7984400075	
	Year Built:	1955	
	Registry Status:	Not Determined	
JL2198 **SSW** **1/2-1 mi** **5206**	**Not Reported** **31305 12TH PL S** **Federal Way, WA**		**WAI201600497689** **WA HPI**
	Historic ID:	318322	
	Tax Parcel ID:	7875200135	
	Year Built:	1955	
	Registry Status:	Not Determined	
JK2199 **NE** **1/2-1 mi** **5207**	**Not Reported** **28434 26TH AVE S** **Federal Way, WA**		**WAI201600418708** **WA HPI**
	Historic ID:	397213	
	Tax Parcel ID:	7466900220	
	Year Built:	1961	
	Registry Status:	Not Determined	
JO2200 **WSW** **1/2-1 mi** **5213**	**Not Reported** **30212 1ST PL S** **Federal Way, WA**		**WAI201600353983** **WA HPI**
	Historic ID:	322651	
	Tax Parcel ID:	3391800330	
	Year Built:	1961	
	Registry Status:	Not Determined	
JY2201 **NNE** **1/2-1 mi** **5215**	**Not Reported** **28203 22ND AVE S** **Federal Way, WA**		**WAI201600131753** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 398592 Tax Parcel ID: 4222300240 Year Built: 1969 Registry Status: Not Determined	
KB2202 **East** **1/2-1 mi** **5217**	**Not Reported** **29539 32ND PL S** **, WA**	**WAI201600062616** **WA HPI**
	Historic ID: 307433 Tax Parcel ID: 3876600040 Year Built: 1967 Registry Status: Not Determined	
KC2203 **South** **1/2-1 mi** **5218**	**Not Reported** **31314 13TH AVE S** **Federal Way, WA**	**WAI201600361004** **WA HPI**
	Historic ID: 327902 Tax Parcel ID: 7875200020 Year Built: 1955 Registry Status: Not Determined	
KD2204 **WSW** **1/2-1 mi** **5220**	**Not Reported** **30428 3RD AVE S** **Federal Way, WA**	**WAI201600209836** **WA HPI**
	Historic ID: 311436 Tax Parcel ID: 2329700440 Year Built: 1966 Registry Status: Not Determined	
JJ2205 **WSW** **1/2-1 mi** **5218**	**Not Reported** **30451 3RD PL S** **Federal Way, WA**	**WAI201600214898** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 326110 Tax Parcel ID: 2329600110 Year Built: 1965 Registry Status: Not Determined	
JX2206 West 1/2-1 mi 5225	**Not Reported 112 S 296TH PL Federal Way, WA**	**WAI201600209189 WA HPI**
	Historic ID: 310221 Tax Parcel ID: 7183000020 Year Built: 1964 Registry Status: Not Determined	
KE2207 East 1/2-1 mi 5223	**Not Reported 29529 32ND PL S , WA**	**WAI201600129966 WA HPI**
	Historic ID: 395037 Tax Parcel ID: 3876600030 Year Built: 1967 Registry Status: Not Determined	
2208 SE 1/2-1 mi 5226	**Not Reported 30812 28TH AVE S Federal Way, WA**	**WAI201600418018 WA HPI**
	Historic ID: 395858 Tax Parcel ID: 0921049075 Year Built: 1946 Registry Status: Not Determined	
JW2209 SW 1/2-1 mi 5226	**Not Reported 30641 4TH AVE S Federal Way, WA**	**WAI201600210385 WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 314057 Tax Parcel ID: 2329700260 Year Built: 1968 Registry Status: Not Determined	
KA2210 SE 1/2-1 mi 5227	**Not Reported 31017 26TH AVE S Federal Way, WA**	**WAI201600209259 WA HPI**
	Historic ID: 310291 Tax Parcel ID: 7984400190 Year Built: 1955 Registry Status: Not Determined	
JY2211 NNE 1/2-1 mi 5228	**Not Reported 2203 S 282ND ST Federal Way, WA**	**WAI201600352682 WA HPI**
	Historic ID: 312452 Tax Parcel ID: 4222300010 Year Built: 1968 Registry Status: Not Determined	
JM2212 NE 1/2-1 mi 5227	**Not Reported 2505 S 284TH ST Federal Way, WA**	**WAI201600209604 WA HPI**
	Historic ID: 311016 Tax Parcel ID: 3322049215 Year Built: 1963 Registry Status: Not Determined	
JM2213 NE 1/2-1 mi 5230	**Not Reported 28411 26TH AVE S Federal Way, WA**	**WAI201600026111 WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database

Historic ID: 391802
Tax Parcel ID: 7466900150
Year Built: 1962
Registry Status: Not Determined

JN2214
West
1/2-1 mi
5232

Not Reported
111 S 297TH PL
Federal Way, WA

WAI201600213398
WA HPI

Historic ID: 321586
Tax Parcel ID: 7764200140
Year Built: 1962
Registry Status: Not Determined

2215
West
1/2-1 mi
5232

Not Reported
132 S 295TH PL
Federal Way, WA

WAI201600211416
WA HPI

Historic ID: 317633
Tax Parcel ID: 5437210170
Year Built: 1947
Registry Status: Not Determined

2216
ESE
1/2-1 mi
5233

Not Reported
30301 32ND AVE S
, WA

WAI201600498832
WA HPI

Historic ID: 320709
Tax Parcel ID: 0421049243
Year Built: 1964
Registry Status: Not Determined

2217
South
1/2-1 mi
5234

Dana Plaza
31254 Pacific Hwy S
Federal Way, WA 98003

WAI201600323715
WA HPI

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	674119	
	Tax Parcel ID:	0921049265	
	Year Built:	1961	
	Registry Status:	Determined Not Eligible	
JZ2218 **SSW** **1/2-1 mi** **5236**	**Not Reported** **810 S 312TH ST** **Federal Way, WA**		**WAI201600391919** **WA HPI**
	Historic ID:	338703	
	Tax Parcel ID:	0821049150	
	Year Built:	1964	
	Registry Status:	Not Determined	
KE2219 **East** **1/2-1 mi** **5237**	**Not Reported** **29523 32ND PL S** **, WA**		**WAI201600065530** **WA HPI**
	Historic ID:	326875	
	Tax Parcel ID:	3876600020	
	Year Built:	1967	
	Registry Status:	Not Determined	
JT2220 **WSW** **1/2-1 mi** **5241**	**Not Reported** **218 S 304TH PL** **Federal Way, WA**		**WAI201600025784** **WA HPI**
	Historic ID:	391196	
	Tax Parcel ID:	3391900070	
	Year Built:	1962	
	Registry Status:	Not Determined	
JS2221 **NE** **1/2-1 mi** **5242**	**Not Reported** **28608 27TH PL S** **Federal Way, WA**		**WAI201600065368** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 323501 Tax Parcel ID: 7466900370 Year Built: 1962 Registry Status: Not Determined	
JQ2222 SE 1/2-1 mi 5244	**Not Reported 30911 28TH AVE S Federal Way, WA**	**WAI201600351237 WA HPI**
	Historic ID: 303704 Tax Parcel ID: 7984400035 Year Built: 1954 Registry Status: Not Determined	
JY2223 NNE 1/2-1 mi 5247	**Not Reported 2209 S 282ND ST Federal Way, WA**	**WAI201600316025 WA HPI**
	Historic ID: 391906 Tax Parcel ID: 4222300020 Year Built: 1969 Registry Status: Not Determined	
JW2224 SW 1/2-1 mi 5248	**Not Reported 333 S 306TH PL Federal Way, WA**	**WAI201600064326 WA HPI**
	Historic ID: 316879 Tax Parcel ID: 2329600160 Year Built: 1965 Registry Status: Not Determined	
JT2225 WSW 1/2-1 mi 5247	**Not Reported 30405 3RD AVE S Federal Way, WA**	**WAI201600212864 WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 320486 Tax Parcel ID: 2329700040 Year Built: 1966 Registry Status: Not Determined	
KE2226 **East** **1/2-1 mi** **5250**	**Not Reported** **29515 32ND PL S** **, WA**	**WAI201600426243** **WA HPI**
	Historic ID: 400412 Tax Parcel ID: 3876600010 Year Built: 1967 Registry Status: Not Determined	
JP2227 **SSW** **1/2-1 mi** **5250**	**Not Reported** **31224 10TH AVE S** **Federal Way, WA**	**WAI201600499045** **WA HPI**
	Historic ID: 321112 Tax Parcel ID: 7875400075 Year Built: 1956 Registry Status: Not Determined	
JR2228 **NW** **1/2-1 mi** **5254**	**Not Reported** **417 S 284TH ST** **Des Moines, WA**	**WAI201600494418** **WA HPI**
	Historic ID: 308667 Tax Parcel ID: 7203600570 Year Built: 1918 Registry Status: Not Determined	
JU2229 **NE** **1/2-1 mi** **5252**	**Not Reported** **2904 S 288TH ST** **Federal Way, WA**	**WAI201600354674** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 327043 Tax Parcel ID: 3322049125 Year Built: 1965 Registry Status: Not Determined	
JL2230 **SSW** **1/2-1 mi** **5253**	**Not Reported** **1225 S 313TH ST** **Federal Way, WA**	**WAI201600352137** **WA HPI**
	Historic ID: 308302 Tax Parcel ID: 7875400150 Year Built: 1956 Registry Status: Not Determined	
JT2231 **WSW** **1/2-1 mi** **5253**	**Not Reported** **30263 2ND AVE S** **Federal Way, WA**	**WAI201600209618** **WA HPI**
	Historic ID: 311030 Tax Parcel ID: 3391800260 Year Built: 1961 Registry Status: Not Determined	
JQ2232 **SE** **1/2-1 mi** **5255**	**Not Reported** **2628 S 310TH ST** **Federal Way, WA**	**WAI201600353942** **WA HPI**
	Historic ID: 322610 Tax Parcel ID: 7984400070 Year Built: 1957 Registry Status: Not Determined	
KD2233 **WSW** **1/2-1 mi** **5253**	**Not Reported** **30436 3RD AVE S** **Federal Way, WA**	**WAI201600128879** **WA HPI**

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)			EDR ID Database
	Historic ID:	392927	
	Tax Parcel ID:	2329700430	
	Year Built:	1966	
	Registry Status:	Not Determined	
2234 **NE** **1/2-1 mi** **5257**	**Not Reported** **28426 26TH AVE S** **Federal Way, WA**		**WAI201600497966** **WA HPI**
	Historic ID:	318886	
	Tax Parcel ID:	7466900210	
	Year Built:	1962	
	Registry Status:	Not Determined	
KC2235 **South** **1/2-1 mi** **5258**	**Not Reported** **31320 13TH AVE S** **Federal Way, WA**		**WAI201600213281** **WA HPI**
	Historic ID:	321376	
	Tax Parcel ID:	7875200025	
	Year Built:	1955	
	Registry Status:	Not Determined	
JN2236 **West** **1/2-1 mi** **5259**	**Not Reported** **29808 1ST AVE S** **Federal Way, WA**		**WAI201600062384** **WA HPI**
	Historic ID:	307013	
	Tax Parcel ID:	0521049130	
	Year Built:	1964	
	Registry Status:	Not Determined	
JW2237 **WSW** **1/2-1 mi** **5259**	**Not Reported** **30457 3RD PL S** **Federal Way, WA**		**WAI201600500406** **WA HPI**

HISTORIC SITES MAP FINDINGS

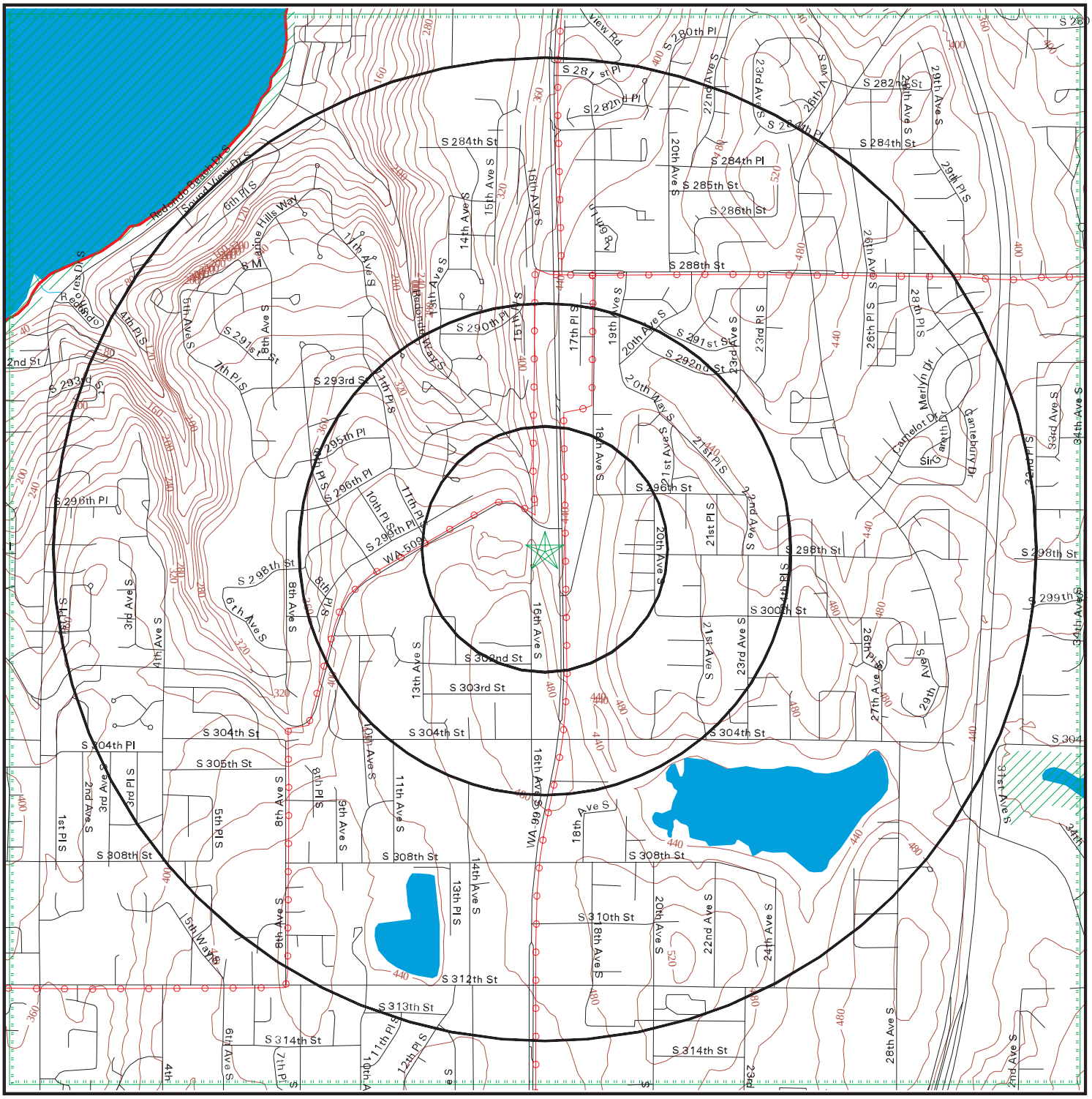
Map ID Direction Distance Distance (ft.)		EDR ID Database
	Historic ID: 325432 Tax Parcel ID: 2329600120 Year Built: 1964 Registry Status: Not Determined	
JV2238 SE 1/2-1 mi 5262	**Not Reported 30802 28TH AVE S Federal Way, WA**	**WAI201600025899 WA HPI**
	Historic ID: 391404 Tax Parcel ID: 0921049251 Year Built: 1954 Registry Status: Not Determined	
KE2239 East 1/2-1 mi 5263	**Not Reported 29507 32ND PL S , WA**	**WAI201600498456 WA HPI**
	Historic ID: 319948 Tax Parcel ID: 3876500270 Year Built: 1967 Registry Status: Not Determined	
KA2240 SE 1/2-1 mi 5263	**Not Reported 31000 26TH AVE S Federal Way, WA**	**WAI201600208780 WA HPI**
	Historic ID: 309340 Tax Parcel ID: 7984400125 Year Built: 1956 Registry Status: Not Determined	

UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:	Status EDR ID Database

No unmapped sites were found in EDR's search of available government records.

Flood Plain Map



SITE NAME:	CF Federal Way LLC	CLIENT:	TGE Resources, Inc.
ADDRESS:	29805 Pacific Hwy S FEDERAL WAY WA 98003	CONTACT:	Gwen Younts
		INQUIRY #:	6082624.14s
LAT/LONG:	47.335234 / 122.312776	DATE:	June 4, 2020

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FLOOD PLAIN MAP FINDINGS

Source: FEMA FIRM Flood Data, FEMA Q3 Flood Data

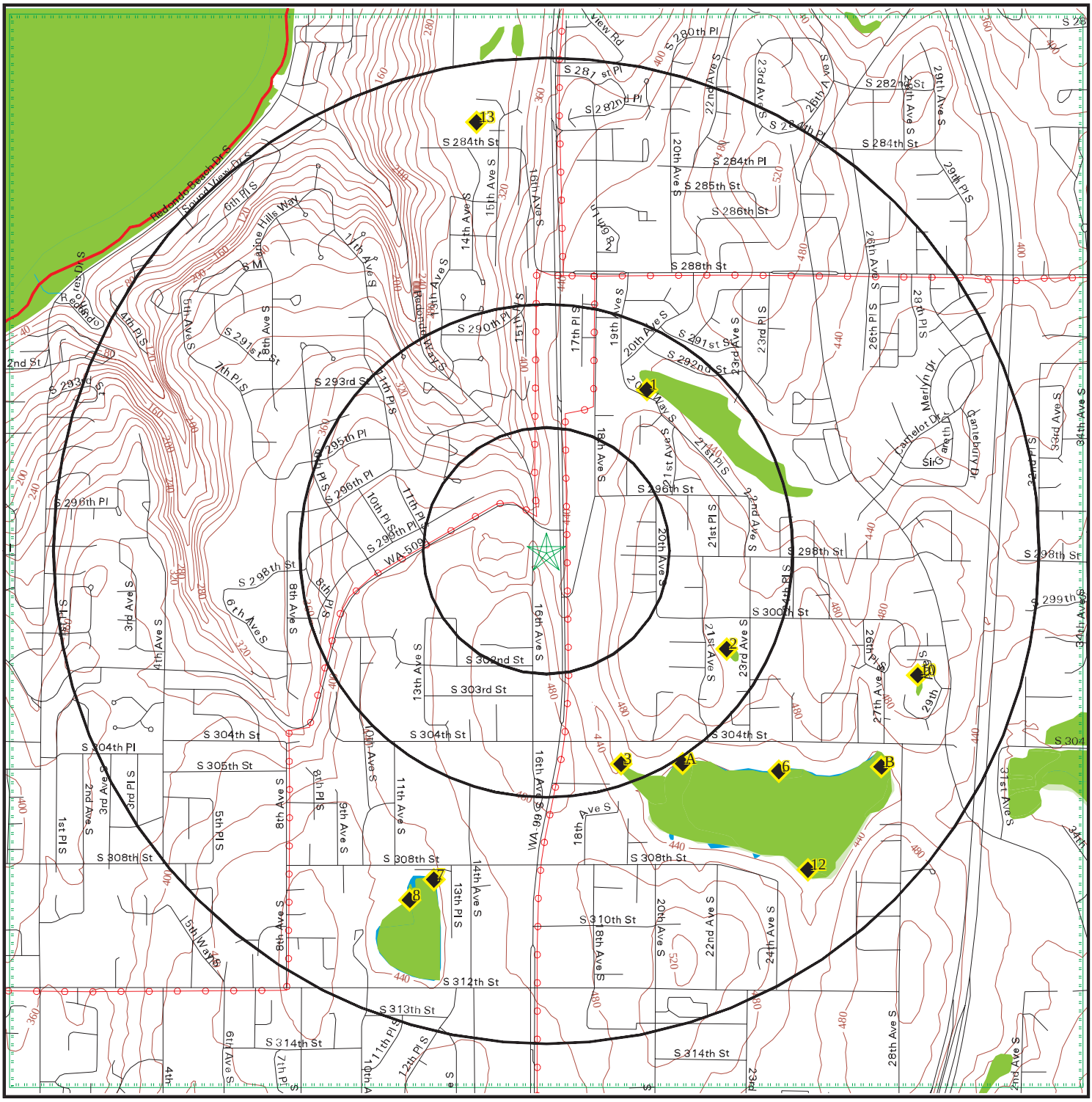
Flood Panel Number	**FEMA Source Type**

Flood Plain panel at target property:
53033C1235F (FEMA Q3 Flood data)

Additional Flood Plain panel(s) in search area:
53033C1250F (FEMA Q3 Flood data)

Map ID Direction Distance Distance (ft.)	Description	Database

Wetlands Map



SITE NAME:	CF Federal Way LLC	CLIENT:	TGE Resources, Inc.
ADDRESS:	29805 Pacific Hwy S FEDERAL WAY WA 98003	CONTACT:	Gwen Younts
		INQUIRY #:	6082624.14s
LAT/LONG:	47.335234 / 122.312776	DATE:	June 4, 2020

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WETLANDS MAP FINDINGS

Source: Fish and Wildlife Service NWI data

NWI hardcopy map at target property: Poverty Bay
Additional NWI hardcopy map(s) in search area:
Not reported in source data

Map ID Direction Distance Distance (ft.)	Code and Description*	Database
1 NNE 1/4-1/2 mi 2035	PSSC [P] Palustrine [SS] Scrub Shrub [C] Seasonally Flooded Lat/Lon: 47.339966 / -122.308418	NWI
2 ESE 1/4-1/2 mi 2203	PUBHx [P] Palustrine [UB] Unconsolidated Bottom [H] Permanently Flooded [x] Excavated Lat/Lon: 47.332344 / -122.304970	NWI
3 SSE 1/4-1/2 mi 2419	PSS/FOC [P] Palustrine [SS] Scrub Shrub / [FO] Forested [C] Seasonally Flooded Lat/Lon: 47.328972 / -122.309540	NWI
A4 SSE 1/2-1 mi 2684	L2ABH [L] Lacustrine [2] Littoral [AB] Aquatic Bed [H] Permanently Flooded Lat/Lon: 47.328888 / -122.307289	NWI
A5 SE 1/2-1 mi 2731	L1UBH [L] Lacustrine [1] Limnetic [UB] Unconsolidated Bottom [H] Permanently Flooded Lat/Lon: 47.329082 / -122.306488	NWI
6 SE 1/2-1 mi 3435	L2ABH [L] Lacustrine [2] Littoral [AB] Aquatic Bed [H] Permanently Flooded Lat/Lon: 47.328758 / -122.302711	NWI
7 SSW 1/2-1 mi 3721	PUBHx [P] Palustrine [UB] Unconsolidated Bottom [H] Permanently Flooded [x] Excavated Lat/Lon: 47.325573 / -122.317627	NWI
8 SSW 1/2-1 mi 4015	PEMC [P] Palustrine [EM] Emergent [C] Seasonally Flooded Lat/Lon: 47.324978 / -122.318672	NWI

*See Wetland Classification System for additional information.

WETLANDS MAP FINDINGS

Map ID Direction Distance Distance (ft.)	Code and Description*	Database
B9 ESE 1/2-1 mi 4135	L2ABH [L] Lacustrine [2] Littoral [AB] Aquatic Bed [H] Permanently Flooded Lat/Lon: 47.329227 / -122.298622	NWI
10 ESE 1/2-1 mi 4196	PUBHx [P] Palustrine [UB] Unconsolidated Bottom [H] Permanently Flooded [x] Excavated Lat/Lon: 47.331581 / -122.296715	NWI
B11 ESE 1/2-1 mi 4409	L2ABH [L] Lacustrine [2] Littoral [AB] Aquatic Bed [H] Permanently Flooded Lat/Lon: 47.328548 / -122.297951	NWI
12 SE 1/2-1 mi 4420	L2ABH [L] Lacustrine [2] Littoral [AB] Aquatic Bed [H] Permanently Flooded Lat/Lon: 47.325863 / -122.301460	NWI
13 North 1/2-1 mi 4650	PUBHx [P] Palustrine [UB] Unconsolidated Bottom [H] Permanently Flooded [x] Excavated Lat/Lon: 47.347820 / -122.315781	NWI

*See Wetland Classification System for additional information.

WETLANDS CLASSIFICATION SYSTEM

National Wetland Inventory Maps are produced by the U.S. Fish and Wildlife Service, a sub-department of the U.S. Department of the Interior. In 1974, the U.S. Fish and Wildlife Service developed a criteria for wetland classification with four long range objectives:

- to describe ecological units that have certain homogeneous natural attributes,
- to arrange these units in a system that will aid decisions about resource management,
- to furnish units for inventory and mapping, and
- to provide uniformity in concepts and terminology throughout the U.S.

High altitude infrared photographs, soil maps, topographic maps and site visits are the methods used to gather data for the productions of these maps. In the infrared photos, wetlands appear as different colors and these wetlands are then classified by type. Using a hierarchical classification, the maps identify wetland and deepwater habitats according to:

- system
- subsystem
- class
- subclass
- modifiers

(as defined by Cowardin, et al. U.S. Fish and Wildlife Service FWS/OBS 79/31. 1979.)

The classification system consists of five systems:

1. marine
2. estuarine
3. riverine
4. lacustrine
5. palustrine

The marine system consists of deep water tidal habitats and adjacent tidal wetlands. The riverine system consists of all wetlands contained within a channel. The lacustrine systems includes all nontidal wetlands related to swamps, bogs & marshes. The estuarine system consists of deepwater tidal habitats and where ocean water is diluted by fresh water. The palustrine system includes nontidal wetlands dominated by trees and shrubs and where salinity is below .5% in tidal areas. All of these systems are divided in subsystems and then further divided into class.

National Wetland Inventory Maps are produced by transferring gathered data on a standard 7.5 minute U.S.G.S. topographic map. Approximately 52 square miles are covered on a National Wetland Inventory map at a scale of 1:24,000. Electronic data is compiled by digitizing these National Wetland Inventory Maps.

SYSTEM **MARINE**

SUBSYSTEM **1 - SUBTIDAL** **2 - INTERTIDAL**

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	RF-REEF	OW-OPEN WATER / Unknown Bottom	AB-AQUATIC BED	RF-REEF	RS-ROCKY SHORE	US-UNCONSOLIDATED SHORE
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 3 Rooted Vascular 5 Unknown Submergent	1 Coral 3 Worm		1 Algal 3 Rooted Vascular 5 Unknown Submergent	1 Coral 3 Worm	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic

SYSTEM **E - ESTUARINE**

SUBSYSTEM **1 - SUBTIDAL**

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	RF-REEF	OW-OPEN WATER / Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	2 Mollusk 3 Worm	

SUBSYSTEM **2 - INTERTIDAL**

CLASS	AB-AQUATIC BED	RF-REEF	SB - STREAMBED	RS-ROCKY SHORE	US-UNCONSOLIDATED SHORE	EM-EMERGENT	SS-SCRUB SHRUB	FO-FORESTED
Subclass	1 Algal 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	2 Mollusk 3 Worm	1 Cobble- Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Rubble	1 Cobble- Gravel 2 Sand 3 Mud 4 Organic	1 Persistent 2 Nonpersistent	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen

SYSTEM — **R - RIVERINE**

SUBSYSTEM	**1 - TIDAL**	**2 - LOWER PERENNIAL**	**3 - UPPER PERENNIAL**	**4 - INTERMITTENT**	**5 - UNKNOWN PERENNIAL**
CLASS	RB-ROCK BOTTOM UB-UNCONSOLIDATED BOTTOM *SB-STREAMBED AB-AQUATIC BED RS-ROCKY SHORE US-UNCONSOLIDATED SHORE **EM-EMERGENT OW-OPEN WATER/ Unknown Bottom				
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Rubble 3 Cobble-Gravel 4 Sand 5 Mud 6 Organic 7 Vegetated	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated	2 Nonpersistent

* STREAMBED is limited to TIDAL and INTERMITTENT SUBSYSTEMS, and comprises the only CLASS in the INTERMITTENT SUBSYSTEM.
**EMERGENT is limited to TIDAL and LOWER PERENNIAL SUBSYSTEMS.

SYSTEM — **L - LACUSTRINE**

SUBSYSTEM — **1 - LIMNETIC**

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	OW-OPEN WATER/ Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	

SUBSYSTEM — **2 - LITTORAL**

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	RS-ROCKY SHORE	US-UNCONSOLIDATED SHORE	EM-EMERGENT	OW-OPEN WATER/ Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated	2 Nonpersistent	

SUBSYSTEM — **P - PALUSTRINE**

CLASS	RB--ROCK BOTTOM	UB--UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	US--UNCONSOLIDATED SHORE	ML--MOSS-LICHEN	EM--EMERGENT	SS--SCRUB-SHRUB	FO--FORESTED	OW-OPEN WATER/ Unknown
Bottom									
Subclass	1 Bedrock 2 Rubble 3 Mud 4 Organic	1 Cobble-Gravel 2 Sand	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated	1 Moss 2 Lichen	1 Persistent 2 Nonpersistent	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Dead 6Deciduous 7 Evergreen	

MODIFIERS

In order to more adequately describe wetland and deepwater habitats one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The farmed modifier may also be applied to the ecological system.

WATER REGIME

Non-Tidal

A Temporarily Flooded
B Saturated
C Seasonally Flooded
D Seasonally Flooded/ Well Drained
E Seasonally Flooded/ Saturated
F Semipermanently Flooded
G Intermittently Exposed

Tidal

H Permanently Flooded
J Intermittently Flooded
K Artificially Flooded
W Intermittently Flooded/Temporary
Y Saturated/Semipermanent/ Seasonal
Z Intermittently Exposed/Permanent
U Unknown

CoastalHalinityInlandSalinitypHModifiersfor all Fresh Water

K Artificially Flooded
L Subtidal
M Irregularly Exposed
N Regularly Flooded
P Irregularly Flooded

*S Temporary-Tidal
*R Seasonal-Tidal
*T Semipermanent -Tidal
V Permanent -Tidal
U Unknown

*These water regimes are only used in tidally influenced, freshwater systems.

WATER CHEMISTRY

1 Hyperhaline
2 Euhaline
3 Mixohaline (Brackish)
4 Polyhaline
5 Mesohaline
6 Oligohaline
0 Fresh

7 Hypersaline
8 Eusaline
9 Mixosaline
0 Fresh

a Acid
t Circumneutral
i Alkaline

SOIL

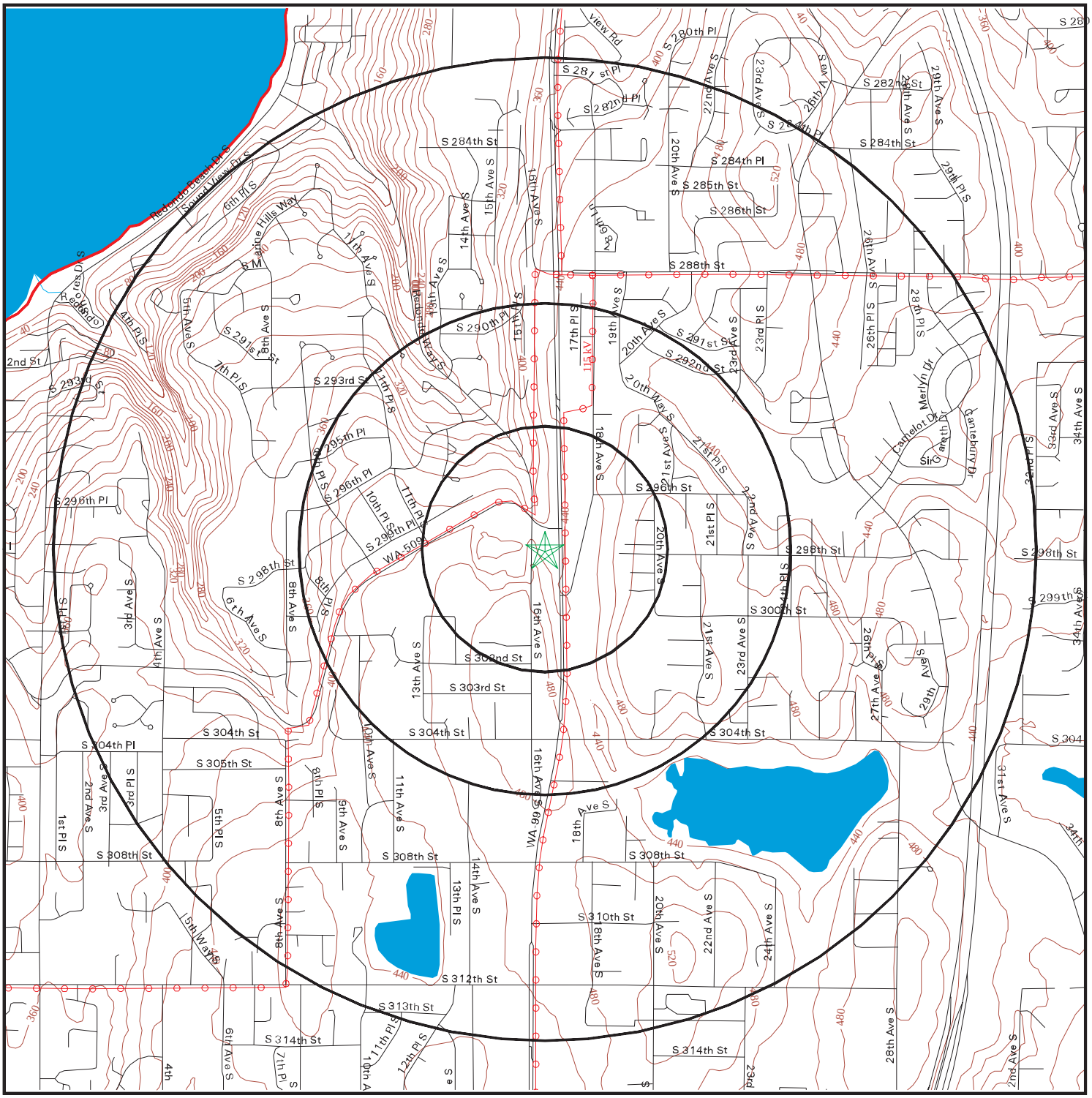
g Organic
n Mineral

SPECIAL MODIFIERS

b Beaver
d Partially Drained/Ditched
f Farmed
h Diked/Impounded
r Artificial Substrate
s Spoil
x Excavated

Source: U.S. Department of the Interior
Fish and Wildlife Service
National Wetlands Inventory

FCC & FAA Sites Map



SITE NAME: CF Federal Way LLC	CLIENT: TGE Resources, Inc.
ADDRESS: 29805 Pacific Hwy S FEDERAL WAY WA 98003	CONTACT: Gwen Younts
LAT/LONG: 47.335234 / 122.312776	INQUIRY #: 6082624.14s DATE: June 4, 2020

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FCC & FAA SITES MAP FINDINGS
TOWERS

Map ID Direction Distance Distance (ft.)	EDR ID Database

No Sites Reported.

FCC & FAA SITES MAP FINDINGS
AIRPORTS

EDR ID
Database

No Sites Reported.

FCC & FAA SITES MAP FINDINGS
POWERLINES

EDR ID
Database

145648
POWERLINES

Voltage:	115
Range:	Not Reported
Hi voltage:	0
Volt cat:	70-138 kV
Type:	Alternating current
Status:	Active
Corridor:	Single line
Owner:	Puget Energy Inc
Owner id:	PUGETNRG
Num owners:	Single Owner
Operator:	Puget Sound Energy Inc.
Operator id:	PUGETENG
Last owner:	Puget Sound Energy Inc.
Last own id:	PUGETENG
Last oper:	Not Reported
Last oper id:	Not Reported
Mileage:	1.6312654

146721
POWERLINES

Voltage:	115
Range:	Not Reported
Hi voltage:	0
Volt cat:	70-138 kV
Type:	Alternating current
Status:	Active
Corridor:	Single line
Owner:	Puget Energy Inc
Owner id:	PUGETNRG
Num owners:	Single Owner
Operator:	Puget Sound Energy Inc.
Operator id:	PUGETENG
Last owner:	Puget Sound Energy Inc.
Last own id:	PUGETENG
Last oper:	Not Reported
Last oper id:	Not Reported
Mileage:	3.1986256499999999

146720
POWERLINES

Voltage:	115
Range:	Not Reported
Hi voltage:	0
Volt cat:	70-138 kV
Type:	Alternating current

FCC & FAA SITES MAP FINDINGS
POWERLINES

EDR ID
Database

Status:	Active
Corridor:	Single line
Owner:	Puget Energy Inc
Owner id:	PUGETNRG
Num owners:	Single Owner
Operator:	Puget Sound Energy Inc.
Operator id:	PUGETENG
Last owner:	Puget Sound Energy Inc.
Last own id:	PUGETENG
Last oper:	Not Reported
Last oper id:	Not Reported
Mileage:	.29962227000000002

150854
POWERLINES

Voltage:	115
Range:	Not Reported
Hi voltage:	0
Volt cat:	70-138 kV
Type:	Alternating current
Status:	Active
Corridor:	Single line
Owner:	Puget Energy Inc
Owner id:	PUGETNRG
Num owners:	Single Owner
Operator:	Puget Sound Energy Inc.
Operator id:	PUGETENG
Last owner:	Puget Sound Energy Inc.
Last own id:	PUGETENG
Last oper:	Not Reported
Last oper id:	Not Reported
Mileage:	1.6576556899999999

146719
POWERLINES

Voltage:	115
Range:	Not Reported
Hi voltage:	0
Volt cat:	70-138 kV
Type:	Alternating current
Status:	Active
Corridor:	Single line
Owner:	Puget Energy Inc
Owner id:	PUGETNRG
Num owners:	Single Owner
Operator:	Puget Sound Energy Inc.
Operator id:	PUGETENG

FCC & FAA SITES MAP FINDINGS
POWERLINES

EDR ID
Database

Last owner:	Puget Sound Energy Inc.
Last own id:	PUGETENG
Last oper:	Not Reported
Last oper id:	Not Reported
Mileage:	2.0174285599999999

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Various Federal laws and executive orders address specific environmental concerns. NEPA requires the responsible offices to integrate to the greatest practical extent the applicable procedures required by these laws and executive orders. EDR provides key contacts at agencies charged with implementing these laws and executive orders to supplement the information contained in this report.

NATURAL AREAS
Wilderness Areas
Government Records Searched in This Report

FED_LAND: Federal Lands
Source: USGS
Telephone: 703-648-5094
Federal data from Bureau of Land Management, National Park Service, Forest Service, and Fish and Wildlife Service.
- National Parks
- Forests
- Monuments
- Wildlife Sanctuaries, Preserves, Refuges
- Federal Wilderness Areas.

Date of Government Version: 12/31/2005

US NWP: National Wilderness Preservation System
This map layer consists of National Wilderness Preservation System areas of 320 acres or more, in the United States, Puerto Rico, and the U.S. Virgin Islands. Some established wilderness areas which are larger than 320 acres are not included in this map layer because their boundaries were not available from the owning or administering agency.
Source: U.S. Geological Survey.
Telephone: 888-275-8747

Federal Contacts for Additional Information

National Park Service, Pacific West Region
600 Harrison Street, Suite 600
San Francisco, CA 94107
415-427-1300

USDA Forest Service, Pacific Northwest
333 SW First Street P.O. Box 3623
Portland, OR 97208
503-326-3865

BLM - Oregon State Office
1515 SW 5th Ave.
Portland, OR 92208-2965
503-952-6002

Fish & Wildlife Service, Fish & Wildlife Region 1
Eastside Federal Complex 911 NE 11th Avenue
Portland, OR 97232-4181
503-231-6188

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Wildlife Preserves, Sanctuaries and Refuges
Government Records Searched in This Report

FED_LAND: Federal Lands
Source: USGS
Telephone: 703-648-5094
Federal data from Bureau of Land Management, National Park Service, Forest Service, and Fish and Wildlife Service.
- National Parks
- Forests
- Monuments
- Wildlife Sanctuaries, Preserves, Refuges
- Federal Wilderness Areas.

Date of Government Version: 12/31/2005

US Scenic River: National Wild and Scenic River System
National Wild and Scenic Rivers System
Source: USGS National Atlas and the Interagency Wild and Scenic River Coordinating Council.
Telephone: 509-546-8333

US ACEC: Areas of Critical Environmental Concern Designated Polygons
The designated ACECs are "areas within the public lands where special management attention is required to protect and prevent irreparable damage to important historic, cultural, or scenic values, fish and wildlife resources or other natural systems of processes, or to protect life and safety from natural hazards
Source: Bureau of Land Management.
Telephone: 202-912-7352

US Critical Water Habitat: US Critical Water Habitat
When a species is proposed for listing as endangered or threatened under the Endangered Species Act, the U.S. Fish and Wildlife Service must consider whether there are areas of habitat believed to be essential the species conservation. Those areas may be proposed for designation as critical habitat. Critical habitat is a term defined and used in the Act.
Source: US Fish & Wildlife Services.
Telephone: 970-226-9468

US Critical Land Habitat: US Critical Land Habitat
When a species is proposed for listing as endangered or threatened under the Endangered Species Act, the U.S. Fish and Wildlife Service must consider whether there are areas of habitat believed to be essential the species conservation. Those areas may be proposed for designation as critical habitat. Critical habitat is a term defined and used in the Act.
Source: US Fish & Wildlife Services.
Telephone: 970-226-9468

US Proclamation Boundaries: US Proclamation Boundaries
Approved, Proclamation or Extent Boundary
Source: USGS.
Telephone: 208-301-8288

US NCED: National Conservation Easement Database
NCED shows a comprehensive picture of privately owned conservation easement lands in the U.S. The NCED will allow better strategic planning for conservation and development by merging data on land protection with biodiversity and resources, improving ecological and economic plans and investments.
Source: U.S Endowment for Forestry and Communities.
Telephone: 202-621-1647

WA Wildlife Areas: WA Wildlife Areas
The Washington State Department of Fish and Wildlife (WDFW) applies a hierarchy of administrative designations. Individual property acquisitions may be grouped to represent the lowest tier of a three-tier hierarchy, the Wildlife Area Unit. Wildlife Area Units can be grouped to create Wildlife Areas; and Wildlife Areas can be grouped to form Wildlife Area Complexes.
Source: Department of Fish and Wildlife.
Telephone: 360-902-2363

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

WA DNR Managed Lands: DNR Managed Lands
This dataset consists of parcels that are areas of land in which the Department of Natural Resources holds some interest and are located anywhere in the upland area of the State of Washington.
Source: Department of Natural Resources.
Telephone: 360-902-1206

WA Fish Distribution: StreamNet Database
StreamNet is a cooperative information management and data dissemination project focused on fisheries and aquatic related data and data related services in the Columbia River basin and the Pacific Northwest.
Source: Pacific States Marine Fisheries Commission.
Telephone: 503-595-3100

WA Fish Basin: StreamNet Database
StreamNet is a cooperative information management and data dissemination project focused on fisheries and aquatic related data and data related services in the Columbia River basin and the Pacific Northwest.
Source: Pacific States Marine Fisheries Commission.
Telephone: 503-595-3100

WA Major Public Lands: Major Public Lands
The NDMPL (Washington State Non-Department of Natural Resources Major Public Lands) data contains ownership parcels for Federal, State (excluding WA DNR), County and City lands within the State of Washington. It also includes Tribal administrative boundaries.
Source: Department of Natural Resources.
Telephone: 360-902-1222

Federal Contacts for Additional Information

Fish & Wildlife Service, Fish & Wildlife Region 1
Eastside Federal Complex 911 NE 11th Avenue
Portland, OR 97232-4181
503-231-6188

State Contacts for Additional Information

Dept. of Fish & Wildlife 360-902-2200

Wild and scenic rivers

Government Records Searched in This Report

FED_LAND: Federal Lands
Source: USGS
Telephone: 703-648-5094
Federal data from Bureau of Land Management, National Park Service, Forest Service, and Fish and Wildlife Service.
- National Parks
- Forests
- Monuments
- Wildlife Sanctuaries, Preserves, Refuges
- Federal Wilderness Areas.

Date of Government Version: 12/31/2005

Federal Contacts for Additional Information

Fish & Wildlife Service, Fish & Wildlife Region 1
Eastside Federal Complex 911 NE 11th Avenue
Portland, OR 97232-4181
503-231-6188

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Endangered Species

Government Records Searched in This Report

Federal Endangered Species by County: Threatened and Endangered Species Listing
Endangered, Threatened, Emergency Listing (Endangered), Emergency Listing (Threatened), Experimental Population (Essential), Experimental Population (Non-Essential), Similarity of Appearance (Endangered), Similarity of Appearance (Threatened).
Source: US Fish and Wildlife Services.
Telephone: 800-344-9453

WA Priority Habitats and Species List: Priority Habitats and Species List
The PHS List is a catalog of habitats and species considered to be priorities for conservation and management.
It includes Endangered Species, Grasslands and Oak Woodlands, and Northern Spotted Owl Habitat Management Areas.
Source: WA Natural Heritage Program.
Telephone: 360.902.1673

Federal Contacts for Additional Information

Fish & Wildlife Service, Fish & Wildlife Region 1
Eastside Federal Complex 911 NE 11th Avenue
Portland, OR 97232-4181
503-231-6188

State Contacts for Additional Information

Natural Heritage Program, Dept. of Natural Resources 360-902-1340

LANDMARKS, HISTORICAL, AND ARCHEOLOGICAL SITES
Historic Places

Government Records Searched in This Report

National Register of Historic Places:
The National Register of Historic Places is the official federal list of districts, sites, buildings, structures, and objects significant in American history, architecture, archeology, engineering, and culture. These contribute to an understanding of the historical and cultural foundations of the nation.
The National Register includes:
- All prehistoric and historic units of the National Park System;
- National Historic Landmarks, which are properties recognized by the Secretary of the Interior as possessing national significance; and
- Properties significant in American, state, or local prehistory and history that have been nominated by State Historic Preservation Officers, federal agencies, and others, and have been approved for listing by the National Park Service.

Date of Government Version: 07/19/2015

Potomac Heritage National Scenic Trail: Potomac Heritage National Scenic Trail
Source: Potomac Heritage NST Office.
Telephone: 304-535-4014

Natchez Trace National Scenic Trail: Natchez Trace National Scenic Trail
Source: Natchez Trace Parkway.
Telephone: 800-305-7417

US Trails: US Trails
This dataset contains a baseline inventory and condition assessment of all non-motorized trails on U.S. Fish and Wildlife Service lands as part of the National Trails Inventory Program conducted by the US Dept. of Transportation, Federal Highway Administration, Federal Lands Highway Division.
Source: U.S. Fish and Wildlife.
Telephone: 703-358-2205

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Indian Reservations: Indian Reservations
This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.
Source: USGS.
Telephone: 202-208-3710

WA Register Districts: Historic Places in Washington
This data is an inventory of National and/or State Register Listed Historic Districts on record at the Department of Archaeology and Historic Preservation and the National Park Service
Source: Office of Archaeology and Historic Preservation.
Telephone: 360-586-3064

WA Historic Register: Historic Places in Washington
This data is an inventory of National and/or State Register Listed Historic properties on record at the Department of Archaeology and Historic Preservation and the National Park Service
Source: Office of Archaeology and Historic Preservation.
Telephone: 360-586-3064

WA HPI: WA Historic Property Inventories in Washington
This data set contains thousands of records documenting historic properties across the state that meet the age criteria of being constructed 50 years or more in the past.
Source: Office of Archaeology and Historic Preservation.
Telephone: 360-586-3064

WA Historic Barns: Historic Places in Washington
These data represents barns on the Washington Heritage Barn Register and National Register, recorded with the Washington State Department of Archaeology and Historic Preservation.
Source: Office of Archaeology and Historic Preservation.
Telephone: 360-586-3064

WA Historic Sites: Historic Places in Washington
These data represents buffered Archaeological sites, National and State Register listed properties and Cultural Resource Survey reports recorded with the Washington State Department of Archaeology and Historic Preservation.
Source: Office of Community Development. Office of Archaeology and Historic Preservation
Telephone: 360-586-3064

Federal Contacts for Additional Information

Park Service; Advisory Council on Historic Preservation
1849 C Street NW
Washington, DC 20240
Phone: (202) 208-6843

State Contacts for Additional Information

Office of Archeology & Historic Preservation 360-407-0753

Indian Religious Sites

Government Records Searched in This Report

Indian Reservations:
This map layer portrays Indian administrated lands of the United States that have any area equal to or greater than 640 acres.
Source: USGS
Phone: 888-275-8747
Date of Government Version: 12/31/2005

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Federal Contacts for Additional Information

Department of the Interior- Bureau of Indian Affairs
Office of Public Affairs
1849 C Street, NW
Washington, DC 20240-0001
Office: 202-208-3711
Fax: 202-501-1516

National Association of Tribal Historic Preservation Officers
1411 K Street NW, Suite 700
Washington, DC 20005
Phone: 202-628-8476
Fax: 202-628-2241

State Contacts for Additional Information

A listing of local Tribal Leaders and Bureau of Indian Affairs Representatives can be found at:
http://www.doi.gov/bia/areas/agency.html

Portland Area Office, Bureau of Indian Affiars
911 N.E. 11th Avenue
Portland, OR 97232
503-231-6702

Spokane Tribe of Indians
P.O. Box 100
Wellpinit, WA 99040

Confederated Tribes of the Colville Reservation
P.O. Box 150
Nespelem, WA 99155

Scenic Trails

State Contacts for Additional Information

Pacific Crest Trail Association
5325 Elkhorn Boulevard, #256
Sacramento, California 95842
916-349-2109

FLOOD PLAIN, WETLANDS AND COASTAL ZONE

Flood Plain Management

Government Records Searched in This Report

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts Special Flood Hazard Areas (1%) and 0.2% Annual Chance of Flood Hazard as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Phone: 877-336-2627
Date of Government Version: 2015, 2003

Federal Contacts for Additional Information

Federal Emergency Management Agency 877-3362-627

State Contacts for Additional Information

State Military Department, Emergency Management 253-512-7000

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Wetlands Protection

Government Records Searched in This Report

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010, and 2015 from the U.S. Fish and Wildlife Service.
Source: U.S. Fish and Wildlife Service.
Phone: 608-238-9333
Date of Government Version: 05/28/2015

State Wetlands Data: Wetland Inventory
Source: Department of Ecology
Telephone: 360-407-6121

Federal Contacts for Additional Information

Fish & Wildlife Service 813-570-5412

State Contacts for Additional Information

Dept. of Fish & Wildlife 360-902-2200

Coastal Zone Management

Government Records Searched in This Report

CAMA Management Areas
Dept. of Env., Health & Natural Resources
919-733-2293

Federal Contacts for Additional Information

Office of Ocean and Coastal Resource Management
N/ORM, SSMC4
1305 East-West Highway
Silver Spring, Maryland 20910
301-713-3102

State Contacts for Additional Information

Shorelands & Env. Assistance Program, Dept. of Ecology 360-407-6600

Government Records Searched in This Report

WA Coastal Zone
Department of Ecology
360-407-6224

FCC & FAA SITES MAP

For NEPA actions that come under the authority of the FCC, the FCC requires evaluation of Antenna towers and/or supporting structures that are to be equipped with high intensity white lights which are to be located in residential neighborhoods, as defined by the applicable zoning law.

Government Records Searched in This Report

Cellular

Federal Communications Commission
445 12th Street, SW
Washington, DC 20554
888-225-5322

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Antenna Structure Registration
Federal Communications Commission
445 12th Street, SW
Washington, DC 20554
888-225-5322

AM Antenna
Federal Communications Commission
445 12th Street, SW
Washington, DC 20554
888-225-5322

FM Antenna
Federal Communications Commission
445 12th Street, SW
Washington, DC 20554
888-225-5322

FAA Digital Obstacle File
Federal Aviation Administration (FAA)
1305 East-West Highway, Station 5631
Silver Sprinng, MD 20910-3281
Telephone: 301-713-2817
Describes known obstacles of interest to aviation users in the US. Used by the Federal Aviation Administration (FAA) and the National Oceanic and Atmospheric Administration to manage the National Airspace System.

Airport Landing Facilities
Federal Aviation Administration
Telephone (800) 457-6656
Private and public use landing facilities.

Electric Power Transmission Line Data
PennWell Corporation
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Excessive Radio Frequency Emission
For NEPA actions that come under the authority of the FCC, Commission actions granting construction permits, licenses to transmit or renewals thereof, equipment authorizations or modifications in existing facilities, require the determination of whether the particular facility, operation or transmitter would cause human exposure to levels of radio frequency in excess of certain limits.

Federal Contacts for Additional Information
Office of Engineering and Technology
Federal Communications Commission
445 12th Street SW
Washington, DC 20554
Phone: 202-418-2470

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

OTHER CONTACT SOURCES

STREET AND ADDRESS INFORMATION

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Overview Map

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29805 PACIFIC HWY S FEDERAL WAY, WA 98003-4233

LOCATION ACCURACY: Excellent

Guaranteed Flood Zone Determination Report

Guaranteed Flood Zone Determination: Out

DETERMINATION DATE	2020-06-04T10:19:25-05:00	**ORIGINAL FIRM DATE**	1996-06-21
FLOOD ZONE	X	**ORDER NUMBER**	2006244687
COMMUNITY NAME	FEDERAL WAY, CITY OF	**COUNTY**	KING
STATE	WA	**COMMUNITY**	530322
PARTICIPATION STATUS	Regular	**MAP NUMBER**	53033C1235F
PANEL NUMBER	1235F	**PANEL DATE**	1995-05-16
LOMA DATE		**COBRA STATUS**	Out
COMMENTS			

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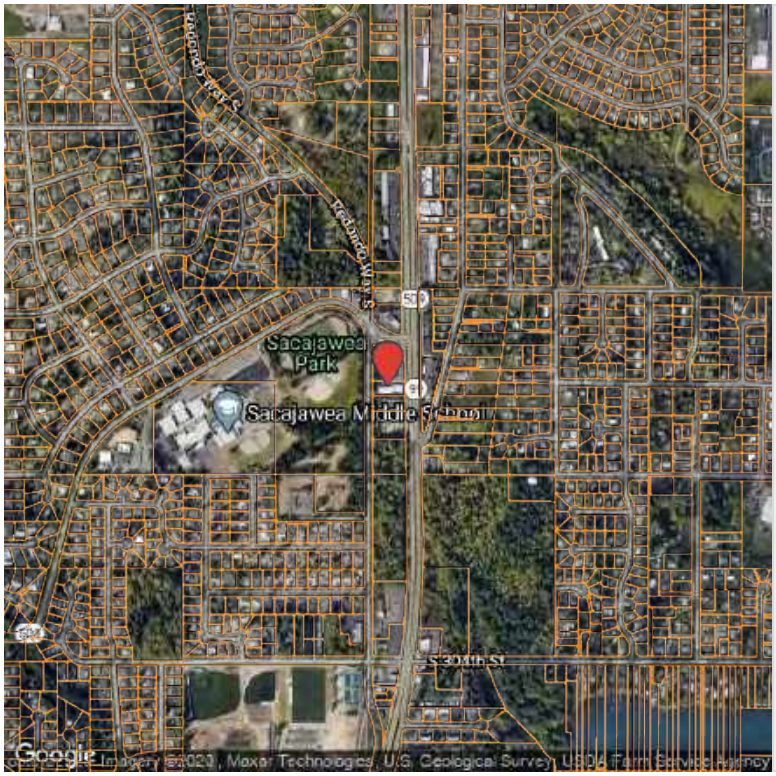

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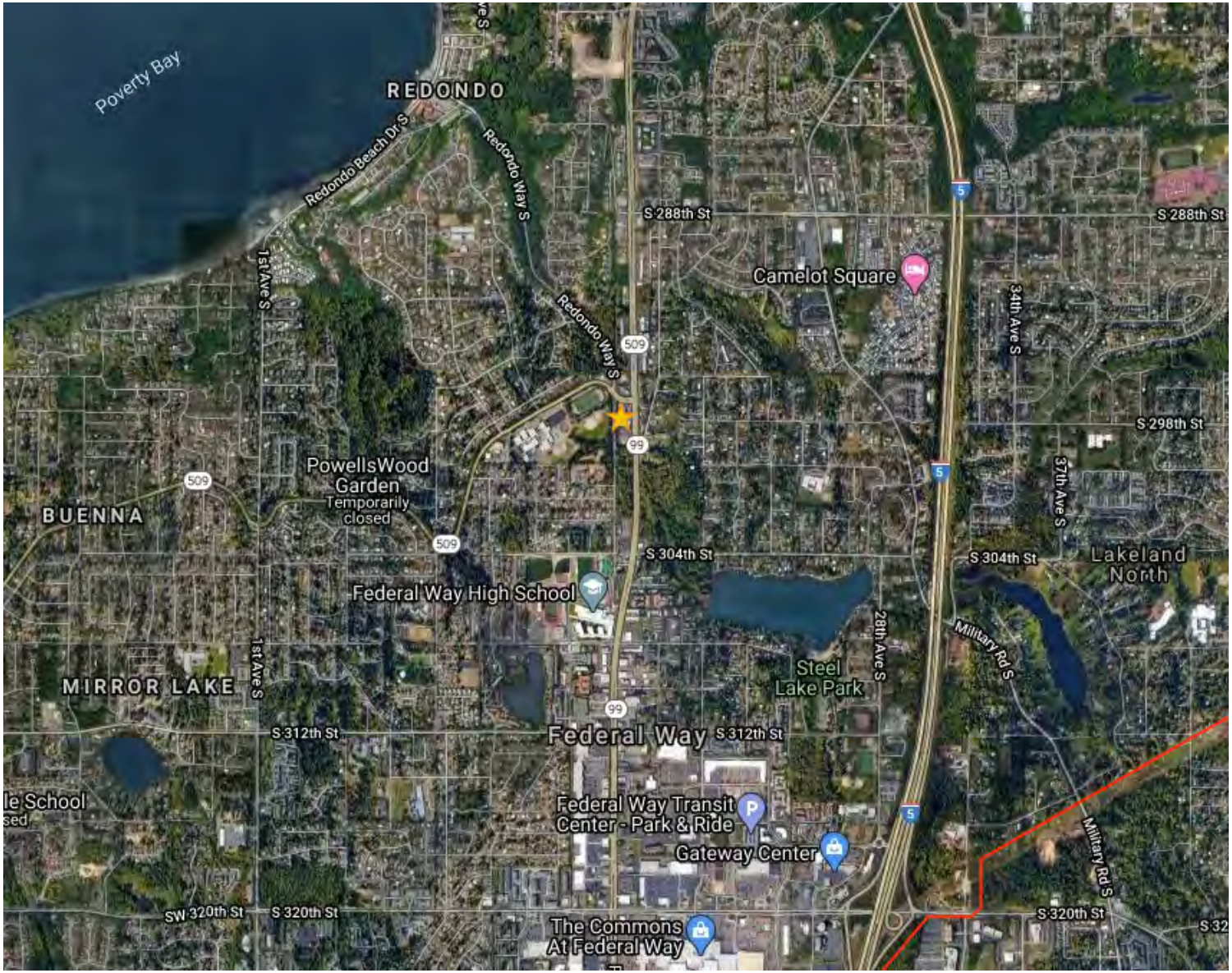

Legend

- Gas Transmission Pipelines
- Hazardous Liquid Pipelines

500 m
1000 ft

Pipelines depicted on this map represent gas transmission and hazardous liquid lines only. Gas gathering and gas distribution systems are not represented.

This map should never be used as a substitute for contacting a one-call center prior to excavation activities. Please call 811 before any digging occurs.

Questions regarding this map or its contents can be directed to npms@dot.gov.

Projection: Geographic

Datum: NAD83

Map produced by the Public Viewer application at www.npms.phmsa.dot.gov

Date Printed: Jun 04, 2020

811 Know what's below. Call before you dig.

DEPARTMENT OF ECOLOGY State of Washington

Well Construction and Licensing Search Tools

Laws, Regs and Rules | Map Search | Text Search | Forms | S

Well Construction and Licensing Searcl

Well Report Map Menu

Search Options Legend

County

City

Watershed (WRIA)

Clear Map Highlight

Township/Range/Section

Township

Range

Section *optional*

Clear Zoom

Address/Location

29805 Pacific Highway South
Federal Way, WA

Clear Zoom

Zoom In Zoom Out Full State Pan Select Wells

Ecology Home | Report a Problem | Data Disclaimer | Privacy Policy
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Jose Garcia

From: King County, WA – Customer Service <bssmonitorad@kingcounty.gov>
Sent: Wednesday, June 3, 2020 3:55 PM
To: Jose Garcia
Subject: King County has received your message KC:0278797298

Thank you for contacting us! Your message has been routed to the appropriate King County agency. A King County employee will get back to you as soon as possible.

Your original message:

Joe Garcia

Submitted: 6/3/2020 1:54 PM

Requested an email response? Yes. jagarcia@tgeresources.com

Phone: 7137445826, Zip code: 77040

Category: Elections, Government & Records > Records Search > Complaint

Subject: Phase I ESA

We are currently looking into the background for a Phase I Site Assessment for the following property located in Federal Way, Washington:

29805 Pacific Highway South Federal Way, Washington

Could you please provide any information you have available on the following items:

1) regarding records of spills, releases, or fires involving hazardous materials
2) underground and/or above ground storage tank information at or in the vicinity of the above site
3) any available information regarding building codes or building violations for the property
4) any available information regarding records of environmental complaints or violations for the property and nearby properties
5) any information regarding septic systems including sketches, details, and/or permits

Please let me know if you have any questions, and if I need to contact a certain party for requesting this information.

This email is automatically generated by King County's contact management system.

Jose Garcia

From: Jose Garcia
Sent: Wednesday, June 3, 2020 3:53 PM
To: lauri.perry@southkingfire.org
Subject: Records Request
Attachments: CAD Info 3.pdf; Cad Info 2.pdf

Importance: High

Hi Lauri,

We are currently looking into the background for a Phase I Site Assessment for the following property located in Federal Way, Washington:

29805 Pacific Highway South Federal Way, Washington

Could you please provide any information you have available on the following items:

1) regarding records of spills, releases, or fires involving hazardous materials
2) underground and/or above ground storage tank information at or in the vicinity of the above site
3) any available information regarding building codes or building violations for the property
4) any available information regarding records of environmental complaints or violations for the property and nearby properties
5) any information regarding septic systems including sketches, details, and/or permits

Please let me know if you have any questions, and if I need to contact a certain party for requesting this information.

Thanks,

Joe Garcia
Project Environmental Scientist

TGE RESOURCES, INC.

TGE Resources, Inc. | Environmental Management & Consulting Services
8048 Northcourt Road, Houston, TX 77040
Phone: (713) 744-5826 Fax: (713) 744-5888
JAGarcia@TGEResources.com| www.tgeresources.com

WBENC & SBA Certified Woman Owned Small Business
DUNS# 929574051
CAGE Code 08PQ6

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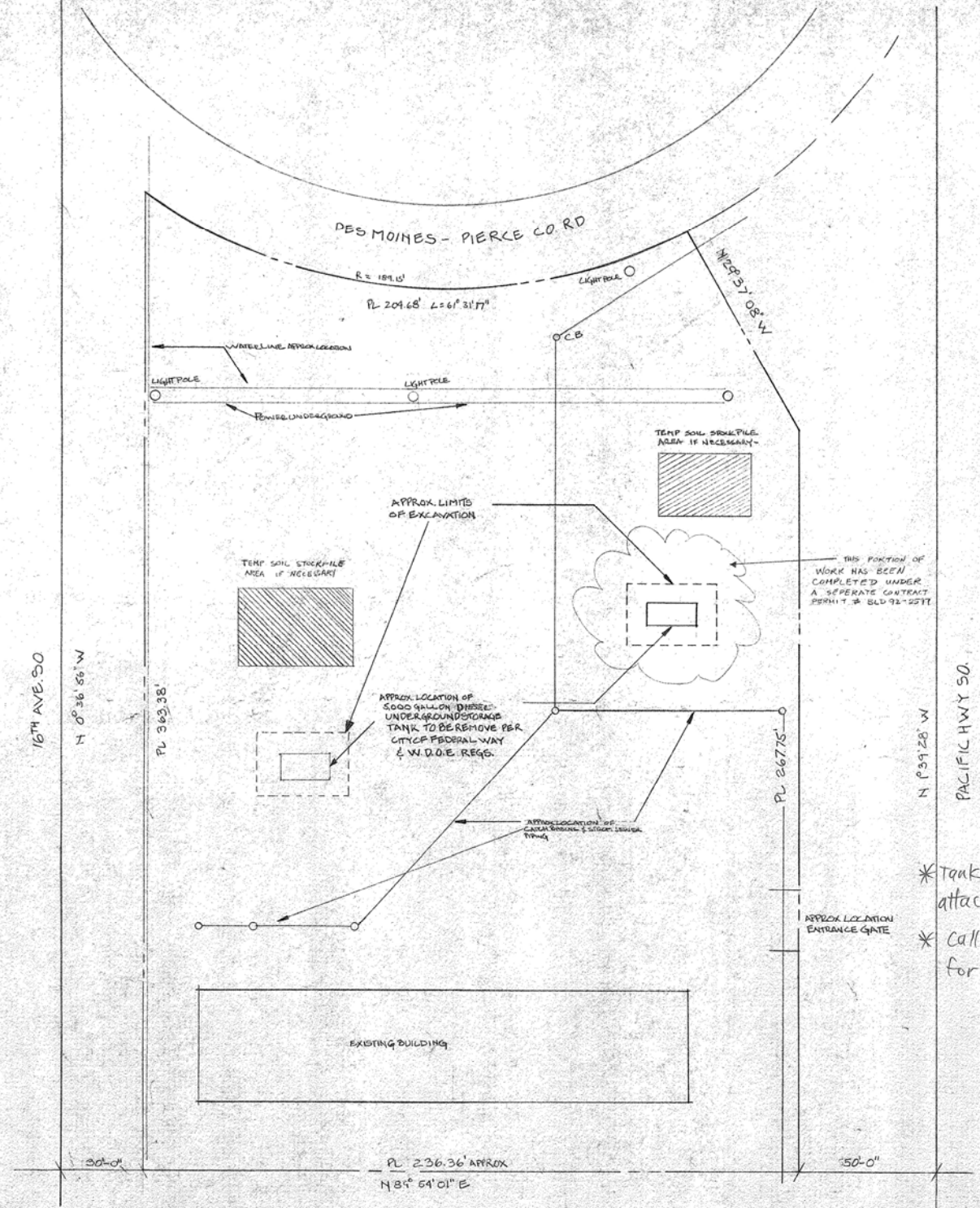


GENERAL NOTES:

F.D. #39

1. IF CONTAMINATED SOIL IS EVIDENT DURING REMOVAL OF THE TANK CONTRACTOR SHALL DISPOSE OF SAME IN A LAWFUL MANNER
2. CONTRACTOR SHALL DISPOSE OF OLD TANK IN A LAWFUL MANNER
3. CONTRACTOR SHALL COMPLETE ALL ASPHALT PATCHING MADE NECESSARY BY THIS WORK
4. PARCEL NOS.
   09 2109-9157-09
   ~~09-2109-9053-09~~
5. LEGAL DESCRIPTION:

Those certain premises located at what is commonly known as 29805 Pacific Highway South, Federal Way, King County, Washington, more particularly described as follows:
That portion of the SW 1/4 of Section 4, Township 21 N. Range 4 E, W.M. described as follows:
Beginning at a point 30 feet East of the Southwest corner of the NW 1/4 of the NW 1/4 of the SW 1/4 of said Section 4, running thence North 83° 54' 01" East 236.36 feet more or less to the Westerly marginal line of the Pacific Highway; thence following the said Westerly marginal line North 1° 39' 28" West 267.78 feet more or less to the Southerly marginal line of the Des Moines-Pierce County Road; thence following said marginal line on a curve 204.68 feet more or less to a point 30 feet East of the West Section line of said Section 4; thence South 0° 36' 56" West parallel to said Section line 363.38 feet more or less to the point of beginning.

6. UNDERGOUND UTILITES LOCATE WILL BE DONE PRIOR TO PROJECT START.

* Tank removal shall satisfy all of the attached requirements
* Call 946-7318, 24 hrs In advance, for CO_2 test/level verification

RECEIVED
APR 30 1993
CITY OF FEDERAL WAY BUILDING DEPT.

THERE ARE TO BE NO DEVIATIONS TO THE APPROVED DRAWINGS UNLESS OTHERWISE APPROVED BY THE FEDERAL WAY BUILDING DEPT.

F.D. #39

CITY OF FEDERAL WAY
DEPT. OF COMMUNITY DEVELOPMENT
PERMIT NUMBER BLD93-0468
ADDRESS 29805 Pacific Hwy S.
PLANS FOR Remove Tank
OWNER Rental Mart
DATE SUBMITTED 4/30/93 DATE APPROVED 5-6-93
APPROVED BY [illegible]

SITE PLAN
29805 PACIFIC HWY. SO.
FEDRAL WAY, WASHINGTON

1/1

RENTAL MART
O'SULLIVAN PETROLEUM EQ. CO.
3214 16TH AVE SW
SEATTLE, WA (206) 682-2990

PRINT TO SCALE

King County Area, Washington

AgC—Alderwood gravelly sandy loam, 8 to 15 percent slopes

Map Unit Setting

National map unit symbol: 2t626
Elevation: 50 to 800 feet
Mean annual precipitation: 20 to 60 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 160 to 240 days
Farmland classification: Prime farmland if irrigated

Map Unit Composition

Alderwood and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Alderwood

Setting

Landform: Ridges, hills
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Nose slope, talf
Down-slope shape: Linear, convex
Across-slope shape: Convex
Parent material: Glacial drift and/or glacial outwash over dense glaciomarine deposits

Typical profile

A - 0 to 7 inches: gravelly sandy loam
Bw1 - 7 to 21 inches: very gravelly sandy loam
Bw2 - 21 to 30 inches: very gravelly sandy loam
Bg - 30 to 35 inches: very gravelly sandy loam
2Cd1 - 35 to 43 inches: very gravelly sandy loam
2Cd2 - 43 to 59 inches: very gravelly sandy loam

Properties and qualities

Slope: 8 to 15 percent
Depth to restrictive feature: 20 to 39 inches to densic material
Natural drainage class: Moderately well drained
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: About 18 to 37 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Very low (about 2.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 4s

Hydrologic Soil Group: B
Forage suitability group: Limited Depth Soils (G002XN302WA), Limited Depth Soils (G002XS301WA), Limited Depth Soils (G002XF303WA)
Hydric soil rating: No

Minor Components

Everett
Percent of map unit: 5 percent
Landform: Kames, eskers, moraines
Landform position (two-dimensional): Shoulder, footslope
Landform position (three-dimensional): Crest, base slope
Down-slope shape: Convex
Across-slope shape: Convex
Hydric soil rating: No

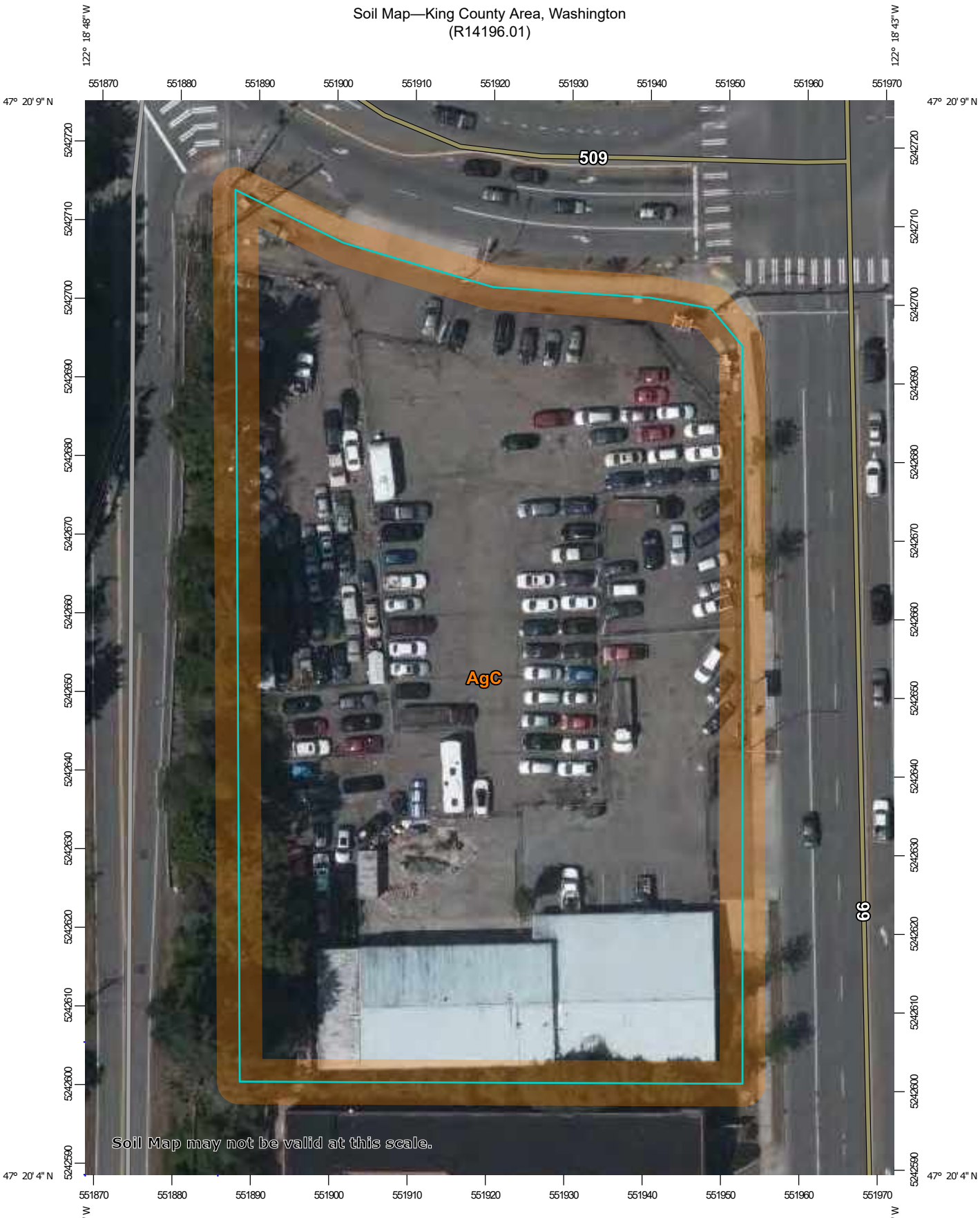
Indianola
Percent of map unit: 5 percent
Landform: Eskers, kames, terraces
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

Shalcar
Percent of map unit: 3 percent
Landform: Depressions
Landform position (three-dimensional): Dip
Down-slope shape: Concave
Across-slope shape: Concave
Hydric soil rating: Yes

Norma
Percent of map unit: 2 percent
Landform: Depressions, drainageways
Landform position (three-dimensional): Dip
Down-slope shape: Concave, linear
Across-slope shape: Concave
Hydric soil rating: Yes

Data Source Information

Soil Survey Area: King County Area, Washington
Survey Area Data: Version 15, Sep 16, 2019



Map Scale: 1:665 if printed on A portrait (8.5" x 11") sheet.

N

Meters
0 5 10 20 30

Feet
0 30 60 120 180

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 10N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: King County Area, Washington
Survey Area Data: Version 15, Sep 16, 2019

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jun 29, 2019—Jul 21, 2019

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
AgC	Alderwood gravelly sandy loam, 8 to 15 percent slopes	1.6	100.0%
Totals for Area of Interest		**1.6**	**100.0%**

APPENDIX D

CF Federal Way LLC

29805 Pacific Hwy S

FEDERAL WAY, WA 98003

Inquiry Number: 6082624.11

June 04, 2020

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

06/04/20

Site Name:

CF Federal Way LLC
29805 Pacific Hwy S
FEDERAL WAY, WA 98003
EDR Inquiry # 6082624.11

Client Name:

TGE Resources, Inc.
8048 Northcourt Road
Houston, TX 77040-0000
Contact: Gwen Younts

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2017	1"=500'	Flight Year: 2017	USDA/NAIP
2013	1"=500'	Flight Year: 2013	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1990	1"=500'	Acquisition Date: July 10, 1990	USGS/DOQQ
1985	1"=500'	Flight Date: May 01, 1985	NRWA
1980	1"=500'	Flight Date: July 08, 1980	USDA
1978	1"=500'	Flight Date: May 31, 1978	NRWA
1972	1"=500'	Flight Date: September 04, 1972	USGS
1968	1"=500'	Flight Date: September 02, 1968	USGS
1965	1"=500'	Flight Date: June 30, 1965	USGS
1957	1"=500'	Flight Date: May 28, 1957	USGS
1943	1"=500'	Flight Date: March 05, 1943	DIA

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

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INQUIRY #: 6082624.11
YEAR: 2017
= 500'
N
EDR

INQUIRY #: 6082624.11
YEAR: 2013
= 500'
N
EDR

INQUIRY #: 6082624.11
YEAR: 2009
= 500'
N
EDR

INQUIRY #: 6082624.11
YEAR: 2006
= 500'
N
EDR

INQUIRY #: 6082624.11
YEAR: 1990
= 500'
N
EDR

INQUIRY #: 6082624.11
YEAR: 1985
= 500'
N
EDR

INQUIRY #: 6082624.11
YEAR: 1980
= 500'
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EDR

INQUIRY #: 6082624.11
YEAR: 1978
= 500'
N
EDR

INQUIRY #: 6082624.11
YEAR: 1972
= 500'
N
EDR

INQUIRY #: 6082624.11
YEAR: 1968
= 500'
N
EDR

INQUIRY #: 6082624.11
YEAR: 1965
= 500'
N
EDR

INQUIRY #: 6082624.11
YEAR: 1957
= 500'
N
EDR

INQUIRY #: 6082624.11

YEAR: 1943

= 500'

N

EDR

CF Federal Way LLC
29805 Pacific Hwy S
FEDERAL WAY, WA 98003

Inquiry Number: 6082624.4
June 04, 2020

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

06/04/20

Site Name:

CF Federal Way LLC
29805 Pacific Hwy S
FEDERAL WAY, WA 98003
EDR Inquiry # 6082624.4

Client Name:

TGE Resources, Inc.
8048 Northcourt Road
Houston, TX 77040-0000
Contact: Gwen Younts

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by TGE Resources, Inc. were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# NA
Project: R14196.01

Coordinates:

Latitude:	47.335234 47° 20' 7" North
Longitude:	-122.3128 -122° 18' 46" West
UTM Zone:	Zone 10 North
UTM X Meters:	551917.00
UTM Y Meters:	5242647.49
Elevation:	426.00' above sea level

Maps Provided:

2014	1900
1997	1897
1994	
1981	
1973	
1968	
1961	
1949	

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2014 Source Sheets

Poverty Bay

7.5-minute, 24000

1997 Source Sheets

Poverty Bay

7.5-minute, 24000
Aerial Photo Revised 1990

1994 Source Sheets

Poverty Bay

7.5-minute, 24000
Aerial Photo Revised 1990

1981 Source Sheets

Poverty Bay

7.5-minute, 24000
Aerial Photo Revised 1978

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1973 Source Sheets

Poverty Bay

7.5-minute, 24000
Aerial Photo Revised 1973

1968 Source Sheets

Poverty Bay

7.5-minute, 24000
Aerial Photo Revised 1968

1961 Source Sheets

Poverty Bay

7.5-minute, 24000
Aerial Photo Revised 1957

1949 Source Sheets

Poverty Bay

7.5-minute, 24000
Aerial Photo Revised 1943

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1900 Source Sheets

Tacoma

30-minute, 125000

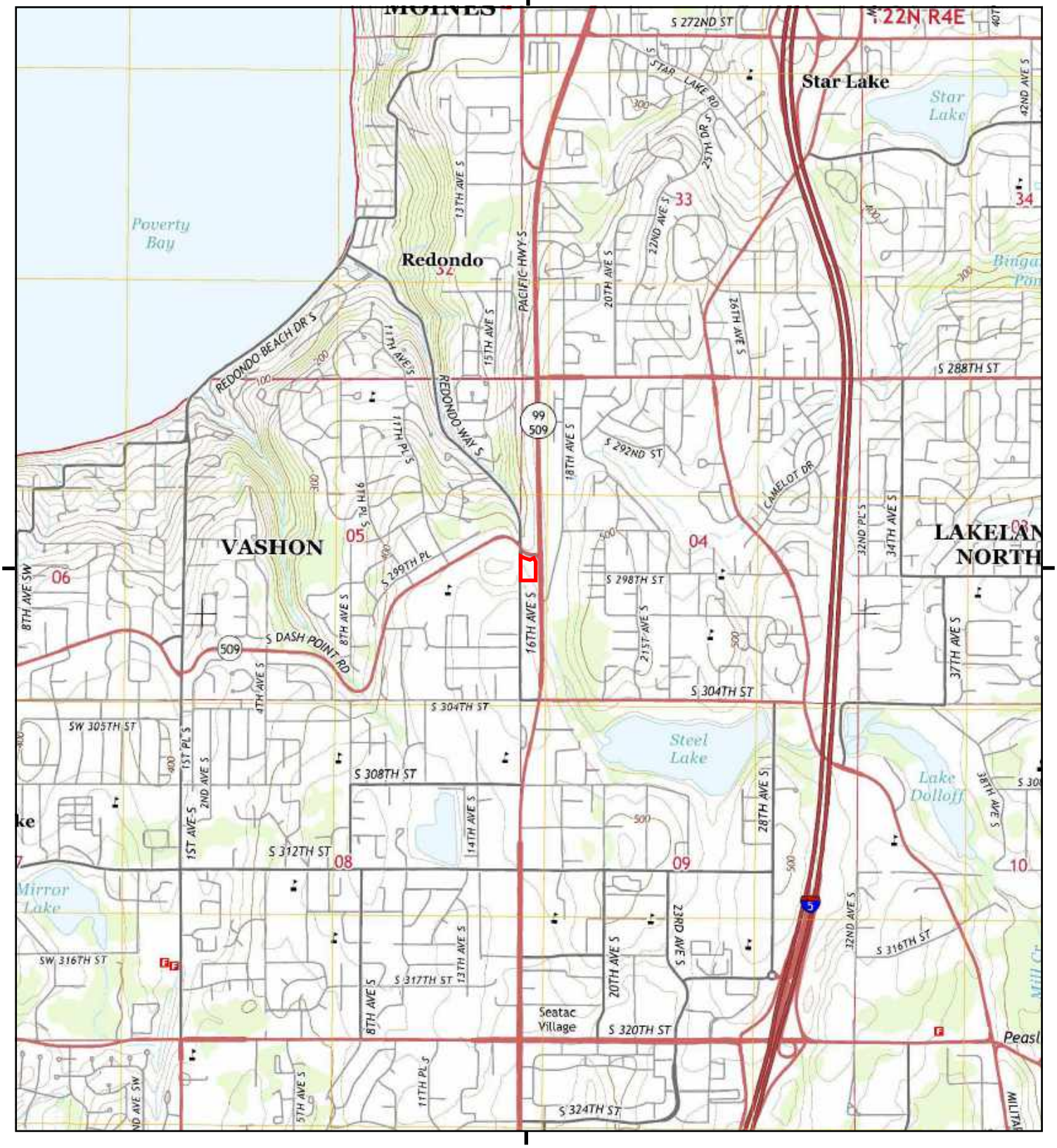
1897 Source Sheets

Tacoma

30-minute, 125000

Historical Topo Map

2014



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

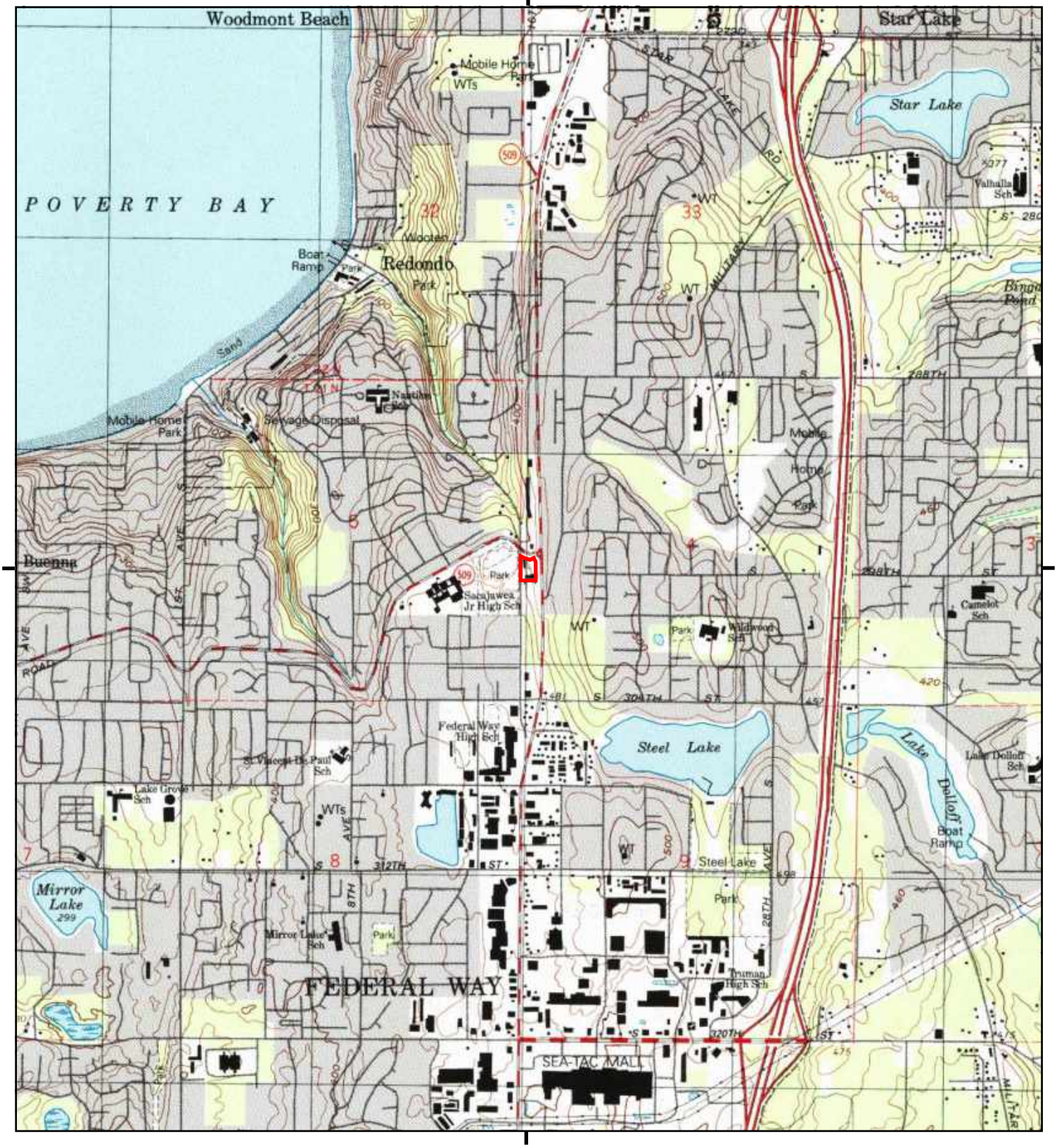
TP, Poverty Bay, 2014, 7.5-minute

SITE NAME: CF Federal Way LLC
ADDRESS: 29805 Pacific Hwy S
FEDERAL WAY, WA 98003
CLIENT: TGE Resources, Inc.

N

Historical Topo Map

1997



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

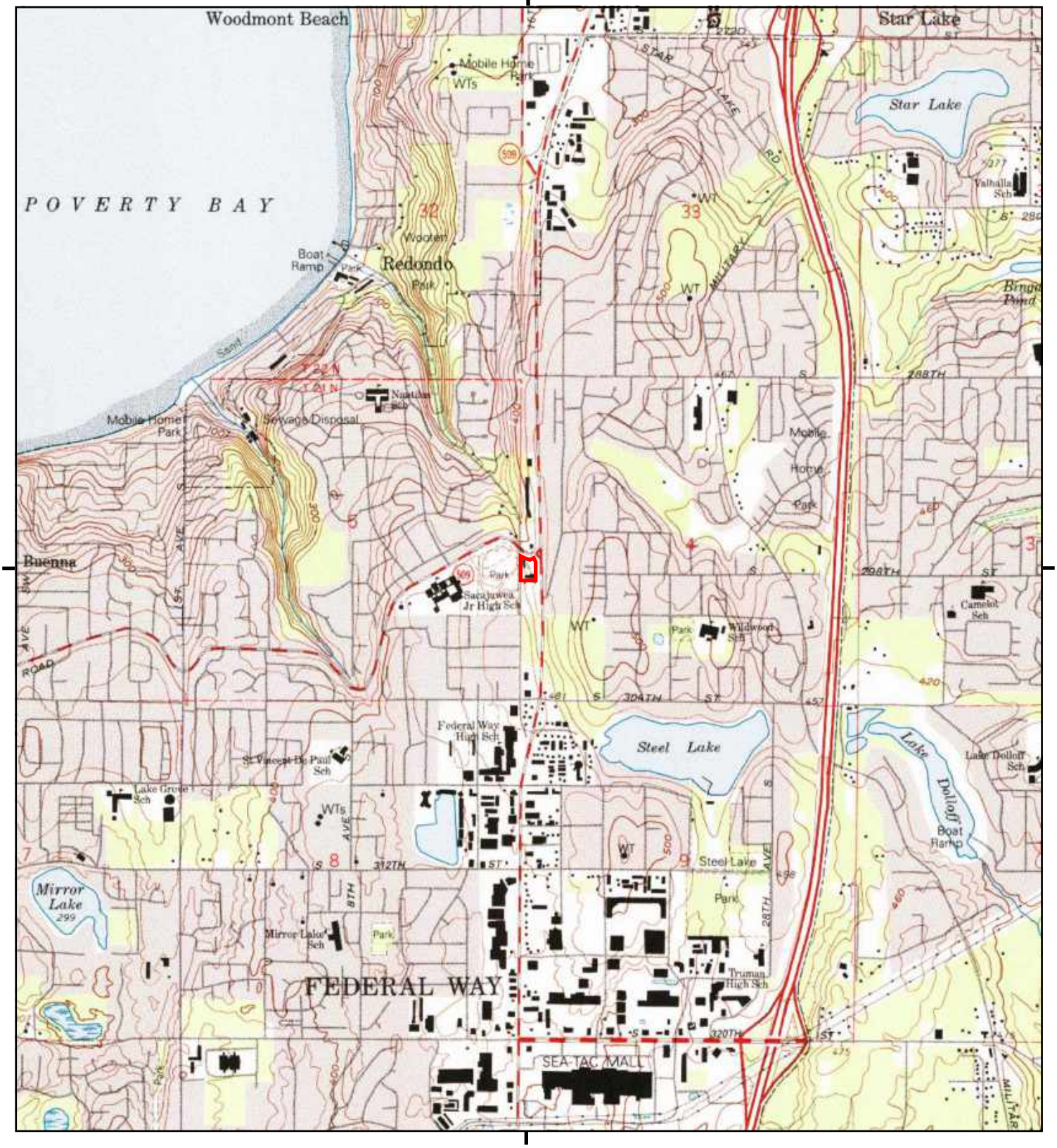
TP, Poverty Bay, 1997, 7.5-minute

SITE NAME: CF Federal Way LLC
ADDRESS: 29805 Pacific Hwy S
FEDERAL WAY, WA 98003
CLIENT: TGE Resources, Inc.

N

Historical Topo Map

1994



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

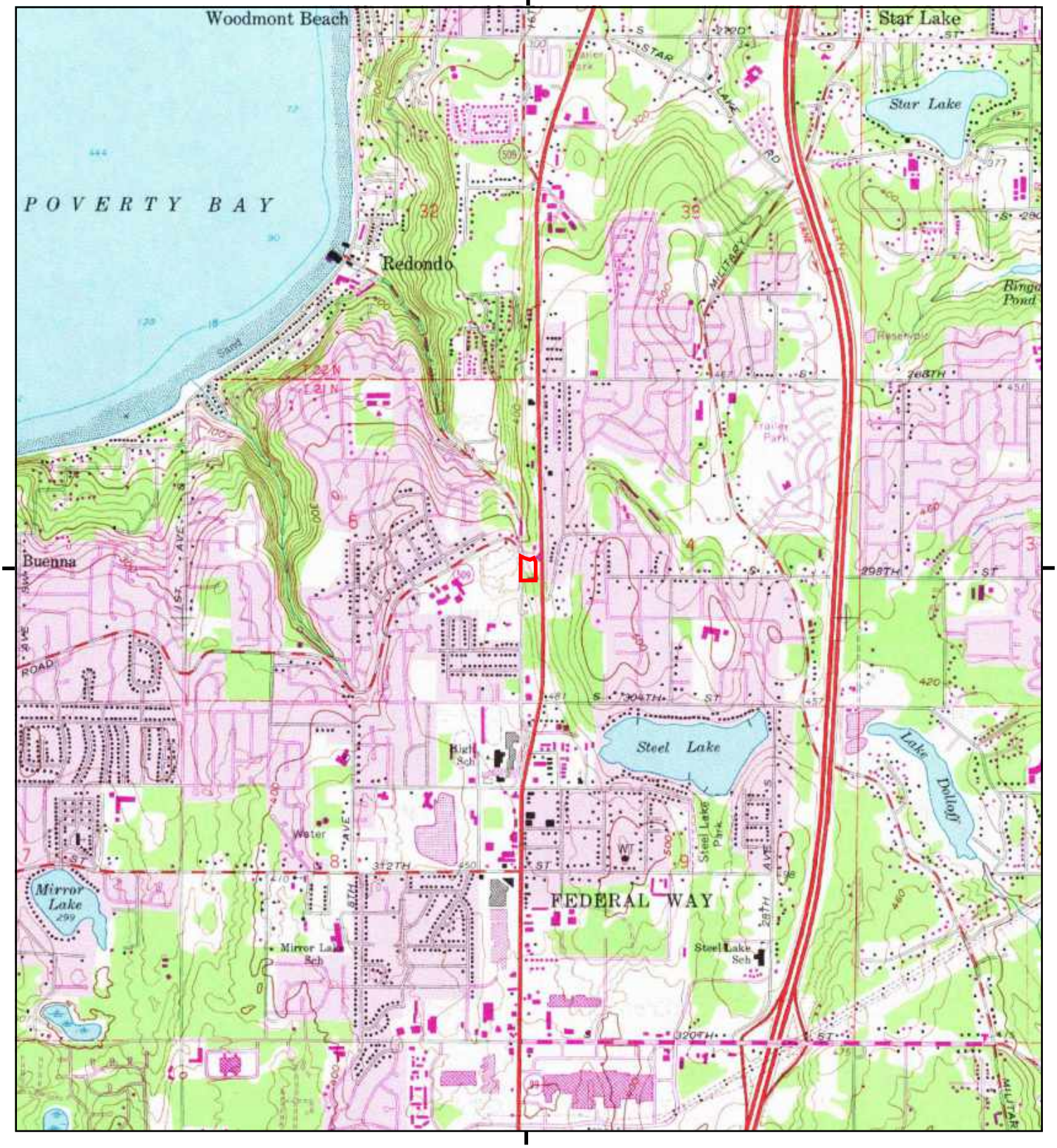
TP, Poverty Bay, 1994, 7.5-minute

SITE NAME: CF Federal Way LLC
ADDRESS: 29805 Pacific Hwy S
FEDERAL WAY, WA 98003
CLIENT: TGE Resources, Inc.

N

Historical Topo Map

1981



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

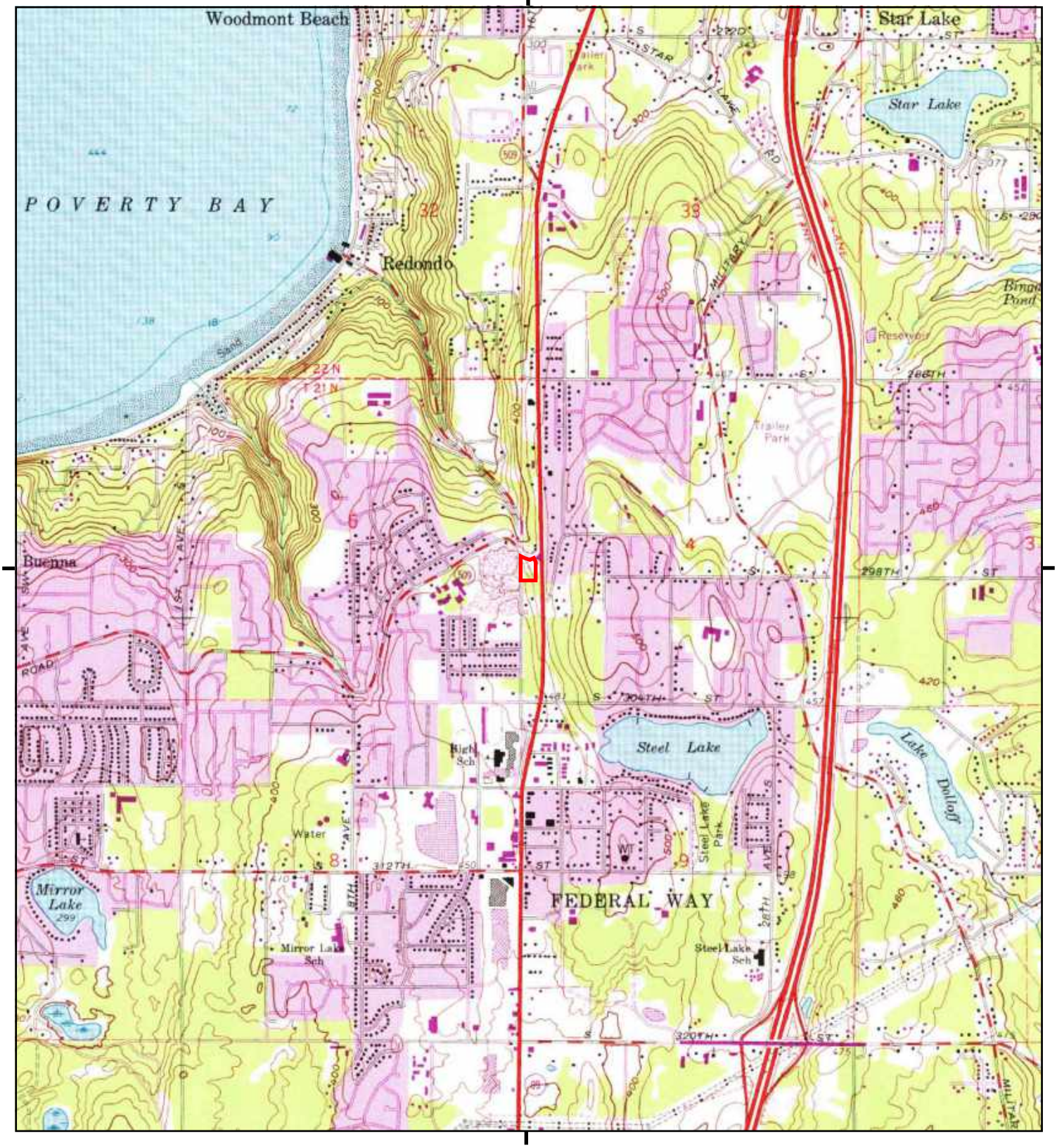
TP, Poverty Bay, 1981, 7.5-minute

SITE NAME: CF Federal Way LLC
ADDRESS: 29805 Pacific Hwy S
FEDERAL WAY, WA 98003
CLIENT: TGE Resources, Inc.

N

Historical Topo Map

1973



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

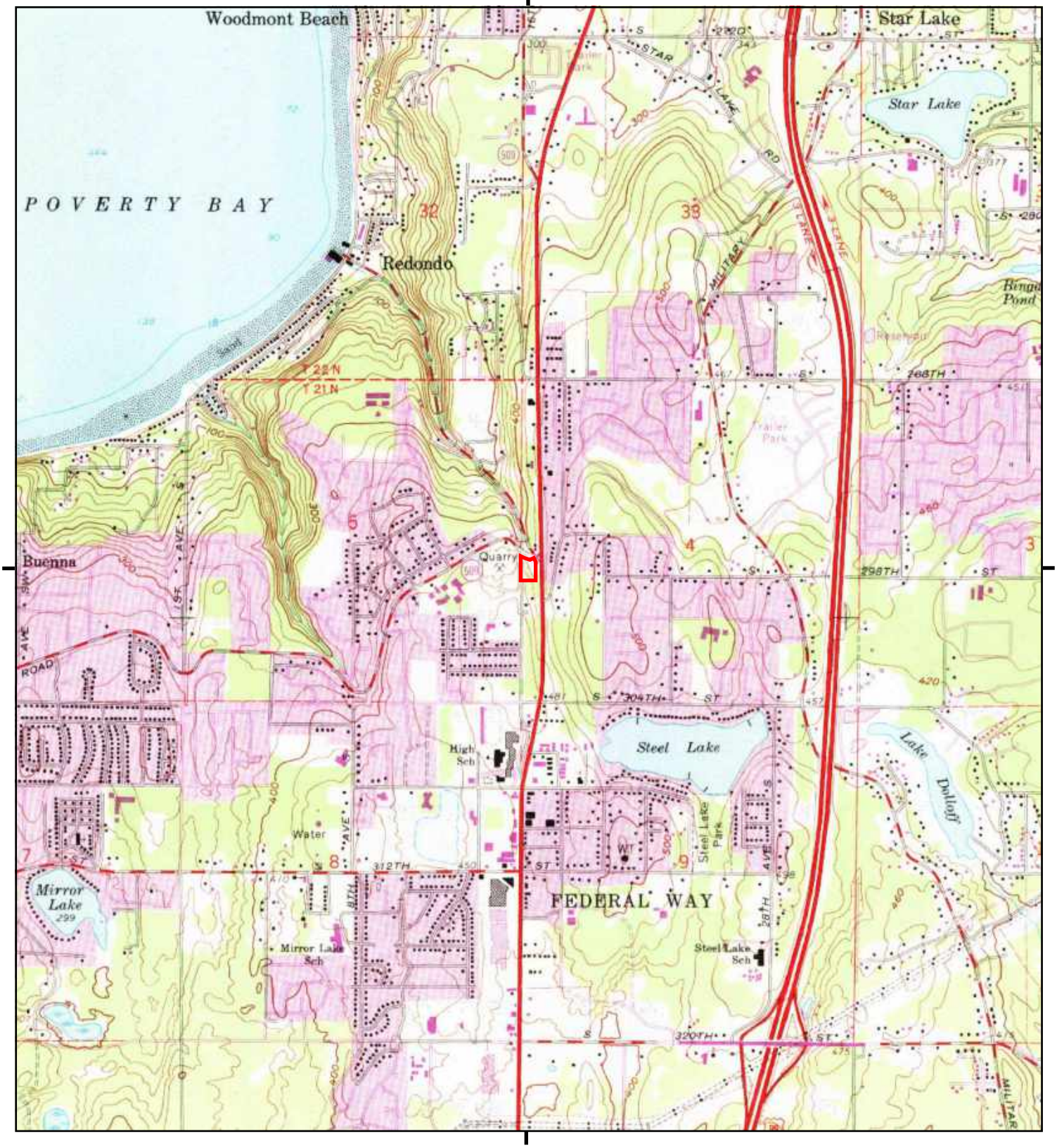
TP, Poverty Bay, 1973, 7.5-minute

SITE NAME: CF Federal Way LLC
ADDRESS: 29805 Pacific Hwy S
FEDERAL WAY, WA 98003
CLIENT: TGE Resources, Inc.

N

Historical Topo Map

1968



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

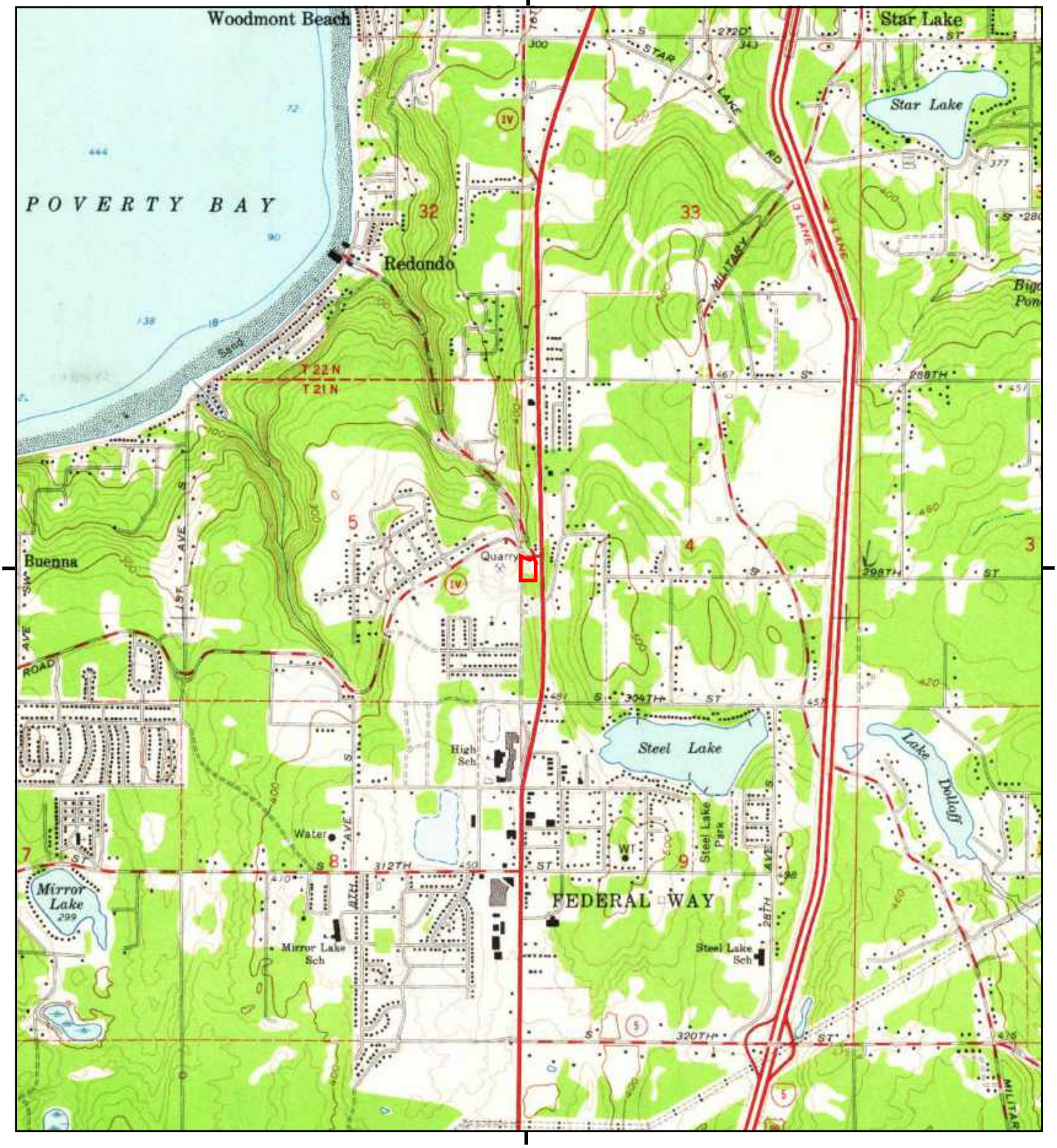
TP, Poverty Bay, 1968, 7.5-minute

SITE NAME: CF Federal Way LLC
ADDRESS: 29805 Pacific Hwy S
FEDERAL WAY, WA 98003
CLIENT: TGE Resources, Inc.

N

Historical Topo Map

1961



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

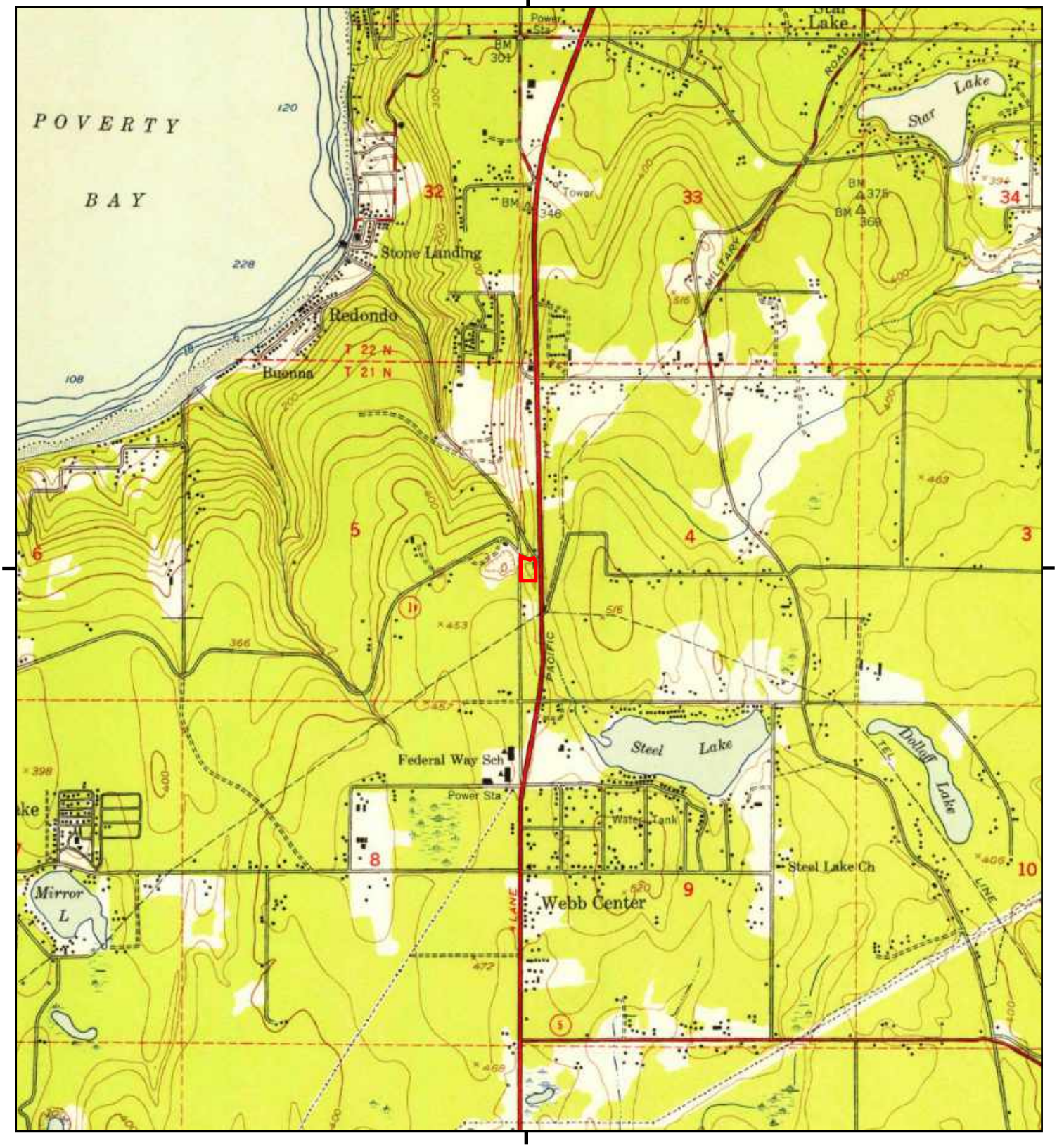
TP, Poverty Bay, 1961, 7.5-minute

SITE NAME: CF Federal Way LLC
ADDRESS: 29805 Pacific Hwy S
FEDERAL WAY, WA 98003
CLIENT: TGE Resources, Inc.

N

Historical Topo Map

1949



This report includes information from the following map sheet(s).

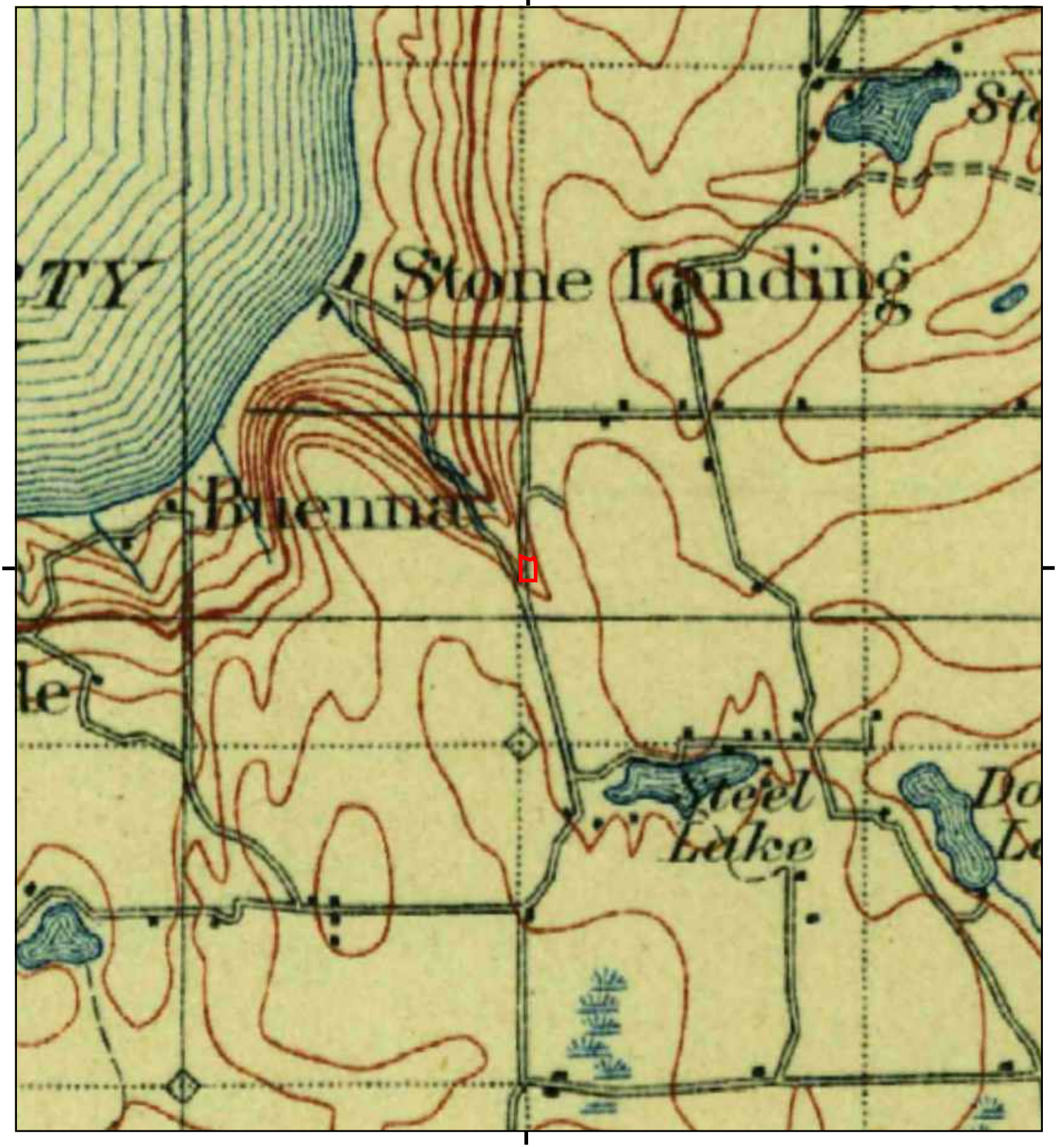
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Poverty Bay, 1949, 7.5-minute

SITE NAME: CF Federal Way LLC
ADDRESS: 29805 Pacific Hwy S
FEDERAL WAY, WA 98003
CLIENT: TGE Resources, Inc.

N



This report includes information from the following map sheet(s).

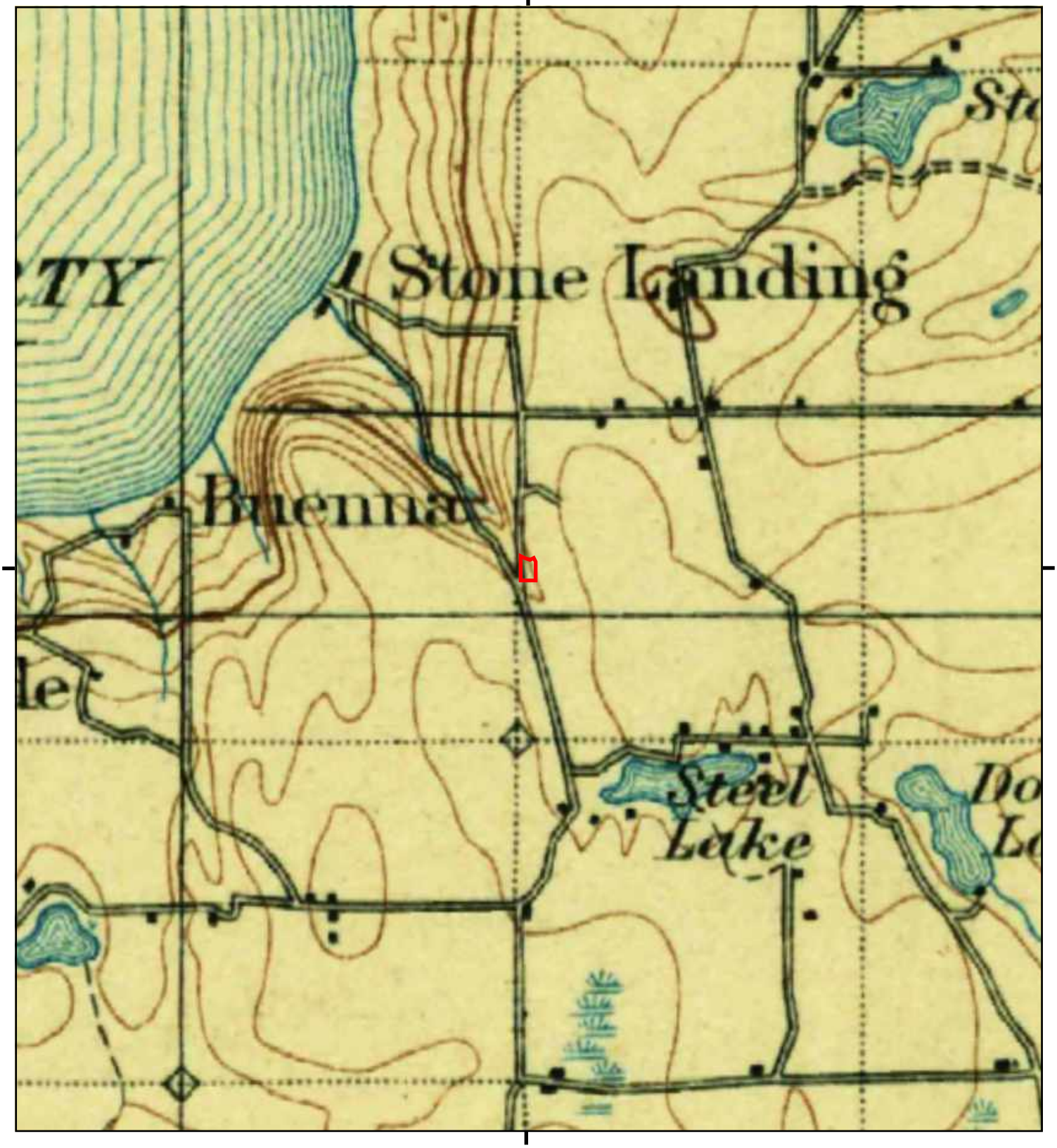
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Tacoma, 1900, 30-minute

SITE NAME: CF Federal Way LLC
ADDRESS: 29805 Pacific Hwy S
FEDERAL WAY, WA 98003
CLIENT: TGE Resources, Inc.

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Tacoma, 1897, 30-minute

SITE NAME: CF Federal Way LLC
ADDRESS: 29805 Pacific Hwy S
FEDERAL WAY, WA 98003
CLIENT: TGE Resources, Inc.

N

CF Federal Way LLC
29805 Pacific Hwy S
FEDERAL WAY, WA 98003

Inquiry Number: 6082624.5
June 05, 2020

The EDR-City Directory Image Report

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	Target Street	Cross Street	Source
2017	☑	☑	EDR Digital Archive
2014	☑	☑	EDR Digital Archive
2010	☑	☑	EDR Digital Archive
2005	☑	☑	EDR Digital Archive
2000	☑	☑	EDR Digital Archive
1995	☑	☑	EDR Digital Archive
1992	☑	☑	EDR Digital Archive
1986	☑	☑	Coles Publications
1981	☑	☑	Coles Publications
1977	☑	☑	Coles Publications
1972	☑	☑	Coles Publications
1969	☑	☑	Coles Publications

FINDINGS

TARGET PROPERTY STREET

29805 Pacific Hwy S
FEDERAL WAY, WA 98003

Year	*CD Image*	*Source*
PACIFIC HWY S		
2017	pg A1	EDR Digital Archive
2014	pg A3	EDR Digital Archive
2010	pg A5	EDR Digital Archive
2005	pg A7	EDR Digital Archive
2000	pg A9	EDR Digital Archive
1995	pg A11	EDR Digital Archive
1992	pg A13	EDR Digital Archive
1986	pg A15	Coles Publications
1981	pg A17	Coles Publications
1977	pg A19	Coles Publications
1972	pg A22	Coles Publications
1969	pg A24	Coles Publications

FINDINGS

CROSS STREETS

Year	*CD Image*	*Source*
S DASH POINT RD		
2017	pg. A2	EDR Digital Archive
2014	pg. A4	EDR Digital Archive
2010	pg. A6	EDR Digital Archive
2005	pg. A8	EDR Digital Archive
2000	pg. A10	EDR Digital Archive
1995	pg. A12	EDR Digital Archive
1992	pg. A14	EDR Digital Archive
1986	pg. A16	Coles Publications
1981	pg. A18	Coles Publications
1977	pg. A20	Coles Publications
1977	pg. A21	Coles Publications
1972	pg. A23	Coles Publications
1969	pg. A25	Coles Publications

City Directory Images

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

PACIFIC HWY S 2017

29500	0 0 7 LOCKSMITH
	1 LOCKSMITH
	CLEVER REBEL
	COBO LOCKS & KEYS CO
	CONCIOUS CARE COOPERATIVE
	DOTNE AFRICAN HAIR BRAIDING
	FANTASY MASSAGE LLC
	JENNINGS BARBER SHOP
	MI BELLA HONDURAS
	MORALES, ELVIA
	RUSSELL PROMOTIONS
	SK ENTERPRISE
	STROK, NICOLE
29805	PAYLESS AUTO MART
	PAYLESS AUTO MART LLC
	PAYLESS AUTO REPAIR
	WIRB INC
29815	CHEAP HEATING & AIR CONDITIONING
	FEDERAL WAY MOTEL
29918	VONIS VOLUPTUOUS HAIR SALON
29928	SMART START

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

S DASH POINT RD 2017

430	SHULL, BARBARA S
829	MASON, JENNIE E
833	MORRIS, JIMMY C
837	WILLIAMS, KYONG S
841	STRAUSS, LAWRENCE
845	LIM, POAN
908	RIHN, THEODORE C
909	HAY, TAYLOR
941	CHRISTS CHURCH
1101	FEDERAL WAY PUBLIC SCHOOLS
	SCHOOLSPUBLIC
1500	DENNIS DDS HAHN PS
	MARINE HILLS DENTISTRY
1520	24 HOURS EMERGENCY LOCKSMITH
	A EMERGENCY LOCKSMITH
	MARINE HILL CLEANERS
1530	LEE R HARRIS DVM
	SACAJAWEA HEALTHCARE FOR PETS
	SACAJAWEA VETERINARY CLINIC

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

PACIFIC HWY S 2014

29500	1 LOCKSMITH
	3G BARBER SHOP
	411 DRIVING ACADEMY
	ATLANTA FISH & WINGS
	CONCIOUS CARE COOPERATIVE
	FANTASY MASSAGE LLC
	MORALES, ELVIA
	OH, SUUONG
	REDWOODS SALON & SPA
	SK ENTERPRISE
	STROK, NICOLE
	WEST COAST DRIVING
	YOUNGS SMOKE
29805	PAYLESS AUTO MART LLC
	PAYLESS AUTO REPAIR
	WESTERN INTERNATIONAL RECOVERY BUREA
29815	FEDERAL WAY MOTEL
29918	VONIS VOLUPTUOUS HAIR SALON
29928	SMART START DAY CARE

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

S DASH POINT RD 2014

430	SHULL, BARBARA S
829	EAGLE, KEVIN N
833	MORRIS, JIMMY C
837	WILLIAMS, KYONG S
841	DUFFIN, ROBERT S
845	LIM, POAN
849	CORREA, HARLEN H
901	PARROT, ANGELA
908	RIHN, THEODORE C
909	HAY, TAYLOR
941	CHRISTS CHURCH
1101	FEDERAL WAY PUBLIC SCHOOLS
	SCHOOLSPUBLIC
1500	MARINE HILLS DENTISTRY
1520	24 HOURS EMERGENCY LOCKSMITH
	A EMERGENCY LOCKSMITH
	MARINE HILL CLEANERS
1530	HARRIS LEE R DVM
	SACAJAWEA VETERINARY CLINIC

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

PACIFIC HWY S 2010

29500	FRANKS MEATS
	JENNY SALON DE BELLEZA
	PACIFIC PRINT
	RHODES REALTY INC
	SEVEN DEUCE
	STROK, NICOLE
	WEST COAST DRIVING
	YOUNGS TOBACCO PIPE & VARIETY
29625	SHELL MINI MART
29805	WESTERN INTERNATIONAL RECOVERY
29815	FEDERAL WAY MOTEL
29928	SMART START CHILD CARE CTR

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

S DASH POINT RD 2010

430	SHULL, BARBARA S
829	EAGLE, KEVIN N
833	MORRIS, JIMMY C
837	WILLIAMS, KYONG S
841	JOHNSON, MIKE D
845	LIM, POAN
849	CORREA, HARLEN H
901	PARROT, ANGELA
909	HAY, TAYLOR
941	CHRISTS CHURCH FEDERAL WAY
1101	F W PUB SCHOOLS
	SACAJAWEA MIDDLE SCHOOL
1500	MARINE HILLS DENTISTRY
1520	MARINE HILL CLEANERS
	OH FAMILY CHIROPRACTIC CTR
1530	SACAJAWEA HEALTHCARE FOR PETS
	SACAJAWEA VETERINARY CLINIC

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

PACIFIC HWY S 2005

29500	EL MICHOACANO
	ELEGANCWE & BEYOND
	MARK M ALCHAMI
	NEW YORK GEAR
	OLSEN, LEONARD C
	PAY CHECK ADVANCE
	RHODES REALTY INC
	YOUNGS ENTERPRISE
	YOUNGS TOBACCO PIPE & VARIETY GIFT
29918	HOMEVENDOR INC
29928	SMART START

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

S DASH POINT RD 2005

430	OCCUPANT UNKNOWN, POWELLSWOOD A NORTHWEST GARDEN
829	MINER, TODD A MINERS CHRISTMAS TREE FARM
833	MORRIS, JIMMIE
837	DUNCAN, RICHARD W
841	JOHNSON, MIKE D
845	LIM, POAN WILD ORCHID INC
849	BAY, DEWETTA A
901	PARROTT, RANDY L
908	RIHN, THEODORE C
909	HAY, JAMES W
915	IMRAN, NAS
1101	SACAJAWEA MIDDLE SCHOOL
1500	DENNIS J HAHN DDS INC PS DR DENNIS HAHN PS MARINE HILLS DENTAL DDS
1520	MARINE HILL CLEANERS
1530	SACAJAWEA HEALTHCARE FOR PETS

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

PACIFIC HWY S 2000

29500	CRYSTAL SPA
	ELEGANCE BEYOND
	FORMAL AFFAIRS TUXEDO & BRIDAL
	GERMANS TATTOOS
	MELODY MUSIC
	MILITARY SURPLUS
	MUSIC GALORE PAGING & CELLULAR FED WAY
	T & A ADULT VIDEO PLUS
	YOUNGS TOBACCO PIPE & VARIETY GIFT
29625	509 DELI & TOWN PUMP SHELL
29805	40 RENTALS HOMEOWNERS
	FORTE RENTALS FEDERAL WAY NORTH
	GREEN CONNECTION
29815	FEDERAL WAY MOTEL
29928	SMART START DAY CARE

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

S DASH POINT RD 2000

829	MINER, TODD A
833	OCCUPANT UNKNOWN,
837	COTTER, CINDY
845	HARTUNG, LESLIE A
901	OCCUPANT UNKNOWN,
908	RIHN, TERESA C
909	HAY, JAMES W
941	CHRIST CHURCH AT FEDERAL WAY
1101	FEDERAL WAY PUBLIC SCHOOLS SCHOOLS
1500	BURBIDGE JAMES D DDS
1520	JEANS GROCERY
	MARINE HILL CLEANERS
	MARINE HILLS GROCERY
1524	GREENE JEFFREY L ARCHT
1530	HARRIS LEE R DVM
	SACAJAWEA VETERINARY CLINIC

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

PACIFIC HWY S 1995

29500	ATA TAEKWONDO CTR
	CAN STAR ENTERPRISES
	CRYSTAL SPA & MASSAGE
	NATIONWIDE
	NATIONWIDE CREDIT ALLIANCE
	QUALITY CARPET & UPHOLSTERY
	RHODES REALTY INC
	RHODES, JAMES
	RICHARD D ALLEN LAW OFFICES
	SUNRIDGE DEVELOPMENT
	T & A ADULT VIDEO PLUS
	TATTOO ALLEY
	WILLIS PRECISION & TACTICAL
	YOUNGS TOBACCO PIPE & VARIETY
29625	ADAMS AUTO SALES
29805	GREEN CONNECTION
	PENSKE TRUCK LEASING CO
	RENTAL MARTS
29815	DICKSON, WALTER M
	FEDERAL WAY MOTEL
29918	HORIZON MORTGAGE
	IMAGE MAKER HAIR PIECES
29928	SMART START DAY CARE

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

S DASH POINT RD 1995

430	OCCUPANT UNKNOWNN
829	OCCUPANT UNKNOWNN
833	MORRIS, JIMMY D
837	OCCUPANT UNKNOWNN
841	PERRAS, ROBERT D
845	HARTUNG, LESLIE A
901	PARROTT, DEANNA
909	HAY, JAMES W
941	CHRISTS CHURCH FEDERAL WAY
1101	SACAJAWEA JUNIOR HIGH SCHOOL
1500	JAMES D BURBIDGE DDS
1520	JEANS GROCERY
1524	GREENE, JEFFREY L
	JEFF GREENE ASSOC INC
	JEFFREY L GREENE ASSOC
1530	HARRIS, LEE R
	SACAJAWEA VETERINARY CLINIC

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

PACIFIC HWY S 1992

29500	CRYSTALS SPA
	GOOD USED FURNITR
	MAGNOLIA KIRBY
	QLTY CARPET&UPHLST
	QULTY CRPT&UPHLSTR
	RHODES REALTY
	S D N INC
	SILVER DOLLR EXCH
	YOUNGS TOBACO PIPE
29805	GREEN CONNECTION
	RENTAL MARTS
29815	FEDERAL WY MOTEL
29918	DR TODD HOWARD
	IMAGE MAKER HR PCS
	PAUL ROBERTS INC
29928	SMART STARTS

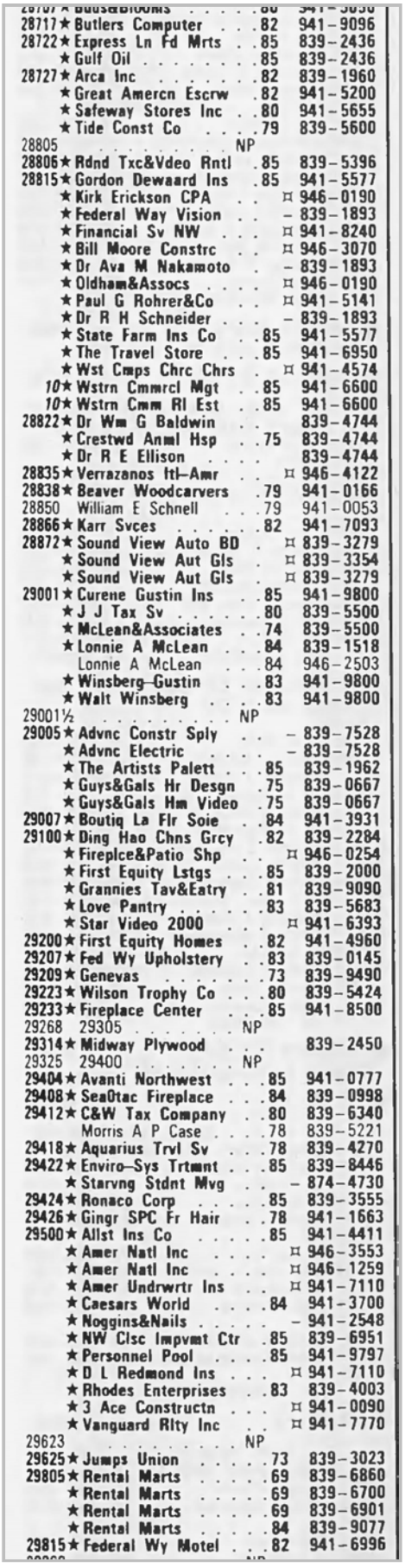
Target Street	Cross Street	Source
-	✓	EDR Digital Archive

S DASH POINT RD 1992

430	KELLEY, TOM
833	MORRIS, JIMMIE
845	HARTUNG, LESLIE A
901	SHAW, JAMES E
909	HAY, JAMES W
941	CHRISTS CH FED WY
	CHRST CH AT FED WY
1101	FWPS SACAJAWEA JR
1500	DR J D BURBIDGE
1520	MARINE HLS 7 11
	SEVEN ELEVEN FD ST
1524	GREENE, JEFFREY L
	J L GREENE ARCHT
	JEFFREY L GREENE
	JOHNSON-GREENE ASO
1530	DR LEE R HARRIS
	HARRIS, LEE R
	SACAJAWEA VET CLNC

Target Street	Cross Street	Source
✓	-	Coles Publications

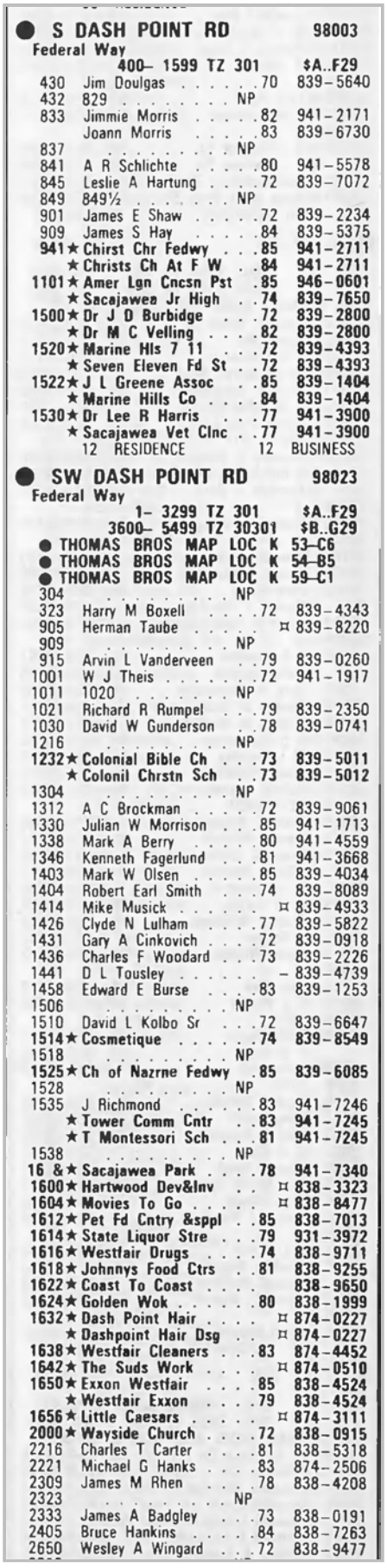
PACIFIC HWY S 1986



28707 ★ Bdds&Blooms 80 941-5050
28711 ★ Butlers Computer . . .82 941-9096
28722 ★ Express Ln Fd Mrts . .85 839-2436
★ Gulf Oil 85 839-2436
28727 ★ Arca Inc 82 839-1960
★ Great Amercn Escrw .82 941-5200
★ Safeway Stores Inc . .80 941-5655
★ Tide Const Co 79 839-5600
28805 . . . . . NP
28806 ★ Rdnd Txc&Vdeo Rntl .85 839-5396
28815 ★ Gordon Dewaard Ins .85 941-5577
★ Kirk Erickson CPA . . ¤ 946-0190
★ Federal Way Vision . . - 839-1893
★ Financial Sv NW . . . ¤ 941-8240
★ Bill Moore Constrc . . ¤ 946-3070
★ Dr Ava M Nakamoto . - 839-1893
★ Oldham&Assocs . . . . ¤ 946-0190
★ Paul G Rohrer&Co . . ¤ 941-5141
★ Dr R H Schneider . . . - 839-1893
★ State Farm Ins Co . .85 941-5577
★ The Travel Store . . .85 941-6950
★ Wst Cmps Chrc Chrs . ¤ 941-4574
10 ★ Wstrn Cmmrcl Mgt . .85 941-6600
10 ★ Wstrn Cmm Rl Est . .85 941-6600
28822 ★ Dr Wm G Baldwin . . 839-4744
★ Crestwd Anml Hsp . .75 839-4744
★ Dr R E Ellison 839-4744
28835 ★ Verrazanos Itl-Amr . . ¤ 946-4122
28838 ★ Beaver Woodcarvers .79 941-0166
28850 William E Schnell . . .79 941-0053
28866 ★ Karr Svces 82 941-7093
28872 ★ Sound View Auto BD . ¤ 839-3279
★ Sound View Aut Gls . ¤ 839-3354
★ Sound View Aut Gls . ¤ 839-3279
29001 ★ Curene Gustin Ins . .85 941-9800
★ J J Tax Sv 80 839-5500
★ McLean&Associates . .74 839-5500
★ Lonnie A McLean . . .84 839-1518
Lonnie A McLean . . .84 946-2503
★ Winsberg-Gustin . . .83 941-9800
★ Walt Winsberg 83 941-9800
29001½ . . . . . NP
29005 ★ Advnc Constr Sply . . - 839-7528
★ Advnc Electric . . . . - 839-7528
★ The Artists Palett . . .85 839-1962
★ Guys&Gals Hr Desgn .75 839-0667
★ Guys&Gals Hm Video .75 839-0667
29007 ★ Boutiq La Flr Soie . .84 941-3931
29100 ★ Ding Hao Chns Grcy .82 839-2284
★ Fireplce&Patio Shp . . ¤ 946-0254
★ First Equity Lstgs . . .85 839-2000
★ Grannies Tav&Eatry . .81 839-9090
★ Love Pantry 83 839-5683
★ Star Video 2000 . . . ¤ 941-6393
29200 ★ First Equity Homes . .82 941-4960
29207 ★ Fed Wy Upholstery . .83 839-0145
29209 ★ Genevas 73 839-9490
29223 ★ Wilson Trophy Co . . .80 839-5424
29233 ★ Fireplace Center . . .85 941-8500
29268 29305 . . . . . NP
29314 ★ Midway Plywood . . . 839-2450
29325 29400 . . . . . NP
29404 ★ Avanti Northwest . . .85 941-0777
29408 ★ SeaOtac Fireplace . . .84 839-0998
29412 ★ C&W Tax Company . .80 839-6340
Morris A P Case 78 839-5221
29418 ★ Aquarius Trvl Sv . . .78 839-4270
29422 ★ Enviro-Sys Trtmnt . . .85 839-8446
★ Starvng Stdnt Mvg . . - 874-4730
29424 ★ Ronaco Corp 85 839-3555
29426 ★ Gingr SPC Fr Hair . .78 941-1663
29500 ★ Allst Ins Co 85 941-4411
★ Amer Natl Inc . . . . ¤ 946-3553
★ Amer Natl Inc . . . . ¤ 946-1259
★ Amer Undrwrtr Ins . . ¤ 941-7110
★ Caesars World 84 941-3700
★ Noggins&Nails . . . . . - 941-2548
★ NW Clsc Impvmt Ctr .85 839-6951
★ Personnel Pool 85 941-9797
★ D L Redmond Ins . . . ¤ 941-7110
★ Rhodes Enterprises . .83 839-4003
★ 3 Ace Constructn . . . ¤ 941-0090
★ Vanguard Rlty Inc . . ¤ 941-7770
29623 . . . . . NP
29625 ★ Jumps Union 73 839-3023
29805 ★ Rental Marts 69 839-6860
★ Rental Marts 69 839-6700
★ Rental Marts 69 839-6901
★ Rental Marts 84 839-9077
29815 ★ Federal Wy Motel . . .82 941-6996

Target Street	Cross Street	Source
-	✓	Coles Publications

S DASH POINT RD 1986



S DASH POINT RD 98003

Federal Way

400– 1599 TZ 301 $A..F29

430 Jim Doulgas 70 839–5640
432 829 . . . . . NP
833 Jimmie Morris 82 941–2171
Joann Morris 83 839–6730
837 . . . . . NP
841 A R Schlichte 80 941–5578
845 Leslie A Hartung 72 839–7072
849 849½ . . . . . NP
901 James E Shaw 72 839–2234
909 James S Hay 84 839–5375
941 ★ Chirst Chr Fedwy . . . 85 941–2711
★ Christs Ch At F W . . 84 941–2711
1101 ★ Amer Lgn Cncsn Pst . 85 946–0601
★ Sacajawea Jr High . . 74 839–7650
1500 ★ Dr J D Burbidge . . . 72 839–2800
★ Dr M C Velling 82 839–2800
1520 ★ Marine Hls 7 11 . . . 72 839–4393
★ Seven Eleven Fd St . . 72 839–4393
1522 ★ J L Greene Assoc . . 85 839–1404
★ Marine Hills Co 84 839–1404
1530 ★ Dr Lee R Harris . . . 77 941–3900
★ Sacajawea Vet Clnc . . 77 941–3900
12 RESIDENCE 12 BUSINESS

SW DASH POINT RD 98023

Federal Way

1– 3299 TZ 301 $A..F29
3600– 5499 TZ 30301 $B..G29

● THOMAS BROS MAP LOC K 53–C6
● THOMAS BROS MAP LOC K 54–B5
● THOMAS BROS MAP LOC K 59–C1

304 . . . . . NP
323 Harry M Boxell 72 839–4343
905 Herman Taube . . . . . ¤ 839–8220
909 . . . . . NP
915 Arvin L Vanderveen . . 79 839–0260
1001 W J Theis 72 941–1917
1011 1020 . . . . . NP
1021 Richard R Rumpel . . . 79 839–2350
1030 David W Gunderson . . 78 839–0741
1216 . . . . . NP
1232 ★ Colonial Bible Ch . . . 73 839–5011
★ Colonil Chrstn Sch . . 73 839–5012
1304 . . . . . NP
1312 A C Brockman 72 839–9061
1330 Julian W Morrison . . . 85 941–1713
1338 Mark A Berry 80 941–4559
1346 Kenneth Fagerlund . . . 81 941–3668
1403 Mark W Olsen 85 839–4034
1404 Robert Earl Smith . . . 74 839–8089
1414 Mike Musick . . . . . ¤ 839–4933
1426 Clyde N Lulham 77 839–5822
1431 Gary A Cinkovich 72 839–0918
1436 Charles F Woodard . . . 73 839–2226
1441 D L Tousley . . . . . – 839–4739
1458 Edward E Burse 83 839–1253
1506 . . . . . NP
1510 David L Kolbo Sr . . . 72 839–6647
1514 ★ Cosmetique 74 839–8549
1518 . . . . . NP
1525 ★ Ch of Nazrne Fedwy . 85 839–6085
1528 . . . . . NP
1535 J Richmond 83 941–7246
★ Tower Comm Cntr . . 83 941–7245
★ T Montessori Sch . . . 81 941–7245
1538 . . . . . NP
16 & ★ Sacajawea Park 78 941–7340
1600 ★ Hartwood Dev&Inv . . ¤ 838–3323
1604 ★ Movies To Go . . . . . ¤ 838–8477
1612 ★ Pet Fd Cntry &sppl . 85 838–7013
1614 ★ State Liquor Stre . . . 79 931–3972
1616 ★ Westfair Drugs 74 838–9711
1618 ★ Johnnys Food Ctrs . . 81 838–9255
1622 ★ Coast To Coast 838–9650
1624 ★ Golden Wok 80 838–1999
1632 ★ Dash Point Hair . . . . ¤ 874–0227
★ Dashpoint Hair Dsg . . ¤ 874–0227
1638 ★ Westfair Cleaners . . . 83 874–4452
1642 ★ The Suds Work . . . . ¤ 874–0510
1650 ★ Exxon Westfair 85 838–4524
★ Westfair Exxon 79 838–4524
1656 ★ Little Caesars . . . . . ¤ 874–3111
2000 ★ Wayside Church 72 838–0915
2216 Charles T Carter 81 838–5318
2221 Michael G Hanks 83 874–2506
2309 James M Rhen 78 838–4208
2323 . . . . . NP
2333 James A Badgley . . . 73 838–0191
2405 Bruce Hankins 84 838–7263
2650 Wesley A Wingard . . . 72 838–9477

Target Street	Cross Street	Source
✓	-	Coles Publications

PACIFIC HWY S 1981

	★Studio 1		941-4343
29268	29305	.NP	
29314	★Midway Plywood		839-2450
29325		.NP	
29400	Joseph L Proulx		839-4789
29408	★Milos Place		941-6989
29412	★C&W Tax Company		839-6340
	Morris A P Case	.78	839-5221
29418	★Aquarius Trvl Sv		839-4270
29422	★The Navigators	.-	941-5712
29426	★Ginger Spice Fd Wy		941-1663
29623		.NP	
29625	★Jumps Union		839-3023
29805	★Rental Marts		839-6700
	★Rental Marts		839-6701
	★Rental Marts		839-6901
	★Ryder Truck Rental		941-7862
29868		.NP	
29918	★Great Northn Protc	.-	839-0412
29928	★Punkin Inn Day Cre		839-4900
302 &	★Spectrum Disco		839-9074
30333	★Sea Galley		941-4888
30390	★Century 21 Yng Hms		941-3000
304 &	★Mr Sudsy Car Wash		839-5990
30402	★Al Holz Auto Svc		941-0464
30420	J Hurt	.75	839-3115
	George Leber	79	839-6645

Target Street	Cross Street	Source
-	✓	Coles Publications

S DASH POINT RD 1981

DASH POINT RD S 98003
Federal Way
400- 1599 TZ 301 $A..V 4
044830

430 Jim Doulgas 839-5640
432 Patrick Patterson . . . . . .– 941-0676
829 . . . . . .NP
833 Dale C Flygare . . . . . .¤ 839-1144
841 A R Schlichte 80 941-5578
845 Leslie A Hartung 72 839-7072
849 Terry Walvoord 80 839-0426
½ . . . . . .NP
901 James E Shaw 72 839-2234
909 D Wilbanks 79 839-3344
941★Federal Wy Chrstn 941-2711
1101★Sacajawea Jr High 839-7650
1500★Dr J D Burbidge 839-2800
1520★Marine Hills 711 839-4393
★Seven Eleven Fd St 839-4393
1522★Norval H Latimer 839-4420
★Marine Hills Co 839-4420
1530★Dr Lee R Harris 941-3900
★Sacajawea Vet Clnc 941-3900
10 Residence 9 Business

DASH POINT RD SW 98003
Federal Way
1- 3299 TZ 301 $A..V 4
3600- 5399 TZ 303 $B..V 2
044840

304 . . . . . .NP
323 Harry M Boxell 72 839-4343
718 James R Moore 80 839-7839
803 . . . . . .NP
804 Robert C Moore 71 839-4824
816 825 . . . . . .NP
905 J R Leeper 78 839-1156
915 Arvin L Vanderveen 79 839-0260
1001 W J Theis 72 941-1917
1011 1020 . . . . . .NP
1021 Richard R Rumpel 79 839-2350
1030 David W Gunderson 78 839-0741
1216 M Rimkus . . . . . .¤ 839-6387
1232★Colonial Bible Ch 839-5011
★Colonil Chrstn Sch 839-5012
1304 . . . . . .NP
1312 A C Brockman 72 839-9061
1330 Walter O Weigold 77 839-6126
1338 Mark A Berry 80 941-4559
1346 Kenneth Fagerlund . . . . . .¤ 941-3668
1404 Robert Earl Smith 74 839-8089
1411 Roger Dowling . . . . . .– 941-4344
1414 John A Jensen 80 941-2761
1426 Clyde N Lulham 77 839-5822
1431 Gary A Cinkovich 72 839-0918
1436 Charles F Woodard 73 839-2226
1441 Steve Painter 78 839-7873
1458 1506 . . . . . .NP
1510 David L Kolbo Sr 72 839-6647
1514★Cosmetique 839-8549
1518 . . . . . .NP
1525★Fedrl Wy Ch of Naz . . . 839-6085
★Fed Wy Nzrn Pr-Sch . . . 839-6085
1528 . . . . . .NP
1535 J R Kohn 80 941-7246
★T Montessori Sch . . . . .¤ 941-7245
1538 Stephen C Flesher . . . . .– 941-5565
16 &★Sacajawea Park 941-1390
1614★State Liquor Stre 931-3972
1616★Westfair Drugs 838-9711
1622★Coast To Cst Fd Wy . . . 838-9650
1624 Wok Golden 80 838-1999
1628★Dr D L Dahlgard 838-0552
1630★Farmers Ins Group . . . .¤ 941-4141
★Linda Stankevitz 941-4141
Dwight Vandeventer . . . . .– 941-4141
1632★Westfr Styling Saln 838-9447
1650★Westfair Exxon 838-4524
2000★Wayside Church 838-0915
2216 Charles T Carter . . . . . .– 838-5318
2221 John R Patterson 80 838-4848
★Times Wire&Cable 838-4848
2309 James M Rhen 78 838-4208
2323 Victor Osborne 72 838-0969
2333 James A Badgley 73 838-0191
2405 John P Kalberer . . . . . .¤ 838-5483
2650 Wesley A Wingard 72 838-9477
2940 Richard E Bridges 78 838-3033
3200★Visitatn Retrt Ctr 838-9944

Target Street	Cross Street	Source
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PACIFIC HWY S 1977

	★Crestwd Animl Hsp		839-4744
	★Dr R E Ellison		839-4744
28835	★Vitales Itain Rest		839-5363
28866	★Petsville		839-9090
28872	★Richs Corvette Scl		839-8484
29001	★J J		839-2470
	★McLean&Associates		839-5500
	★Lonnie A McLean Jr		839-0355
29005	★Guy&Gals HS Styling		839-0667
29209	★Genevas		839-9490
29223	★Scotts Athltc Eqpt	¤	839-2060
29233	★John L Hale Realty	¤	839-4800
29268		NP	
29270	★C&W Tax Co Pacific		839-6340
	Morris A Case	2	839-5221
29305	Cecil N Walker		839-4025
29314	★Midway Plywood		839-2450
29325	Bob Klaiber	-	941-3128
29400	Joseph L Proulx		839-4789
29404	★Green ACR Day Care		839-2422
29418	★Farmers Ins Group		941-3980
	★T M Madsen Ins	¤	941-3980
	★Gary Major Ins	¤	941-3980
	Mike Persha	¤	941-3980
	★Ron Wiegers Ins	¤	941-3980
29420	★Metro Property	¤	941-3444
29422	★Cal-Western Life	¤	839-4260
29426	★Ginger Spice Hair		941-1663
29623		NP	
29625	★Jumps Union		839-3023
29805	★Rental Marts Inc		839-6701
	★Ryder Truck Rental	-	839-6701
29868		NP	
29918	★H R Elving Rl Est	¤	839-4255
29928	★Punkin Inn Day Cre		839-4900
30390	★Century 21 Rlty	-	941-3000
	★Hair Conspiracy	¤	941-1960
304 &	★Mr Sudsy Car Wash		839-5990
30402	★Al Holz Auto Svc		941-0464
30420	J Hurt	5	839-3115
	J A Johnson		839-0823
	★Steel Lake Motel		839-3151
30421	★Candn-Amer Entrprs		941-1141
30423	★Land&Homes Inc		839-2220
	★One Price Crpt Cln		839-4880
30435	★Mexi-Hut		839-3325
30504	★McIntosh Realty		839-3391
30602	James D Bacon	¤	941-1128

Target Street	Cross Street	Source
-	✓	Coles Publications

S DASH POINT RD 1977

DASH POINT RD S 98003

Federal Way

400- 1599 TZ 301 $A..V 4

041100

432	Jim Douglas		839-5640
829	Vincent J Cavallo	5	839-2514
833	Lou R Nilsen	5	839-1144
841	Clinton J Wilder	4	941-1518
845	Leslie A Hartung	2	839-7072
849	Richard A Chaffee	6	839-2607
901	James E Shaw	2	839-2234
909	Allan Thomason	¤	839-2466
	Lori Woolford	¤	839-2466
941	★Federal Wy Chrstn	-	941-2711
1101	★Sacajawea Jr High		839-7650
1401	★Sacajawea Park		941-1390
1500	★Dr J D Burbidge		839-2800
1520	★Marine Hills 711		839-4393
	★Seven Eleven Fd St		839-4393
1530	★Dr Lee R Harris	¤	941-3900
	★Sacajawea Vet Clnc	¤	941-3900
	9 Residence	8	Business

DASH POINT RD SW 98003

Federal Way

1- 3299 TZ 301 $A..V 4

3800- 5299 TZ 303 $B..V 2

041110

304		NP	
323	Harry M Boxell	2	839-4343
718	Fred C Graf	-	839-7843
803	Stanley Kolodziej	-	839-3711
804		NP	
816	Robert C Moore	1	839-4824
826	Joseph W Reed	4	839-0879
1001	W J Theis	2	941-1917
1011	Bud McBride	5	839-8775
1020	Homer O Barrett	-	839-6357
1021	Ronald Bleam	¤	839-7336
1216	Michael Bue	6	941-0136
1232	★Colonial Bible Ch		839-5011
	F Dean Flint	5	839-3291
1304		NP	
1312	Arthur C Brockman	2	839-9061
1330	Walter O Weigold	¤	839-6126
1404	Robert Earl Smith	4	839-8089
1414	Karl E Martinson	3	941-2491
1426	Clyde N Lulham	-	839-5822
1431	Gary A Cinkovich	2	839-0918
1436	Charles F Woodard	3	839-2226
1441	Dan Pritchard	5	839-6994
1458	Edward Burse	2	839-6991
1506		NP	
1510	David L Kolbo Sr	2	839-6647
1514	★Cosmetique		839-8549
1518	Mike Pietschett	4	839-9597
1525	★Fedrl Wy Ch of Naz		839-6085
	★Fed Wy Nzrn Pr-Sch		839-6085

Target Street	Cross Street	Source
-	✓	Coles Publications

S DASH POINT RD 1977

DASH POINT RD SW

			98003
1528		NP	
1535	★ Dryer Mortuary		839-1282
1538	Aaron A Medres	2	839-3279
1616	★ Westfair Drugs		838-9711
1620	★ Step One		838-3444
1622	★ Coast-To-Cost Strs		838-9650
1624	★ Bensons Fash Apprl		838-1304
1628	★ Dr D L Dahlgard		838-0552
1630	★ Design&Decor		838-0508
1632	★ Westfr Styling Sain		838-9447
1650	★ Westfair Exxon		838-1553
2000	★ Wayside Church		838-0915
2221	A R Schlichte	2	838-0292
2323	Victor Osborne	2	838-0969
2333	James A Badgley	3	838-0191
2650	Wesley A Wingard	2	838-9477
3200	★ Visitatn Retrt Ctr		838-9944
3818	M W Mattingly	2	838-0255
3822	Fay Suttles	2	838-9085
5047	Barry Tam-Hoy	5	838-1671
5211	Raymond D Mathews	¤	838-0999
	36 Residence	15	Business

Target Street	Cross Street	Source
✓	-	Coles Publications

PACIFIC HWY S 1972

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        MARGARET MCBRIDE  -9411098
29005*INTERNATNL BROKRGE¤VE94332
29051*CREATIVE INTERIORS  VE98611
29059*NORDBERG&ASSOCIATE  VE94800
29214*DON MESCHER SALES   VE92450
      *MIDWY PLYWD&SUP CO  VE92450
29268 JOSEPH L PROULX      VE94789
29270*C&W TAX COMPANY      VE96340
       MORRIS A CASE      ¤VE95221
      *SEA TAC EAGLES       VE96300
29305 CECIL N WALKER        VE94025
29325 O W WALKER            VE92465
29623                 NP
29625*DEANS UNION           VE93023
29805*RENTAL MARTS INC      VE96701
      *U-HAUL CO DEALRS     VE96701
29868 B J BRENT             VE94267
30320*N CARLTON&ASSOCS      VE97340
      *MIDWEST LF INS CO    VE97340
30390*BARBECUE PETES       ¤VE99012
      *PLASTIKOS CORP       ¤9411022
      *UNVERSL TAX&BKKPNG   VE98060
304 &*MR SUDSY CAR WASH     VE95990
30402*FED WY RADIATOR SV¤VE99870
      *STL LK RADIATR SER   VE99870
      *AL HOLZ AUTO SVC      9410464
30420 J A JOHNSON           VE90823
      *STEEL LAKE MOTEL     VE93151
30421 HAROLD L JUNTTI      ¤VE93799
      *MAXINES HAIR&THING¤VE91830
       MAURICE E MULLINS0   VE93799
30423*LAND&HOMES INC       -VE92220
      *GILL REALTY           9410363
30435*FARM BOY FRIVE IN     VE93325
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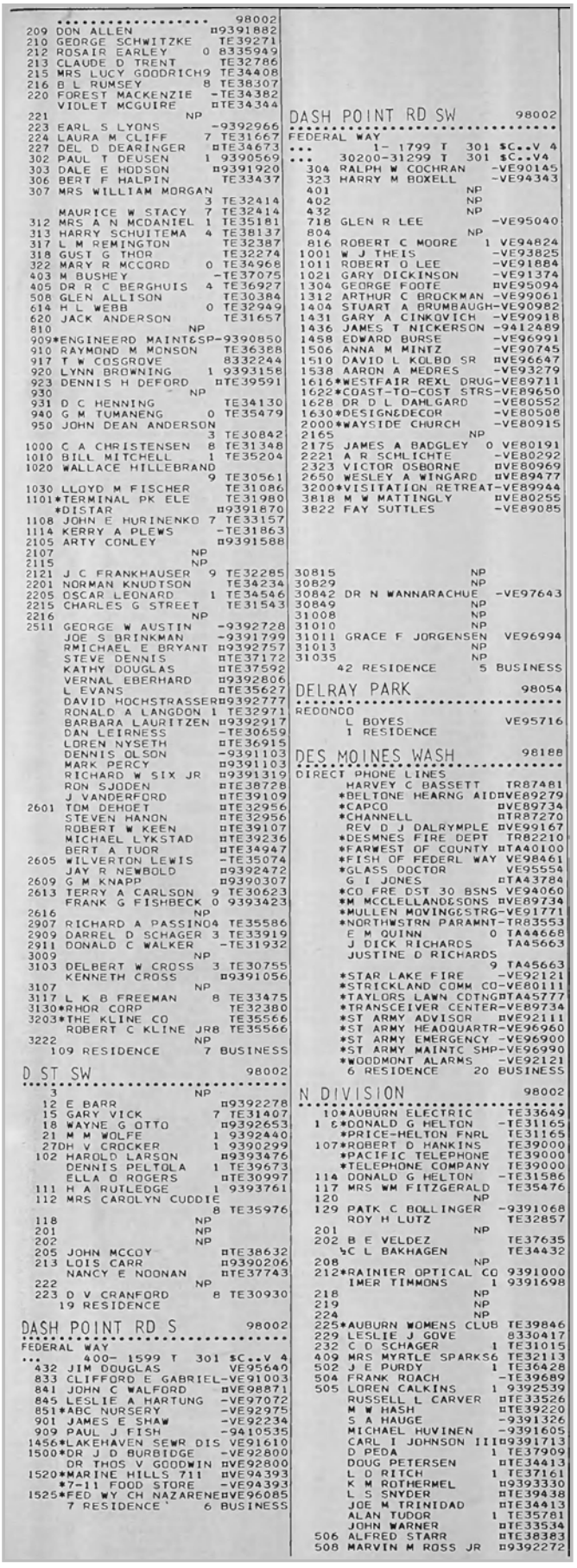
Target Street	Cross Street	Source
-	✓	Coles Publications

S DASH POINT RD 1972



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                                98002
209 DON ALLEN                 ¤9391882
210 GEORGE SCHWITZKE           TE39271
212 ROSAIR EARLEY           0 8335949
213 CLAUDE D TRENT             TE32786
215 MRS LUCY GOODRICH9        TE34408
216 B L RUMSEY              8 TE38307
220 FOREST MACKENZIE         -TE34382
    VIDLET MCGUIRE           ¤TE34344
221                        NP
223 EARL S LYONS           -9392966
224 LAURA M CLIFF          7 TE31667
227 DEL D DEARINGER          ¤TE34673
302 PAUL T DEUSEN          1 9390569
303 DALE E HODSON            ¤9391920
306 BERT F HALPIN              TE33437
307 MRS WILLIAM MORGAN
                           3 TE32414
    MAURICE W STACY        7 TE32414
312 MRS A N MCDANIEL       1 TE35181
313 HARRY SCHUITEMA        4 TE38137
317 L M REMINGTON              TE32387
318 GUST G THOR                TE32274
322 MARY R MCCORD          0 TE34968
403 M BUSHEY                 -TE37075
405 DR R C BERGHUIS        4 TE36927
508 GLEN ALLISON               TE30384
614 H L WEBB               0 TE32949
620 JACK ANDERSON              TE31657
810                        NP
909*ENGINEERD MAINT&SP-9390850
910 RAYMOND M MONSON           TE36388
917 T W COSGROVE               8332244
920 LYNN BROWNING          1 9393158
923 DENNIS H DEFORD          ¤TE39591
930                        NP
931 D C HENNING                TE34130
940 G M TUMANENG           0 TE35479
950 JOHN DEAN ANDERSON
                           3 TE30842
1000 C A CHRISTENSEN       8 TE31348
1010 BILL MITCHELL         1 TE35204
1020 WALLACE HILLEBRAND
                           9 TE30561
1030 LLOYD M FISCHER           TE31086
1101*TERMINAL PK ELE           TE31980
   *DISTAR                   ¤9391870
1108 JOHN E HURINENKO      7 TE33157
1114 KERRY A PLEWS           -TE31863
2105 ARTY CONLEY             ¤9391588
2107                       NP
2115                       NP
2121 J C FRANKHAUSER       9 TE32285
2201 NORMAN KNUDTSON           TE34234
2205 OSCAR LEONARD         1 TE34546
2215 CHARLES G STREET          TE31543
2216                       NP
2511 GEORGE W AUSTIN         -9392728
     JOE S BRINKMAN          -9391799
     RMICHAEL E BRYANT       ¤9392757
     STEVE DENNIS            ¤TE37172
     KATHY DOUGLAS           ¤TE37592
     VERNAL EBERHARD         ¤9392806
     L EVANS                 ¤TE35627
     DAVID HOCHSTRASSER      ¤9392777
     RONALD A LANGDON        1 TE32971
     BARBARA LAURITZEN       ¤9392917
     DAN LEIRNESS            -TE30659
     LOREN NYSETH            ¤TE36915
     DENNIS OLSON            -9391103
     MARK PERCY              ¤9391103
     RICHARD W SIX JR        ¤9391319
     RON SJODEN              ¤TE38728
     J VANDERFORD            ¤TE39109
2601 TOM DEHOET              ¤TE32956
     STEVEN HANON            ¤TE32956
     ROBERT W KEEN           ¤TE39107
     MICHAEL LYKSTAD         ¤TE39236
     BERT A TUOR             ¤TE34947
2605 WILVERTON LEWIS         -TE35074
     JAY R NEWBOLD           ¤9392472
2609 G M KNAPP               ¤9390307
2613 TERRY A CARLSON       9 TE30623
     FRANK G FISHBECK      0 9393423
2616                       NP
2907 RICHARD A PASSINO4      TE35586
2909 DARREL D SCHAGER      3 TE33919
2911 DONALD C WALKER         -TE31932
3009                       NP
3103 DELBERT W CROSS       3 TE30755
     KENNETH CROSS           ¤9391056
3107                       NP
3117 L K B FREEMAN         8 TE33475
3130*RHOR CORP                 TE32380
3203*THE KLINE CO              TE35566
     ROBERT C KLINE JR8 TE35566
3222                       NP
   109 RESIDENCE         7 BUSINESS

D ST SW                         98002
   3                       NP
  12 E BARR                ¤9392278
  15 GARY VICK           7 TE31407
  18 WAYNE G OTTO          ¤9392653
  21 M M WOLFE           1 9392440
  27DH V CROCKER         1 9390299
 102 HAROLD LARSON         ¤9393476
     DENNIS PELTOLA       1 TE39673
     ELLA O ROGERS          ¤TE30997
 111 H A RUTLEDGE         1 9393761
 112 MRS CAROLYN CUDDIE
                          8 TE35976
 118                      NP
 201                      NP
 202                      NP
 205 JOHN MCCOY             ¤TE38632
 213 LOIS CARR              ¤9390206
     NANCY E NOONAN         ¤TE37743
 222                      NP
 223 D V CRANFORD         8 TE30930
   19 RESIDENCE

DASH POINT RD S                 98002
FEDERAL WAY
...    400- 1599 T  301 $C..V 4
 432 JIM DOUGLAS              VE95640
 833 CLIFFORD E GABRIEL-VE91003
 841 JOHN C WALFORD         ¤VE98871
 845 LESLIE A HARTUNG         -VE97072
 851*ABC NURSERY              -VE92975
 901 JAMES E SHAW             -VE92234
 909 PAUL J FISH              -9410535
1456*LAKEHAVEN SEWR DIS VE91610
1500*DR J D BURBIDGE          -VE92800
     DR THOS V GOODWIN       ¤VE92800
1520*MARINE HILLS 711        ¤VE94393
   *7-11 FOOD STORE           -VE94393
1525*FED WY CH NAZARENE      ¤VE96085
   7 RESIDENCE           6 BUSINESS

DASH POINT RD SW                98002
FEDERAL WAY
...    1- 1799 T  301 $C..V 4
...   30200-31299 T  301 $C..V4
 304 RALPH W COCHRAN           -VE90145
 323 HARRY M BOXELL            -VE94343
 401                      NP
 402                      NP
 432                      NP
 718 GLEN R LEE                -VE95040
 804                      NP
 816 ROBERT C MOORE         1 VE94824
1001 W J THEIS                 -VE93825
1011 ROBERT O LEE              -VE91884
1021 GARY DICKINSON            -VE91374
1304 GEORGE FOOTE            ¤VE95094
1312 ARTHUR C BROCKMAN        -VE99061
1404 STUART A BRUMBAUGH-VE90982
1431 GARY A CINKOVICH         -VE90918
1436 JAMES T NICKERSON        -9412489
1458 EDWARD BURSE              -VE96991
1506 ANNA M MINTZ              -VE90745
1510 DAVID L KOLBO SR        ¤VE96647
1538 AARON A MEDRES            -VE93279
1616*WESTFAIR REXL DRUG-VE89711
1622*COAST-TO-COST STRS-VE89650
1628 DR D L DAHLGARD           -VE80552
1630*DESIGN&DECOR               -VE80508
2000*WAYSIDE CHURCH            -VE80915
2165                       NP
2175 JAMES A BADGLEY       0 VE80191
2221 A R SCHLICHTE             -VE80292
2323 VICTOR OSBORNE          ¤VE80969
2650 WESLEY A WINGARD        ¤VE89477
3200*VISITATION RETREAT-VE89944
3818 M W MATTINGLY           ¤VE80255
3822 FAY SUTTLES               -VE89085

30815                      NP
30829                      NP
30842 DR N WANNARACHUE         -VE97643
30849                      NP
31008                      NP
31010                      NP
31011 GRACE F JORGENSEN        VE96994
31013                      NP
31035                      NP
    42 RESIDENCE          5 BUSINESS

DELRAY PARK                     98054
REDONDO
     L BOYES                   VE95716
   1 RESIDENCE

DES MOINES WASH                 98188
DIRECT PHONE LINES
     HARVEY C BASSETT          TR87481
    *BELTONE HEARNG AID      ¤VE89279
    *CAPCO                   ¤VE89734
    *CHANNELL                ¤TR87270
     REV D J DALRYMPLE       ¤VE99167
    *DESMNES FIRE DEPT         TR82210
    *FARWEST OF COUNTY       ¤TA40100
    *FISH OF FEDERL WAY      ¤VE98461
    *GLASS DOCTOR              VE95554
     G I JONES               ¤TA43784
    *CO FRE DST 30 BSNS      VE94060
    *M MCCLELLAND&SONS       ¤VE89734
    *MULLEN MOVING&STRG-VE91771
    *NORTHWSTRN PARAMNT-TR83553
     E M QUINN               0 TA44668
     J DICK RICHARDS           TA45663
     JUSTINE D RICHARDS
                             9 TA45663
    *STAR LAKE FIRE          -VE92121
    *STRICKLAND COMM CO-VE80111
    *TAYLORS LAWN CDTNG      ¤TA45777
    *TRANSCEIVER CENTER-VE89734
    *ST ARMY ADVISOR         ¤VE92111
    *ST ARMY HEADQUARTR-VE96960
    *ST ARMY EMERGENCY -VE96900
    *ST ARMY MAINTC SHP-VE96990
    *WOODMONT ALARMS         -VE92121
     6 RESIDENCE          20 BUSINESS

N DIVISION                      98002
  10*AUBURN ELECTRIC           TE33649
1 6*DONALD G HELTON            -TE31165
    *PRICE-HELTON FNRL         TE31165
 107*ROBERT D HANKINS          TE39000
    *PACIFIC TELEPHONE         TE39000
    *TELEPHONE COMPANY         TE39000
 114 DONALD G HELTON            -TE31586
 117 MRS WM FITZGERALD          TE35476
 120                      NP
 129 PATK C BOLLINGER          -9391068
     ROY H LUTZ                 TE32857
 201                      NP
 202 B E VELDEZ                 TE37635
    ¼C L BAKHAGEN               TE34432
 208                      NP
 212*RAINIER OPTICAL CO 9391000
     IMER TIMMONS           1 9391698
 218                      NP
 219                      NP
 224                      NP
 225*AUBURN WOMENS CLUB TE39846
 229 LESLIE J GOVE          8330417
 232 C O SCHAGER            1 TE31015
 409 MRS MYRTLE SPARKS6       TE32113
 502 J E PURDY              1 TE36428
 504 FRANK ROACH              -TE39689
 505 LOREN CALKINS          1 9392539
     RUSSELL L CARVER        ¤TE33526
     M W HASH                ¤TE39220
     S A HAUGE               -9391326
     MICHAEL HUVINEN         -9391605
     CARL I JOHNSON III      ¤9391713
     D PEDA                 1 TE37909
     DOUG PETERSEN           ¤TE34413
     L D RITCH              1 TE37161
     K M ROTHERMEL           ¤9393330
     L S SNYDER              ¤TE39438
     JOE M TRINIDAD          ¤TE34413
     ALAN TUDOR             1 TE35781
     JOHN WARNER             ¤TE33534
 506 ALFRED STARR            ¤TE38383
 508 MARVIN M ROSS JR        ¤9392272
```

Target Street	Cross Street	Source
✓	-	Coles Publications

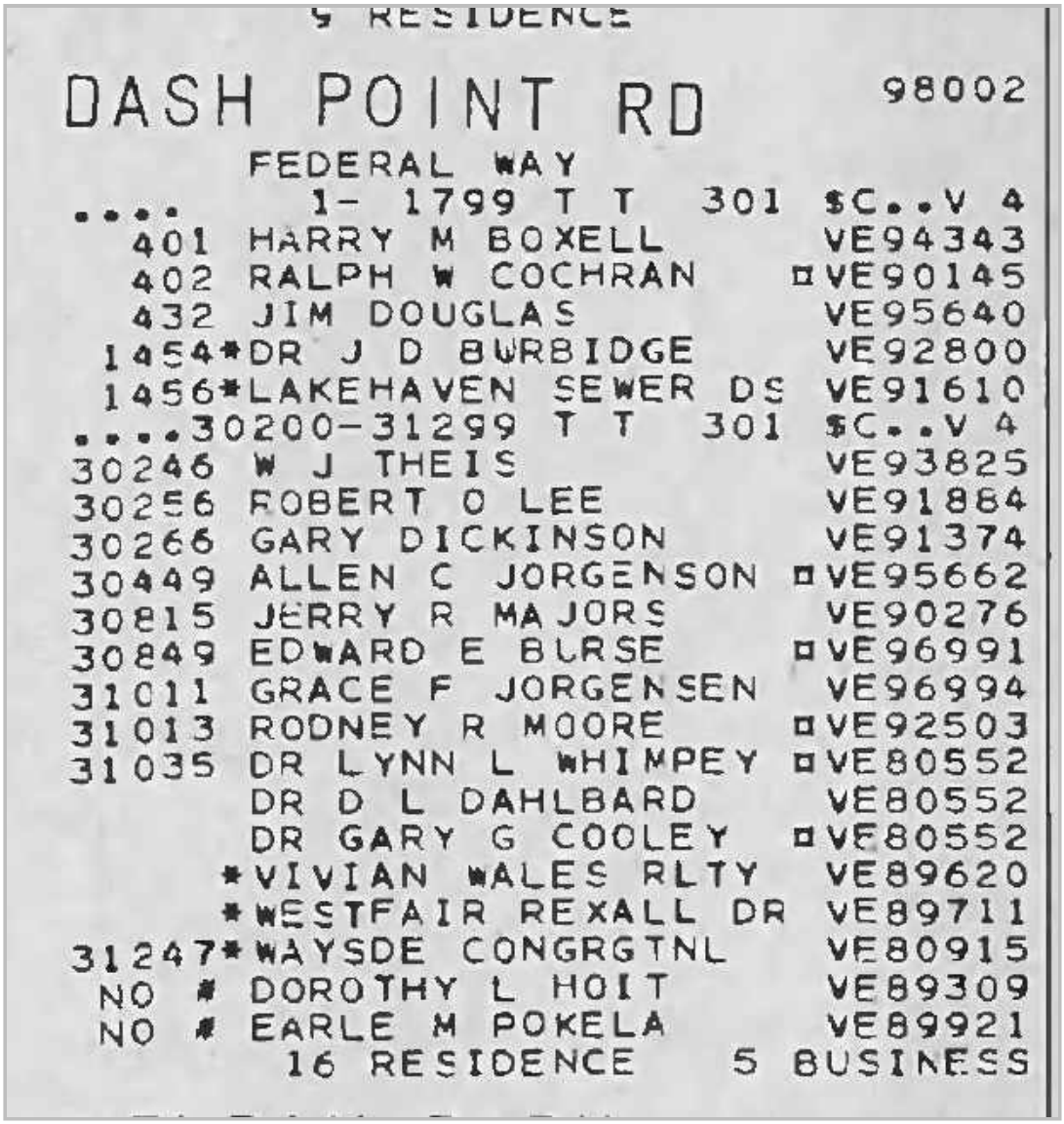
PACIFIC HWY S 1969

PACIFIC HWY S 98002

FEDERAL WAY
....26600-34499 T T 300 $C..U 4
26646 LOYD F MUSSULMAN 6 VE96462
27802*HI-LINE TRLR REPAR-VE93744
28050 L B HAMILTON VE95016
28252 KARL SYFRIG 6 VE95607
28606*BLUE RIDGE APTS VE92058
NANCY BEHAN ¤VE91468
SUSIE SCHWARTZ ¤VE91468
VICKI RACEY ¤VE91468
MRS GLADYS V DAVIS VE91658
*HUBNER BROS CONSTR VE92058
A A SNELL VE92144
NORMAN S HUBNER VE92784
ARTHUR F DEKOKER -VE93303
JACK E HOOTON VE94028
DONALD A DANIELS VE94095
ROSALEE ROBERTS VE97969
M N GUPPY VE97969
WILLIAM J MAXWELL VE99375
LEE NEVERS -VE91201
FRANK T RICE ¤VE99955
28619*QUIMBY UNFINSH FRN VE90850
28620*CLAREMONT MOTEL VE99807
P A ANDERSON VE92059
JOSEPH A RINGIS VE92213
28643 JOHN ALLEN BROWN ¤VE94159
28645*LARRYS BARBER SHOP¤VE93320
28822*DR WM G BALDWIN VE94744
*CRESTWOOD ANML HOS VE94744
*DR R E ELLISON VE94744
28836*HALLMRK PLBG CONTR VE97733
28866*ACME ALUMINUM PROD VE94171

Target Street	Cross Street	Source
-	✓	Coles Publications

S DASH POINT RD 1969



5 RESIDENCE

DASH POINT RD 98002

FEDERAL WAY

1- 1799 T T 301 $C..V 4

401 HARRY M BOXELL VE94343
402 RALPH W COCHRAN ▫VE90145
432 JIM DOUGLAS VE95640
1454*DR J D BURBIDGE VE92800
1456*LAKEHAVEN SEWER DS VE91610

30200-31299 T T 301 $C..V 4

30246 W J THEIS VE93825
30256 ROBERT O LEE VE91884
30266 GARY DICKINSON VE91374
30449 ALLEN C JORGENSON ▫VE95662
30815 JERRY R MAJORS VE90276
30849 EDWARD E BURSE ▫VE96991
31011 GRACE F JORGENSEN VE96994
31013 RODNEY R MOORE ▫VE92503
31035 DR LYNN L WHIMPEY ▫VE80552
DR D L DAHLBARD VE80552
DR GARY G COOLEY ▫VE80552
*VIVIAN WALES RLTY VE89620
*WESTFAIR REXALL DR VE89711
31247*WAYSDE CONGRGTNL VE80915
NO # DOROTHY L HOIT VE89309
NO # EARLE M POKELA VE89921

16 RESIDENCE 5 BUSINESS

CF Federal Way LLC
29805 Pacific Hwy S
FEDERAL WAY, WA 98003

Inquiry Number: 6082624.3
June 04, 2020

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

06/04/20

Site Name:

CF Federal Way LLC
29805 Pacific Hwy S
FEDERAL WAY, WA 98003
EDR Inquiry # 6082624.3

Client Name:

TGE Resources, Inc.
8048 Northcourt Road
Houston, TX 77040-0000
Contact: Gwen Younts

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by TGE Resources, Inc. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

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Certified Sanborn Results:

Certification # 860C-4968-B5D3

PO # NA

Project R14196.01

UNMAPPED PROPERTY

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Sanborn® Library search results

Certification #: 860C-4968-B5D3

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

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APPENDIX E

Photograph 1. Overview of construction activities at the Property.

Photograph 2. View of VIMS installation at the Site.

Photograph 3. West Site limits, looking north.

Photograph 4. Five gallon plastic containers of mastic associated with the VIMS installation located at the northeast portion of the Property.

Photograph 5. View of portable stormwater tanks and construction diesel AST located at the north portion of the Property.

Photograph 6. View of a construction dumpster at the southeast portion of the Property.

Photograph 7. View of a pad mounted transformer adjacent to the northeast corner of the Property.

Photograph 8. View of the interior of a storage container used by Anderson Construction located at the northern portion of the Property.

Photograph 9. View of sand and gravel for VIMS and utility installation, located at the southern portion of the Property.

Photograph 10. View of sanitary sewer connection activities at the Property.

Photograph 11. View of the future detention pond area located at the southern portion of the Property.

Photograph 12. North adjoining property, a gasoline service station.

Photograph 13. North adjoining property, Sacajawea Healthcare for Pets.

Photograph 14. South adjoining property, Federal Way Motel.

Photograph 15. East adjoining property, a multi-tenant residential complex.

Photograph 16. West adjoining property, Sacajawea Park.

APPENDIX F

Cleanup Site Details

Cleanup Site ID: 5427

Cleanup Site ID: 5427 **Facility/Site ID:** 7222592 **UST ID:** 6523 Site Page | Site Documents | View Map

Cleanup Site Name: Payless Auto Mart Glossary

Alternate Names: Payless Auto, Payless Auto Mart, RENTAL MARTS, Ruth Evans Trust

LOCATION

Address: 29805 PACIFIC HWY S **City:** FEDERAL WAY **Zip Code:** 98003 **County:** King

Latitude: 47.33492 **Longitude:** -122.31275 **WRIA:** 9 **Legislative District:** 30 **Congressional District:** 9 **TRS:**

DETAIL

Status: Cleanup Started **NFA Received?** No **Is PSI site?** No

Statute: MTCA **NFA Date:** N/A **Current VCP?** Yes **Past VCP?** Yes

Site Rank: N/A **NFA Reason:** N/A **Brownfield?** No

Site Manager: Warfel, Michael **Responsible Unit:** Northwest **Active Institutional Control?** No

CLEANUP UNITS

Cleanup Unit Name	Unit Type	Unit Status	Resp Unit	Unit Manager	Current Process
Payless Auto Mart	Upland	Cleanup Started	NW	Warfel, Michael	Voluntary Cleanup Program

ACTIVE INSTITUTIONAL CONTROLS

Instrument Type	Restriction Media	Restrictions/Requirements	Date	Recording Number	Recording County	Tax Parcel
There are no current Institutional Controls in effect for this site.						

AFFECTED MEDIA & CONTAMINANTS

	MEDIA					
Contaminant	**Soil**	**Groundwater**	**Surface Water**	**Sediment**	**Air**	**Bedrock**
Petroleum-Diesel	C					
Petroleum-Other	C					

Key:
B - Below Cleanup Level C - Confirmed Above Cleanup Level RA - Remediated-Above
S - Suspected R - Remediated RB - Remediated-Below

SITE ACTIVITIES

Activity	Status	Start Date	End Date/ Completion Date
LUST - Report Received	Completed		7/26/1993
LUST - Report Received	Completed		7/26/1993
LUST - Notification	Completed		8/26/1993
LUST - Report Received	Completed		7/27/1994
LUST - Report Received	Completed		3/8/2001
VCP Opinion on Cleanup Action	Completed	3/13/2001	5/17/2001
Site Status Changed to NFA	Completed		5/17/2001
LUST - Report Received	Completed		4/16/2020
LUST - Report Received	Completed		4/16/2020

SITE ACTIVITIES

Activity	Status	Start Date	End Date/ Completion Date
LUST - Report Received	Completed		4/16/2020
LUST - Report Received	Completed		4/16/2020
LUST - Report Received	Completed		4/16/2020
Reopen Site	Completed		5/12/2020
VCP Opinion on Site Cleanup	In Process	5/14/2020	

Cleanup Site Details

Cleanup Site ID: 6688

Cleanup Site ID: 6688 **Facility/Site ID:** 79813564 **UST ID:** 8504 Site Page | Site Documents | View Map

Cleanup Site Name: FW SHELL & DELI MART Glossary

Alternate Names: 509 DELI & TOWN PUMP, FW SHELL & DELI MART, SHELL MINI MART, UNOCAL 6227

LOCATION

Address: 29625 PACIFIC HWY S **City:** FEDERAL WAY **Zip Code:** 98003 **County:** King

Latitude: 47.33640 **Longitude:** -122.31259 **WRIA:** 9 **Legislative District:** 30 **Congressional District:** 9 **TRS:** 21N 4E 4

DETAIL

Status: No Further Action **NFA Received?** Yes **Is PSI site?** No

Statute: MTCA **NFA Date:** 1/27/2006 **Current VCP?** No **Past VCP?** Yes

Site Rank: N/A **NFA Reason:** Voluntary Cleanup Program Review **Brownfield?** No

Site Manager: Liu, Jing **Responsible Unit:** Northwest **Active Institutional Control?** No

CLEANUP UNITS

Cleanup Unit Name	Unit Type	Unit Status	Resp Unit	Unit Manager	Current Process
UNOCAL STATION # 6227	Upland	No Further Action Required	NW	Northwest Region	Voluntary Cleanup Program

ACTIVE INSTITUTIONAL CONTROLS

Instrument Type	Restriction Media	Restrictions/Requirements	Date	Recording Number	Recording County	Tax Parcel
There are no current Institutional Controls in effect for this site.						

AFFECTED MEDIA & CONTAMINANTS

	MEDIA					
Contaminant	**Soil**	**Groundwater**	**Surface Water**	**Sediment**	**Air**	**Bedrock**
Lead	C					
Petroleum Products-Unspecified		B				
Petroleum-Gasoline	C					
Petroleum-Other	C					

Key:
B - Below Cleanup Level
S - Suspected
C - Confirmed Above Cleanup Level
R - Remediated
RA - Remediated-Above
RB - Remediated-Below

SITE ACTIVITIES

Activity	Status	Start Date	End Date/ Completion Date
LUST - Notification	Completed		11/22/1989
LUST - Report Received	Completed		11/27/1989
LUST - Report Received	Completed		1/17/1991
LUST - Report Received	Completed		4/10/1991
LUST - Report Received	Completed		12/5/2005
VCP Opinion on Cleanup Action	Completed	12/7/2005	1/27/2006
Site Status Changed to NFA	Completed		1/27/2006

Cleanup Site Details

7/20/2017

KING COUNTY

SITE ID:	**Rental Marts**		Cleanup Site ID: 5427		FS ID: 7222592
	Alternate Name(s):	RENTAL MARTS, Ruth Evans Trust			
LOCATION:		WRIA: 9	Lat/Long:	47.335 -122.312	View Vicinity Map
Address:	29805 PACIFIC HWY S		Township	Range Section	Legislative District: 30
	FEDERAL WAY 98003-4233		21N	4E 4	Congressional District: 9
STATUS:	**No Further Action**	Rank:	View Site Web Page		View Site Documents
	Responsible Unit: Northwest	Site Manager: Becker, Sunny	Statute: MTCA		
	Is Brownfield?	Has Environmental Covenant?	Is PSI Site?		
	NFA Received? Yes	NFA Date: 5/17/2001	NFA Reason: NFA-Voluntary Cleanup Program Review		

ASSOCIATED CLEANUP UNIT(s)

cuID	Cleanup Unit Name	Unit Type	Process Type	Unit Status	Size (Acres)	ERTS ID
5711	Rental Mart	Upland	Voluntary Cleanup Program	No Further Action Required		

SITE ACTIVITIES:

Applies to:	Related ID (Unit-LUST-VCP)	Activity Display Name	Status	Start Date	End Date	Legal Mechanism	Performed By	Project Manager
CleanupSite		Site Status Changed to NFA	Completed	5/17/2001	5/17/2001			
LUST		LUST - Notification	Completed	8/26/1993	8/26/1993			
LUST		LUST - Report Received	Completed	3/8/2001	3/8/2001			
LUST		LUST - Report Received	Completed	7/27/1994	7/27/1994			
LUST		LUST - Report Received	Completed	7/26/1993	7/26/1993			
LUST		LUST - Report Received	Completed	7/26/1993	7/26/1993			
VcpProject	NW0623	VCP Opinion on Cleanup Action	Completed	3/13/2001	5/17/2001			Northwest Region

AFFECTED MEDIA & CONTAMINANTS:

Media:

Contaminant:	Ground Water	Surface Water	Soil	Sediment	Air	Bedrock
Petroleum-Diesel			C			
Petroleum-Other			C			

Key:
B - Below Cleanup Level
C - Confirmed Above Cleanup Level
S - Suspected
R - Remediated
RA - Remediated-Above
RB - Remediated-Below

CleanupSiteDetails2014

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
Northwest Regional Office • 3190 160th Avenue SE • Bellevue, WA 98008-5452 • 425-649-7000
711 for Washington Relay Service • Persons with a speech disability can call 877-833-6341

May 14, 2020

Trina Tan
MultiCare Health System, LLC.
315 Martin Luther King Jr Way, MS 870-7-PSR
Tacoma, WA 98405

Re: Rescission of No Further Action (NFA) Status for the Following Site:

- **Site Name:** Payless Auto Mart
- **Site Address:** 29805 Pacific Hwy S, Federal Way, Washington 98003
- **Cleanup Site ID:** 5427
- **Facility/Site No.:** 7222592
- **VCP Project No.:** NW3270

Dear Trina Tan:

The Department of Ecology (Ecology) issued a No Further Action (NFA) determination letter for this site on May 17, 2001. Information submitted to Ecology in October 2019 indicates that additional impacts have been discovered at the site. Based on this information, Ecology has determined that the May 17, 2001 NFA determination be rescinded. The effective date of the rescission is the date of this letter.

Next Steps
Ecology will update its database to reflect that Ecology has rescinded the August 21, 1995 NFA determination for this site. The site will be listed in future publications of the Confirmed & Suspected Contaminated Sites Report.

If you have any questions, please contact me at (425) 649-7209 or by e-mail at louise.bardy@ecy.wa.gov.

Sincerely,

Louise Bardy
Voluntary Cleanup Unit Supervisor
Toxics Cleanup Program

SF:sf

Enclosure: Copy of VCP Agreement

cc: Tim Crump, TGE Resources, Inc., (e-mail)
Sonia Fernandez, VCP Coordinator, NWRO (e-mail)

006523

006523

UNDERGROUND STORAGE TANK
Site Check/Site Assessment Checklist

For Office Use Only
Owner #
Site #

INSTRUCTIONS:

When a release has **not** been confirmed and reported, this Site Check/Site Assessment Checklist must be completed and signed by a person registered with the Department of Ecology. **The results of the site check or site assessment must be included with this checklist.** This form must be submitted to Ecology at the address shown below within 30 days after completion of the site check/site assessment.

SITE INFORMATION: Include the Ecology site ID number if the tanks are registered with Ecology. This number may be found on the tank owner's invoice or tank permit.

TANK INFORMATION: Please list all the tanks for which the site check and site assessment is being conducted. Use the tank ID number if available, and indicate tank capacity and substance stored.

REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT: Please check the appropriate item.

CHECKLIST: Please initial each item in the appropriate box.

SITE ASSESSOR INFORMATION: This form must be signed by the registered site assessor who is responsible for conducting the site check/ site assessment.

Underground Storage Tank Section
Department of Ecology
P. O. Box 47655
Olympia, WA 98504-7655

SITE INFORMATION

Site ID Number (on invoice or available from Ecology if the tanks are registered): _____

Site/Business Name: _____

Site Address: 29805 PAC HI SO (Street) Telephone: (___) —

FEDERAL WAY (City) WA (State) 98003 (ZIP-Code)

TANK INFORMATION

Tank ID No.	Tank Capacity	Substance Stored
T1		
T2		
T3		

REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT

Check one:

- ____ Investigate suspected release due to on-site environmental contamination.
- ____ Investigate suspected release due to off-site environmental contamination.
- ____ Extend temporary closure of UST system for more than 12 months.
- ____ UST system undergoing change-in-service.
- ____ UST system permanently closed-in-place.
- XXX UST system permanently closed with tank removed.
- ____ Abandoned tank containing product.
- ____ Required by Ecology or delegated agency for UST system closed before 12/22/88.
- ____ Other (describe): _____

TANK 1

CHECKLIST

Each item of the following checklist shall be initialed by the person registered with the Department of Ecology whose signature appears below.

		YES	NO
1.	The location of the UST site is shown on the vicinity map.	MW	
2.	A brief summary of information obtained during the site inspection is provided. (see Section 3.2 in the Site Assessment Guidance)	MW	
3.	A summary of UST system data is provided. (see Section 3.1)	MW	
4.	The soils characteristics at the UST site are described. (see Section 5.2)	MW	
5.	Is there apparent groundwater in the tank excavation?		MW
6.	A brief description of the surrounding land is provided. (see Section 3.1)	MW	
7.	Information has been provided indicating the number and types of samples collected, methods used to collect and analyze the samples, and the name and address of the laboratory used to perform the analyses.	MW	
8.	A sketch or sketches showing the following items is provided:		
	- location and ID number for all field samples collected	MW	
	- groundwater samples distinguished from soil samples (if applicable)	MW	
	- samples collected from stockpiled excavated soil	MW	
	- tank and piping locations and limits of excavation pit	MW	
	- adjacent structures and streets	MW	
	- approximate locations of any on-site and nearby utilities	MW	
9.	If sampling procedures different from those specified in the guidance were used, has justification for using these alternative sampling procedures been provided? (see Section 3.4)	MW	
10.	A table is provided showing laboratory results for each sample collected including: sample ID number, constituents analyzed for and corresponding concentration, analytical method and detection limit for that method.	MW	
11.	Any factors that may have compromised the quality of the data or validity of the results are described.	MW	
12.	*The results of this site check/site assessment indicate that a confirmed release of regulated substance has occured.*		MW

SITE ASSESSOR INFORMATION

MARK WATTS (IFCI # 42954) DATE

PERSON REGISTERED WITH ECOLOGY — FIRM AFFILIATED WITH

BUSINESS ADDRESS: 6347 Seaview Ave NW — TELEPHONE: (206) 781-1449

Seattle — WA — 98107

CITY — STATE — ZIP+CODE

I hereby certify that I have been in responsible charge of performing the site check / site assessment described above. Persons submitting false information are subject to penalties under Chapter 173-360 WAC.

1/02/01

Date

Mark Watts

Signature of Person Registered with Ecology

TANK 2

CHECKLIST

Each item of the following checklist shall be initialed by the person registered with the Department of Ecology whose signature appears below.

		YES	NO
1.	The location of the UST site is shown on the vicinity map.	MW	
2.	A brief summary of information obtained during the site inspection is provided. (see Section 3.2 in the Site Assessment Guidance)	MW	
3.	A summary of UST system data is provided. (see Section 3.1)	MW	
4.	The soils characteristics at the UST site are described. (see Section 5.2)	MW	
5.	Is there apparent groundwater in the tank excavation?		MW
6.	A brief description of the surrounding land is provided. (see Section 3.1)	MW	
7.	Information has been provided indicating the number and types of samples collected, methods used to collect and analyze the samples, and the name and address of the laboratory used to perform the analyses.	MW	
8.	A sketch or sketches showing the following items is provided:		
	- location and ID number for all field samples collected	MW	
	- groundwater samples distinguished from soil samples (if applicable)	MW	
	- samples collected from stockpiled excavated soil	MW	
	- tank and piping locations and limits of excavation pit	MW	
	- adjacent structures and streets	MW	
	- approximate locations of any on-site and nearby utilities	MW	
9.	If sampling procedures different from those specified in the guidance were used, has justification for using these alternative sampling procedures been provided? (see Section 3.4)	MW	
10.	A table is provided showing laboratory results for each sample collected including: sample ID number, constituents analyzed for and corresponding concentration, analytical method and detection limit for that method.	MW	
11.	Any factors that may have compromised the quality of the data or validity of the results are described.	MW	
12.	*The results of this site check/site assessment indicate that a confirmed release of regulated substance has occured.*		MW

SITE ASSESSOR INFORMATION

MARK WATTS (IFCI # 92954) / ATC

PERSON REGISTERED WITH ECOLOGY / FIRM AFFILIATED WITH

BUSINESS ADDRESS: 6347 Seaview Ave NW TELEPHONE: (206) 781 1449

Seattle, WA 98107

CITY / STATE / ZIP+CODE

I hereby certify that I have been in responsible charge of performing the site check / site assessment described above. Persons submitting false information are subject to penalties under Chapter 173-360 WAC.

1/02/04 — Mark Watts

Date / Signature of Person Registered with Ecology

TANK

CHECKLIST

Each item of the following checklist shall be initialed by the person registered with the Department of Ecology whose signature appears below.

		YES	NO
1.	The location of the UST site is shown on the vicinity map.	DH	
2.	A brief summary of information obtained during the site inspection is provided. (see Section 3.2 in the Site Assessment Guidance)	DH	
3.	A summary of UST system data is provided. (see Section 3.1)	DH	
4.	The soils characteristics at the UST site are described. (see Section 5.2)	DH	
5.	Is there apparent groundwater in the tank excavation? Perched Seasonal	DH	
6.	A brief description of the surrounding land is provided. (see Section 3.1)	DH	
7.	Information has been provided indicating the number and types of samples collected, methods used to collect and analyze the samples, and the name and address of the laboratory used to perform the analyses.	DH	
8.	A sketch or sketches showing the following items is provided:		
	- location and ID number for all field samples collected	DH	
	- groundwater samples distinguished from soil samples (if applicable)	DH	
	- samples collected from stockpiled excavated soil	DH	
	- tank and piping locations and limits of excavation pit	DH	
	- adjacent structures and streets	DH	
	- approximate locations of any on-site and nearby utilities	DH	
9.	If sampling procedures different from those specified in the guidance were used, has justification for using these alternative sampling procedures been provided? (see Section 3.4)	DH	
10.	A table is provided showing laboratory results for each sample collected including: sample ID number, constituents analyzed for and corresponding concentration, analytical method and detection limit for that method.	DH	
11.	Any factors that may have compromised the quality of the data or validity of the results are described.	DH	
12.	*The results of this site check/site assessment indicate that a confirmed release of regulated substance has occured.*	DH	

SITE ASSESSOR INFORMATION

DONNA HEWITT (IFC II 104716-24) ATC

PERSON REGISTERED WITH ECOLOGY — FIRM AFFILIATED WITH

BUSINESS ADDRESS: 6347 Seaview Avenue NW TELEPHONE: (206) 781-1449

Seattle — WA — 98107

CITY — STATE — ZIP+CODE

I hereby certify that I have been in responsible charge of performing the site check/site assessment described above. Persons submitting false information are subject to penalties under Chapter 173-360 WAC.

12/29/00

Date

Donna Hewitt

Signature of Person Registered with Ecology

UNDERGROUND STORAGE TANK
Permanent Closure/Change-In-Service Checklist

006523
U0000432

The purpose of this form is to certify the proper closure/change-in-service of underground storage tank (UST) systems. These activities must be conducted in accordance with Chapter 173.360 WAC. Washington State UST rules require the tank owner or operator to notify Ecology in writing 30 days prior to closure or change-in-service of tanks. This must be done by completing the 30 Day Notice form (ECY 010-155).

This Permanent Closure Checklist shall be completed and signed by a Licensed Decommissioning Supervisor. The supervisor shall be on site when all tank permanent closure/change-in-service activities are being conducted. The firm which employs the licensed supervisor shall also be licensed by the Washington State Department of Ecology as a Service Provider. If any of the activities listed below have been supervised by a different licensed supervisor, a separate checklist must be filled out and signed by the licensed supervisor performing those activities.

For further information about completing this form, please contact the Department of Ecology UST Program.

A separate checklist must be completed for each UST system (tank and associated piping), except that UST systems at one site may be reported together by completing page 2 of this form separately for each system. The completed checklist should be mailed to the following address within 30 days of the completion of the closure or change-in-service.

Underground Storage Tank Section
Department of Ecology
Mail Stop PV-11
Olympia, WA 98504-8711

RECEIVED
AUG 26 1993
DEPARTMENT OF ECOLOGY
UNDERGROUND STORAGE TANKS

1. UST SYSTEM OWNER AND LOCATION

Site Owner/Operator: BANK OF CALIFORNIA

Owners Address: PO BOX 3123 (Street / P.O. Box)

SEATTLE, WA 98114 (City / State / ZIP-Code)

Telephone: (206) 587-6151

tank #1 Diesel

Site ID Number (on invoice or available from Ecology if tank is registered):

Site/Business Name: RENTAL MART

Site Address: 29805 PACIFIC HIGHWAY S (Street) King (County)

FEDERAL WAY, WA 98003 (City / State / ZIP-Code)

2. TANK PERMANENT CLOSURE/CHANGE-IN-SERVICE PERFORMED BY:

Firm: O'Sullivan Petroleum Equipment Company License Number: S000036

Address: 3214 16th Avenue S. W. (Street)

Seattle WA 98134 (City / State / P.O. Box / ZIP-Code)

Telephone: (206) 682-2440

Licensed Supervisor: John C. Ra Decommissioning License Number: W001637

[redacted] [redacted] [redacted]

This page must be completed separately for each tank permanently closed (decommissioned) or change-in-service at the site. For additional tanks you may photocopy this form prior to completing.

3. TANK CLOSURE/CHANGE-IN-SERVICE INFORMATION

1. Tank ID Number (as registered with Ecology): N/A
2. Year installed: 1970
3. Tank capacity in gallons: 300
4. Date of last use:
5. Last substance stored: Diesel
6. Date of closure/change-in-service: 7-19-93
7. Type of closure: Closure with Tank Removal ☑ In-place Closure ☐ Change-in-Service ☐
8. If in-place closure is used, the tank has been filled with the following substance: N/A
9. If change-in-service, indicate new substance stored in tank: N/A
10. Local permit(s) (if any) obtained from: KENT HAZARDOUS FIRE PERMIT

Always contact local authorities regarding permit requirements.

11. Has a site assessment been completed? Yes ☐ No ☐

Unless an adequate release detection system is operating at the time of closure or change in service, and a report is provided as specified in WAC 173-360-390, a site assessment must be conducted. This site assessment must be conducted by a person registered with the Department of Ecology to perform site assessments. Results of the site assessment must be included with the Site Assessment Checklist (ECY 010-138).

4. CHECKLIST

Each item of the following checklist shall be initialed by the licensed supervisor whose signature appears below.

	Yes	No	NA*
1. Has all liquid been removed from product lines?	KP		
2. Has all product piping been capped or removed?	KP		
3. Have all non-product lines been capped or removed?	KP		
4. Have all liquid and accumulated sludges been removed from the tank?	KP		
5. Has the tank been properly purged or inerted?	KP		
6. Have the drop tube, fill pipe, gauge pipe, pumps and other tank fixtures been removed?	KP		
7. Have all tank openings been plugged or capped? NOTE: One plug should have 1/8 inch vent hole.			KP
8. Have all sludges removed from the tank been designated and disposed of in accordance with the state of Washington's dangerous waste regulations (Chapter 173-303 WAC)?	KP		
9. If removed, was tank properly labeled and disposed of in accordance with all applicable local, state and federal regulations?	KP		

*NA = Item not applicable

I hereby certify that I have been the licensed supervisor present on site during the above listed permanent closure activities and to the best of my knowledge they have been conducted in compliance with all applicable state and federal laws, regulations and procedures pertaining to underground storage tanks.

Persons submitting false information are subject to penalties under Chapter 173-360 WAC.

7-19-93
Date

William V. Kennedy Jr.
Signature of Licensed Supervisor

5. ADDITIONAL REQUIRED SIGNATURES

8/15/93
Date

Bradley D. Kennard for O'Sullivan
Signature of Licensed Tank Provider (Tank Owner or Authorized Representative)

Date

Signature of Tank Owner or Authorized Representative

ECY 810-182 (12/89)

N.W.

UNDERGROUND STORAGE TANK
Site Check/Site Assessment Checklist

For Office Use Only
Owner # 40004332 KB
Site # 006523

INSTRUCTIONS:

When a release has **not** been confirmed and reported, this Site Check/Site Assessment Checklist must be completed and signed by a person registered with Ecology. **The results of the site check or site assessment must be included with this checklist.** This form must be submitted to Ecology at the address shown below within 30 days after completion of the site check/site assessment.

SITE INFORMATION: Include the Ecology site ID number if the tanks are registered with Ecology. This number may be found on the tank owner's invoice or tank permit.

TANK INFORMATION: Please list all tanks for which the site check or site assessment is being conducted. Use the owner's tank ID numbers if available, and indicate tank capacity and substance stored.

REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT: Please check the appropriate item.

CHECKLIST: Please initial each item in the appropriate box.

SITE ASSESSOR INFORMATION: This form must be signed by the registered site assessor who is responsible for conducting the site check/site assessment.

Underground Storage Tank Section
Department of Ecology
P. O. Box 47655
Olympia, WA 98504-7655

SITE INFORMATION

Site ID Number (on invoice or available from Ecology if the tanks are registered): 006523

Site/Business Name: Rental Marts

Site Address: 29805 Pacific Hwy S. (Street) Telephone: ( ) _____

Federal Way (City) Washington (State) 98003 (ZIP Code)

TANK INFORMATION

Tank ID No.	Tank Capacity	Substance Stored
#1	500 gallons	diesel fuel

REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT

Check one:

- ____ Investigate suspected release due to on-site environmental contamination
- ____ Investigate suspected release due to off-site environmental contamination.
- ____ Extend temporary closure of UST system for more than 12 months.
- ____ UST system undergoing change-in-service.
- ____ UST system permanently closed-in-place.
- ✓ UST system permanently closed with tank removed.
- ____ Abandoned tank containing product.
- ____ Required by Ecology or delegated agency for UST system closed before 12/22/88.
- ____ Other (describe): _____

N.W.

UNDERGROUND STORAGE TANK
Site Check/Site Assessment Checklist

For Office Use Only
Owner # UOD0432 KB
Site # 006523

INSTRUCTIONS:

When a release has not been confirmed and reported, this Site Check/Site Assessment Checklist must be completed and signed by a person registered with Ecology. **The results of the site check or site assessment must be included with this checklist.** This form must be submitted to Ecology at the address shown below within 30 days after completion of the site check/site assessment.

SITE INFORMATION: Include the Ecology site ID number if the tanks are registered with Ecology. This number may be found on the tank owner's invoice or tank permit.

TANK INFORMATION: Please list all tanks for which the site check or site assessment is being conducted. Use the owner's tank ID numbers if available, and indicate tank capacity and substance stored.

REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT: Please check the appropriate item.

CHECKLIST: Please initial each item in the appropriate box.

SITE ASSESSOR INFORMATION: This form must be signed by the registered site assessor who is responsible for conducting the site check/site assessment.

MAY 16 1995

Underground Storage Tank Section
Department of Ecology
P. O. Box 47655
Olympia, WA 98504-7655

SITE INFORMATION

Site ID Number (on invoice or available from Ecology if the tanks are registered): 006523

Site/Business Name: Rental Marts

Site Address: 29805 Pacific Hwy S (Street) Telephone: ( ) _____

Federal Way (City) Washington (State) 98003 (ZIP Code)

TANK INFORMATION

Tank ID No.	Tank Capacity	Substance Stored
#1	500 gallons	diesel fuel

REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT

Check one:

- ____ Investigate suspected release due to on-site environmental contamination
- ____ Investigate suspected release due to off-site environmental contamination.
- ____ Extend temporary closure of UST system for more than 12 months.
- ____ UST system undergoing change-in-service.
- ____ UST system permanently closed-in-place.
- ✓ UST system permanently closed with tank removed.
- ____ Abandoned tank containing product.
- ____ Required by Ecology or delegated agency for UST system closed before 12/22/88.
- ____ Other (describe): _____

4: 7484

N.W. U0000432 KB.
8243 006523

UNDERGROUND STORAGE TANK
30 Day Notice of Intent to Close/Decommission Tanks

The purpose of this form is to provide the Department of Ecology with notice of intent to close/decommission an UST. It must be received 30 days prior to the closur... r of the UST to be closed or his/her authorized repr... ology will notify the identified person of the earliest d...

For questions on completing this form pleas...

Please type or use ink.

The completed checklist should be mailed t...

Post-It™ brand fax transmittal memo 7671 | # of pages ▸ One

To Joyce Smith	From Darcy Walker
Co. Dept of Ecology	Co. O'Sullivan Petroleum
Dept. UST Section	Phone # 682-2440
Fax # 438-7484	Fax # 621-8568

1. TANK OWNER AND LOCATION

UST Owner/Operator: Bank of California

Owners Mailing Address: RECEIVED MAY 23

Seattle (Street) WA (City) 98114 (P.O. Box) (State) (ZIP Code)

MAY 16 1995

Telephone: (206) 587-6151

Site ID Number (on invoice or available from Ecology if tank is registered):

Site/Business Name: Rental Mart

Site Address: 29805 Pacific Highway S. (Street) King (County)

Federal Way (City) WA (State) (ZIP Code)

2. TANK PERMANENT CLOSURE TO BE PERFORMED BY (If known):

Firm: O'Sullivan Petroleum Equipment Co.

Address: 3214 16th ave SW. (Street)

Seattle (City) WA (State) 98134 (P.O. Box) (ZIP Code)

Telephone: (206) 682-2440 Contact Name: DARCY WALKER

3. TANK INFORMATION

Tank Identification	Approx. Closure Date	Tank Capacity (gallons)	Tank Age (years)	Last Substance Stored
#1	May 10/93	~~1000~~ 500	20-25	diesel

4. SIGNATURE OF TANK OWNER/OPERATOR OR AUTHORIZED REPRESENTATIVE:

Darcy J. Walker (Signature) Estimator/Project Manager (Title) 4/2/93 (Date)

ECY 181-153 11/00

N.W. U9000 432 K.B.
006523

#2

RECEIVED
MAY 16 1995
ECOLOGY

tank #1
Diesel

1/1

Rental Marts
UST Removal Project
Federal Way, Washington

UST Site Assessment

Prepared for:

Janice Dimick
The Bank of California
910 Fourth Avenue
Seattle, Washington 98164

&

O'Sullivan Petroleum Equipment Company
3214 - 16th Avenue SW
Seattle, Washington 98134

July, 26 1993

HAZCON, Inc. Project #4259

HEALTH HAZARD CONTROL SERVICES
HAZCON INC.
4636 E. Marginal Way So. # 215
Seattle, WA 98134
(206) 763-7364

HAZCON INC.
HEALTH HAZARD CONTROL SERVICES

4636 East Marginal Way South, Suite 215 • Seattle, Washington 98134
206.763.7364 • Fax 206.763.4189

July 26, 1993

Janice M. Dimick
Assistant Vice President &
Senior Trust Real Estate Officer
The Bank of California
910 Fourth Avenue
Seattle, Wa 98114

Re: UST Site Assessment and Closure
Rental Marts
12401 Pacific Highway South
Federal Way, Washington

Dear Ms. Dimick:

This letter report presents the findings from the Underground Storage Tank (UST) Site Assessment performed by O'Sullivan Petroleum Equipment Company (OPEC) and Hazcon, Inc., of Seattle, Washington, as part of the removal one 500-gallon diesel fuel UST located at the above referenced property (Figures 1 and 2).

The UST was decommissioned and excavated by O'Sullivan Petroleum Equipment Company (OPEC) of Seattle, Washington. Hazcon, Inc. (Hazcon) performed the UST Site Assessment for the project following Washington State Department of Ecology's (Ecology) Guidelines for Site Checks and Site Assessments for USTs.

The objectives of this project included:

- Removing one 500 gallon diesel fuel UST and associated piping and pump island;
- Determining concentrations of diesel total petroleum hydrocarbons (TPHs) in soil adjacent to and underlying the UST system and associated soil stockpile;
- Comparing concentrations of diesel TPHs detected in soil, if any, to the applicable Washington State Model Toxics Control Act (MTCA) Method A Soil Cleanup Guidelines (WAC 173-340) and Guidance for Remediation of Releases from USTs; and
- Interpreting field and analytical data, documenting field and UST removal activities, making recommendations for additional site characterization (if any), and preparing this report (following Washington State Department of Ecology's Guidance for Site Checks and Site Assessment for USTs).

Location

The Rental Mart is located at 29805 Pacific Highway South, Federal Way, Washington, (Section 4, Township 21 North, Range 4 East) (Figures 1 and 2). The subject property lies approximately one mile southeast of Poverty Bay and seven-tenths mile south of 288th Street, at an elevation of approximately 430 feet above sea level. The area immediately adjacent to the subject property is predominately used for residential or light commercial purposes. The subject property is operated by Rental Marts for equipment rental.

The 500 gallon diesel fuel UST was located approximately 35 feet north of the west end of the Rental Mart facility (Figure 2).

Letter Report Organization

This letter report begins with a Summary of Findings for this project. Following the Summary of Findings is a discussion on project area geology and soil/groundwater conditions. Subsequent sections present other elements of Hazcon's UST Site Assessment investigation (UST history and decommissioning activities, excavation descriptions, soil sampling, laboratory analyses, findings, and conclusions). Figures and Tables accompanying this report follow the main text and are followed by the UST 30-Day Notice of Intent, UST Permanent Closure, and UST Site Assessment Checklists (as filed with Ecology). Supporting technical appendices follow the UST Site Assessment Checklist.

SUMMARY OF FINDINGS

Diesel TPH concentrations detected in soil samples collected within the diesel fuel UST excavation ranged from non-detectable to 140 ppm (below MTCA Method A Soil Cleanup Levels). The TPH concentration (as diesel and lubricating oil) for one representative sample collected from the soil stockpile was 490 ppm (above the MTCA Cleanup Level). The soil stockpile classified as a Class III soil and was disposed of at the permitted Rabanco Landfill (by Rabanco) as a non-hazardous MTCA material.

LOCAL GEOLOGY AND GROUNDWATER

Local Geology

The geology in the vicinity of the subject property is dominated by Upper Pleistocene ground moraine deposits (Waldron, 1961) generally composed of thin ablation till overlying lodgment till (Mullineaux, 1965). Lodgement till is generally a compact, coherent, unsorted mixture of sand, silt, clay, and gravel; commonly termed hardpan. Ablation till is similar, but less compact and coherent. Lodgement till is practically impermeable and relatively difficult to excavate and stable along steep exposures.

Site Geology

Soil within the UST excavation generally consisted of dry gravely sands from the surface to a depth of 2 feet below ground surface (BGS), sandy fine gravel from 2 to 3 feet BGS, and moist gravely sands from 3 feet to at least 8 feet BGS (Photo 1/Appendix A).

Groundwater

Groundwater was not encountered in the UST excavation pit.

UST HISTORY

The 500-gallon diesel fuel UST and pump island dispenser were located 35 feet north of the Rental Marts facility (Figure 2). According to Rental Marts the UST and single pump island dispenser where installed in about 1970. According to records on-file with the Washington State DOE UST Section, this UST was installed before 1965 (personal communication, Roger Nye). The UST was active until being decommissioned on May 21, 1993 (personal communication, Mike Muller, OPEC). The UST system stored diesel fuel #2 during it's tenure and was used to refuel Rental Mart's rental equipment.

The UST system consisted of a single-wall steel tank and associated steel piping. The UST was not anchored nor was it equipped with overfill or cathodic protection. The UST system check valve was located at the pump island dispenser and consisted of suction-type piping. OPEC is unaware of any volumetric tank tightness tests performed on the UST.

The UST was inerted and excavated by OPEC on June 25, 1993. Prior to excavation the UST was triple rinsed and inerted with CO_2 under OPEC's supervision. OPEC removed the UST from the excavation using a tire mounted backhoe. The tank showed minimal signs of rust and corrosion (e.g., pock marks) (Photo 2). OPEC transported the UST to Coastal Tank Inc. of Seattle, Washington for scrap metal (Appendix B).

EXCAVATION SITE DESCRIPTION

The UST was oriented north-south. The removal of the UST, associated piping, and the pump island dispenser (Photo 3) resulted in a single excavation pit (i.e., the pump island and was located above the UST).

OPEC excavated the UST system using a tire mounted backhoe. The UST system excavation pit was 13 feet by 8 feet in plan and had a depth of 8 feet BGS. Approximately 30 cubic yards of excavated soil was stockpiled adjacent to and west of the excavation pit (Figure 2). The soil stockpile was placed on and covered with visquene and bermed. The UST system excavation was surrounded with a chain link fence until site restoration.

SOIL SAMPLING

Soil samples were selected by a Hazcon geologist (registered site assessor with the Washington State Department of Ecology), based on visual and olfactory observations. Hazcon collected a total of eight discrete soil samples from the UST excavation (five samples) and associated soil stockpile (three samples) (Figure 2). The five samples collected from the UST excavation pit included four samples from the excavation pit sidewalls (samples SW1-6.0, SW2-6.5, SW3-6.5, and SW4-7.0) and one from the excavation pit floor (sample B1-8.0). Sidewall samples were collected between 6.0 feet and 7.0 feet BGS. The excavation pit floor sample was collected at 8.0 feet BGS. Groundwater was not encountered the UST excavation pit.

Soil samples from the UST excavation were collected using the backhoe to withdraw soil from the excavation pit. An aliquot of soil was then removed from the center of the backhoe bucket using a stainless steel spoon and transferred to a preconditioned sterilized glass jar (soil sampling protocols, Appendix C). Soil samples collected from the soil stockpile were collected with a hand auger from the approximate soil stockpile center (samples STP1 to STP3). Soil samples were placed in an ice chest and transported to the analytical laboratory. Chain of custody procedures were followed for all samples.

LABORATORY ANALYSES

Soil samples were analyzed for parameters outlined in Ecology's Guidance for Site Checks and Site Assessments for USTs (their Table 6-1. Required and Recommended Analyses for Petroleum Substances). A total of five soil samples (two composite and three discrete soil samples) were analyzed for diesel TPHs by Friedman and Bruya Laboratories, Inc. of Seattle, Washington. Samples SW1-6.0 and SW3-6.5, (collected from the east and south sidewall respectively) were composited together into one sample for analysis (samples were composited together by the laboratory chemist). Samples SW2-6.5, SW4-7.0, and B1-8.0 (west sidewall, north sidewall, pit floor, respectively) were analyzed as discrete soil samples. Soil stockpile samples STP1, STP2, and STP3 were composited together into one sample for analysis.

A full laboratory report and a quality assurance review of the laboratory results are given in Appendix D.

FINDINGS

Composite sidewall sample SW1-6.0/SW3-6.5 had non-detectable diesel TPHs (Table 1). Discrete sidewall samples SW2-6.5 and SW4-7.0 had a diesel TPH concentrations of 80 ppm and 140 ppm, respectively. Soil sample SW4-7.0 was collected from a narrow zone of soil contamination restricted to the northwest corner of the UST excavation (Photo 1). This soil sample was selected with the intent of representing a *worst case scenario* of contaminated soil within this narrow band. Discrete sample B1-8.0 had a diesel TPH concentration of 20 ppm. Soil stockpile composite sample (STP1/STP2/STP3) had a TPH (as a mixture of diesel and lubricating oil) concentration of 490 ppm (see Table 1/Appendix D).

CONCLUSIONS

All soil samples collected from within the UST excavation pit had diesel TPH concentrations below the MTCA Method A Cleanup Guidelines (200 ppm for diesel TPHs). Based on these results, further soil excavation was not required nor recommended. Based on the TPH concentrations detected in the soil stockpile (490 ppm), the soil stockpile designated as a Class III non-hazardous MTCA waste material. According to Ms. Janice Dimick, the petroleum contaminated soil stockpile was subsequently transported by Rabanco and disposed of at Rabanco's permitted landfill facility. The UST system excavation was backfilled with clean fill material to subgrade and finished with asphalt under OPEC supervision.

LIMITATIONS

Work for this project was performed, and this report prepared, in accordance with generally accepted professional practices for the nature and conditions of the work completed in the same or similar localities at the time the work was performed. Hazcon's results and findings from the select areas do not necessarily reflect the soil or groundwater quality underlying other site areas not investigated. This report is not meant to represent a legal opinion. No other warranty, expressed or implied, is made.

Any questions regarding our work and this letter report, the presentation of the information, and the interpretation of the data are welcome and should be referred to the undersigned.

Sincerely,
Hazcon, Inc.

Paul Riley, M.S.
Project Geologist

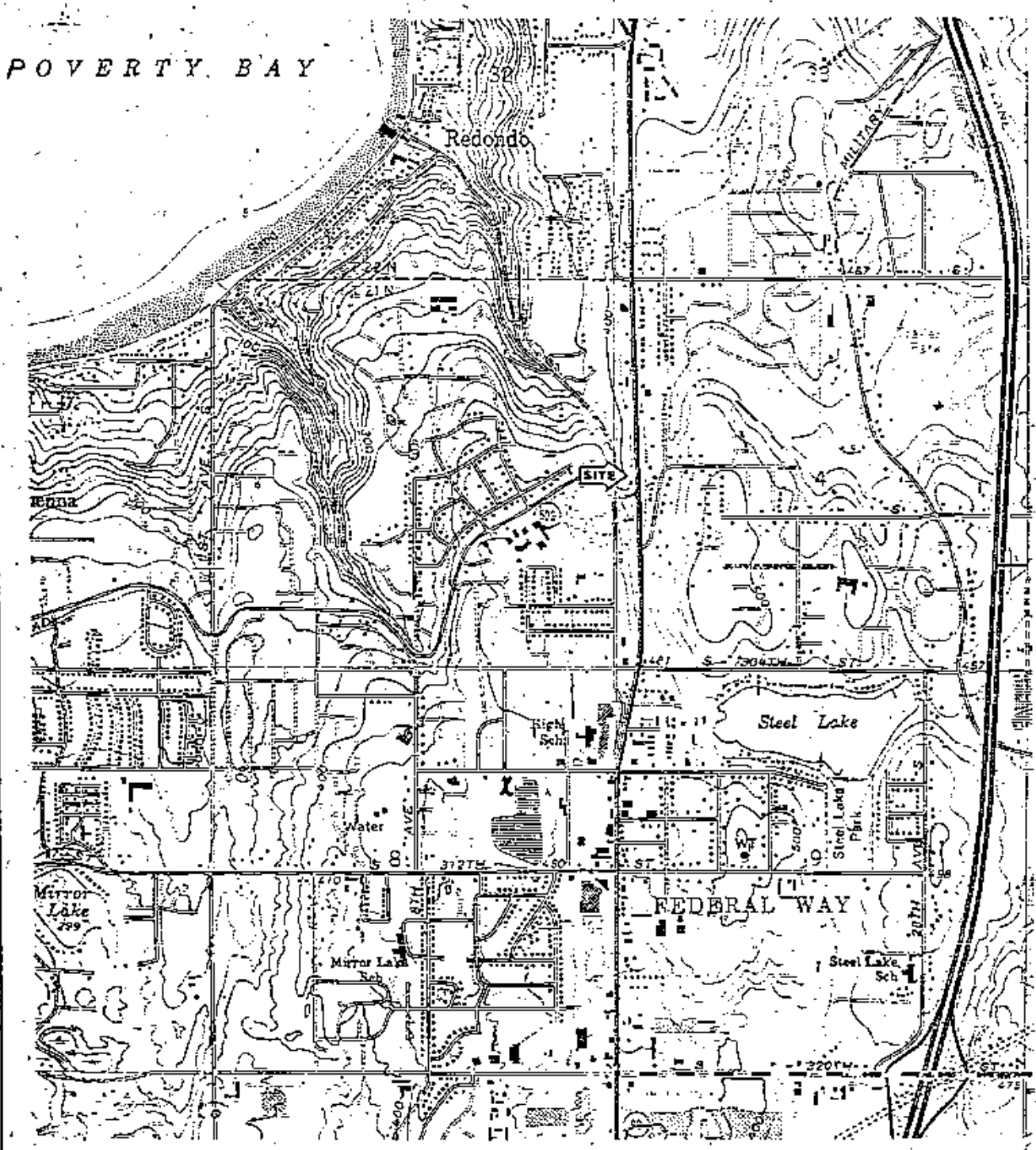
Cynthia Torzynski, M.S.
Staff Geologist
Cynthia Torzynski
Attachments

cc: Mike Muller
O'Sullivan Petroleum Equipment Company
3214 - 16th Avenue SW
Seattle, Wa 98134

John Strub
Federal Way Fire Dept.
31617 - 1st Avenue South
Federal way Washington 98003

Cathy Downs
UST Section
Department of Ecology
P.O. Box 47655
Olympia, Washington 98504-7655

Rental Marts Vicinity Map



From U.S.G.S. 7.5 MIN. X 15 MIN.
Series Quadrangle
Poverty Bay, Washington
1961

N

Scale: 1: 24,000			Figure 1

HEALTH HAZARD CONTROL SERVICES
HAZCON INC.
4636 E. Marginal Way S.
Suite 215
Seattle, Wa 98134

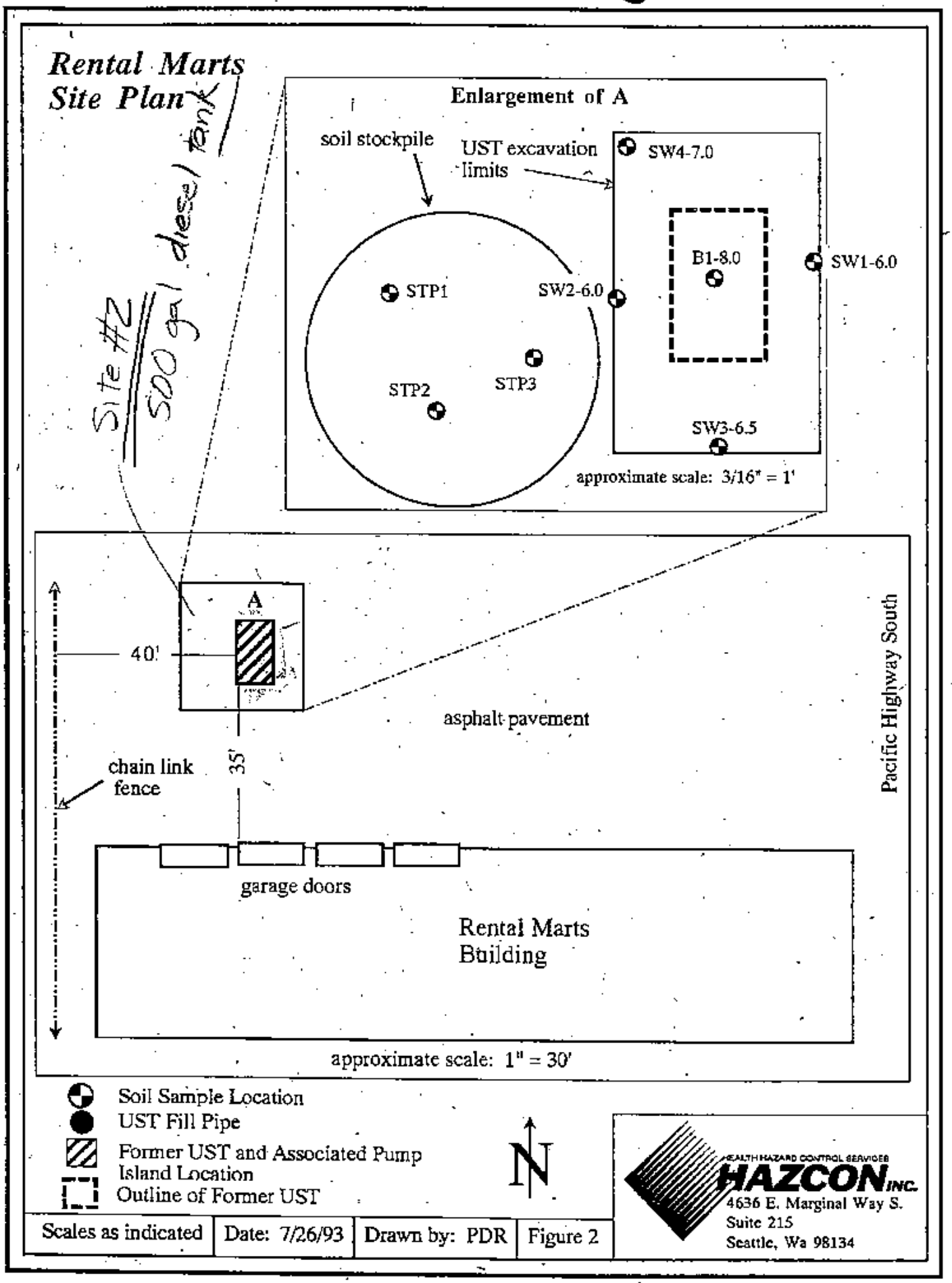

Rental Marts
Site Plan
Site #2
500 ga. diesel tank
Enlargement of A
soil stockpile
UST excavation limits
SW4-7.0
B1-8.0
SW1-6.0
STP1
SW2-6.0
STP2
STP3
SW3-6.5
approximate scale: 3/16" = 1'
A
40'
35'
asphalt pavement
chain link fence
Pacific Highway South
garage doors
Rental Marts Building
approximate scale: 1" = 30'
Soil Sample Location
UST Fill Pipe
Former UST and Associated Pump Island Location
Outline of Former UST
N
Scales as indicated
Date: 7/26/93
Drawn by: PDR
Figure 2
HEALTH HAZARD CONTROL SERVICES
HAZCON INC.
4636 E. Marginal Way S.
Suite 215
Seattle, Wa 98134

Table 1. Summary of Analytical Results for Soil Samples Collected Adjacent to and Underlying the Diesel Fuel UST and Associated Pump Island.

Sample Number	Soil Sample Location	Sample Depth	Sample Date	WTPH-D (ppm)
B1-8.0	pit floor	8.0	6/25/93	20
B1-8.0 (duplicate)	---	---	---	20
SW1-6.0 & SW3-6.5*	east/south sidewalls	6.0/6.5	6/25/93	<10
SW2-6.5	west sidewall	6.5	6/25/93	80
SW4-7.0	north sidewall	7.0	6/25/93	140
STP1 & STP2 & STP3*	soil stockpile	---	6/25/93	490
MTCA	NA	NA	NA	200

Samples SW1-6.0 & SW3-6.5* collected as two discrete samples and composited together into one sample by the laboratory for analysis.
duplicate, laboratory duplicate analysis.
Sample Depth, given in feet below ground surface.
NA, not applicable.
WTPH-D, Washington State Test Method for diesel range petroleum hydrocarbons.
ppm, parts per million = mg/kg.
MTCA, Model Toxics Control Method A Soil Cleanup Levels (WAC-173-340).

APPENDIX A
Photographs

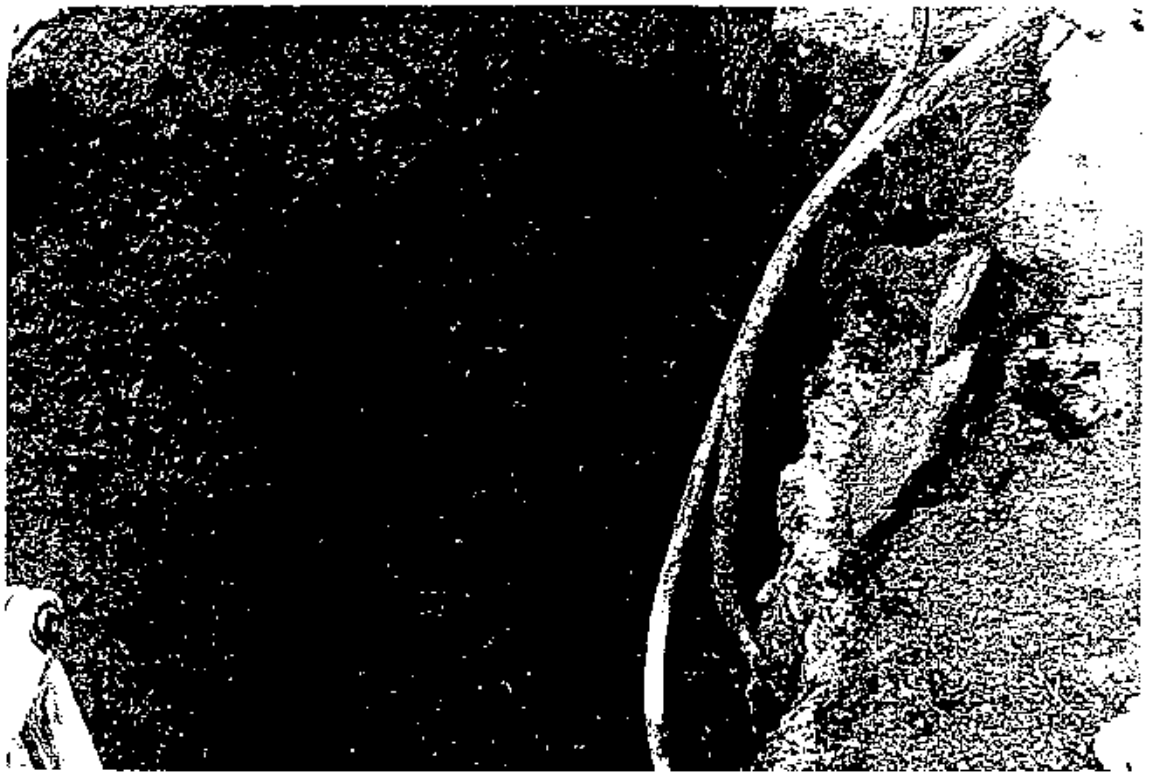


Photo 1. View of UST system excavation and characteristic soil types. Notice slight petroleum stained soil located at bottom of UST excavation, northwest corner. Soil sample SW4-7.0 was collected from this narrow zone of petroleum contamination.

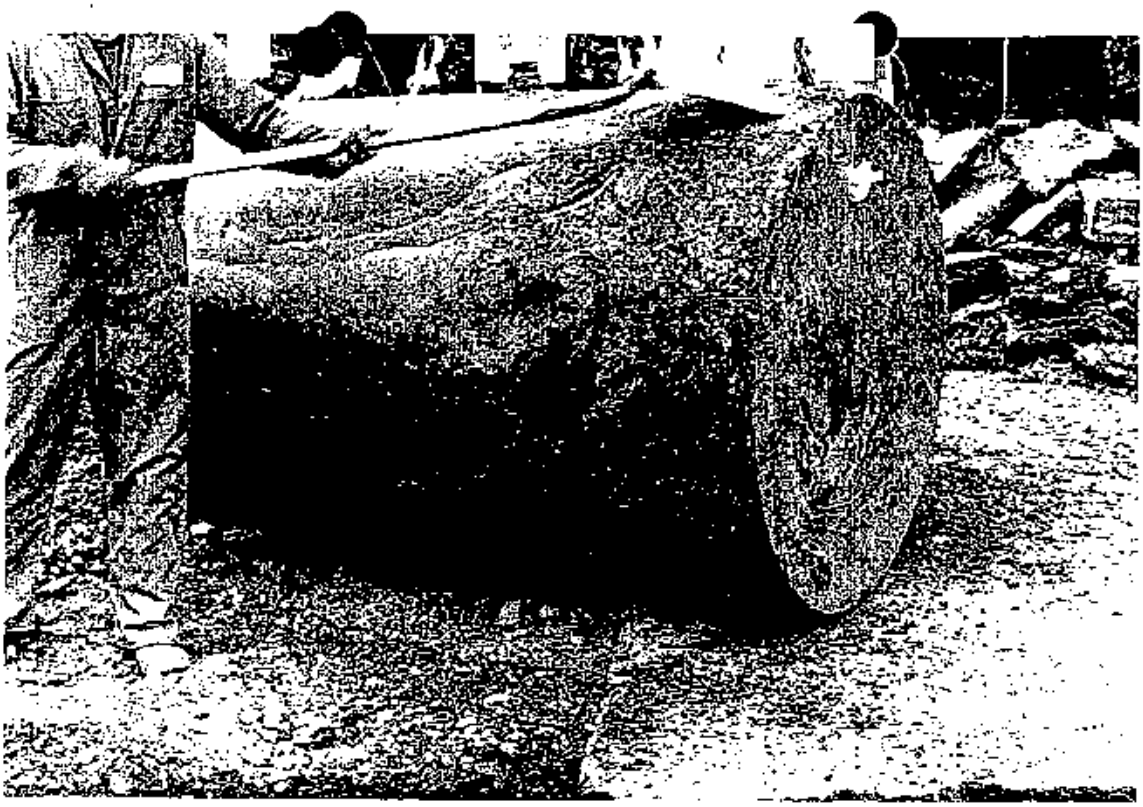


Photo 2. View of 500 gallon diesel fuel UST. Note the presence of minor rust along UST bottom and north end. The rag on north side of UST plugs hole punched by backhoe teeth.

Photo 3. View of decommissioned pump island, formerly used with 500 gallon diesel fuel UST.

APPENDIX B
UST Cleaning and
Disposal Certificate

223-02-CC-AS-TI'202RE

Coastal Tank Cleaning, Inc.
3801 7th Avenue South, Seattle, Washington 98108
Phone (206) 624-9843
Fax No. (206) 624-9766

DISPOSAL CERTIFICATION

DATE: June 15, 1993, 1993

TO: O'Sullivan Petroleum Equipment Co.
3214 16th Ave SW
Seattle, Wa. 98134

JOB SITE : Rental Mart, 29805 Pacific Hwy South, Federal Way

CTC's JOB#: 8429-93

YOUR PO #: 15556

Dear Sirs,

This letter is to certify that Coastal Tank Cleaning, Inc. (CTC) has received the following tank(s) for cleaning and disposal in accordance with all Federal, State and Local rules and regulations:

1: 500 gallon Diesel

DATE RECEIVED: 5-24-93

DATE CLEANED: 5-26-93

DATE DISPOSED: 5-27-93

BILL OF LADING #: 4026

METHOD OF DISPOSAL: Scrap Metal

If you have any questions regarding this matter please feel free to call at (206) 624-9843

Sincerely,

Don Austin
UST DISPOSAL MANAGER

APPENDIX C
Field Exploration & Soil Sampling Protocols

APPENDIX C
FIELD EXPLORATION AND SOIL SAMPLING PROTOCOLS

Soil samples were collected from either the center of the backhoe bucket or the hand auger sampler using a stainless steel spoon. All samples were collected using standard sampling procedures which minimize the risk of sample contamination. Prior to soil sampling, sampling tools were cleaned with a stiff brush and detergent solution consisting of Alconox and warm water, then rinsed with tap water and liberal quantities of distilled, deionized water. The soil samples were collected in 4 ounce borosilicate glass containers with teflon-lined screw caps. Samples were stored in a chilled ice chest and delivered directly to Friedman and Bruya Laboratories, Inc. of Seattle, Washington for analysis. Chain of custody forms accompanied each sample shipment, signed by field personnel, the shipping agency (if used), and the laboratory chemist.

APPENDIX D
Laboratory Report & Quality Assurance Data Review

APPENDIX D
LABORATORY REPORT
& QUALITY ASSURRANCE REVIEW

Analytical results were reported by the laboratory as a net weight value. The results shown in this report were converted to dry weight values by dividing the wet weight results by the percentage of total solids in the soil sample.

Laboratory quality assurance and quality control was performed by analyzing duplicate samples and surrogate recoveries. The duplicate sample results indicate good sampling and analytical precision.

In general, all analytical data were deemed acceptable.

FRIEDMAN & BRUYA, INC.
ENVIRONMENTAL CHEMISTS

Andrew John Friedman
James E. Bruya, Ph.D.
(206) 285-8282

3008-B 16th Avenue West
Seattle, WA 98119
FAX: (206) 283-5044

May 27, 1993

Paul Riley, Project Leader
HAZCON
4636 E. Marginal Way South, Suite 215
Seattle, WA 98134

Dear Mr. Riley:

Enclosed are the results from the testing of material submitted on May 25, 1993 from Project 4259, Rental Marts.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

Amy Gray

Amy M. Gray
Chemist

AMG/dp

Enclosures

FRIEDMAN & BRUYA, INC.
ENVIRONMENTAL CHEMISTS

Date of Report: May 27, 1993
Date Received: May 25, 1993
Project: 4259, Rental Marts
Date Samples Extracted: May 26, 1993
Date Extracts Analyzed: May 26, 1993

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL BY GC/FID (Modified 8015) per Washington DOE Guidelines

Results Reported as µg/g (ppm)

Sample #	Diesel	Internal Standard (% Recovery)
Composite: SW1 - 6.0 SW3 - 6.5	<10	93%
SW2 - 6.5	80	91%
SW4 - 7.0	140	93%
B1 - 8.0	20	90%
Composite: STP1 STP2 STP3	490[id]	93%
Quality Assurance		
Blank	<10	95%
B1 - 8.0 (Duplicate)	20	92%
B1 - 8.0 (Matrix Spike) % Recovery	71%	90%
B1 - 8.0 (Matrix Spike Duplicate) % Recovery	70%	89%
Spike Blank % Recovery	71%	91%
Spike Level	500	

[id] The material present appears to be indicative of a mixture of diesel and a lubricating oil.

FRIEDMAN & BRUYA, INC.
3008-B 16th Avenue West
Seattle, WA 98119

SAMPLE CHAIN OF CUSTODY

Send Report To:
Company Hazcon Inc Contact Paul Riley
Address 4636 E. Marginal Way Suite 215
City, State, Zip Seattle, WA 98134
Phone # (206) 763-7364 Date 5/25/93

SITE NO. 4259 | PROJECT NAME Rental Mats | PURCHASE ORDER #

SAMPLERS (Signature) Paul Riley | PROJECT LOCATION Federal Way

REMARKS Need results on May 26

SAMPLE DISPOSAL INFORM.
- Dispose after 30 days
- Return Samples
- Call for Instructions

SAMPLE #	Date/Time Sampled	Type of Sample	# of Jars	Lab Sample #	Analyses Requested
SW1-6.0	5/25/93 11:10	Soil	1	40310	~~COMPOSITE~~; WTPH-D
SW3-6.5	11:45			40311	
SW2-6.5	13:35			40312	WTPH-D
SW4-7.0	12:10			40313	WTPH-D
B1-8.0	11:25			40314	WTPH-D
STP1	12:05			40315	
STP2	12:08			40316	COMPOSITE;
STP3	12:12			40317	WTPH-D

SIGNATURE	PRINT NAME	COMPANY	Date	Time
Relinquished by: Paul Riley	Paul Riley	Hazcon, Inc.	5/25/93	12:45
Received by: C L Hecks	C L Hecks	F&B I	5:25:93	3:45 PM
Relinquished by:				
Received by:				

APPENDIX E
References

APPENDIX E
REFERENCES

Guidance for Site Checks and Site Assessment for Underground Storage Tanks, Washington State Department of Ecology Underground Storage Tank Program, Revised October, 1992,

Guidance for Remediation of Releases from Underground Storage Tanks, Washington State Department of Ecology Toxics Cleanup Program, July 1991.

The Model Toxics Control Act Cleanup Regulations Chapter 173-340 WAC, February 28, 1991.

Waldron, H.,: Geologic Map of the Poverty Bay Quadrangle (scale 1:24,000), Washington, 1961.

N.W. 2000432
006523

UNDERGRC ID STORAGE TANK
Permanen osure/Change-In-Service Ch klist

The purpose of this form is to certify the proper closure/change-in-service of underground storage tank (UST) systems. These activities must be conducted in accordance with Chapter 173360 WAC. Washington State UST rules require the tank owner or operator to notify Ecology in writing 30 days prior to closure or change-in-service of tanks. This must be done by completing the 30 Day Notice form (ECY 010-155).

This Permanent Closure Checklist shall be completed and signed by a Licensed Decommissioning Supervisor. The supervisor shall be on site when all tank permanent closure/change-in-service activities are being conducted. The firm which employs the licensed supervisor shall also be licensed by the Washington State Department of Ecology as a Service Provider. If any of the activities listed below have been supervised by a different licensed supervisor, a separate checklist must be filled out and signed by the licensed supervisor performing those activities.

For further information about completing this form, please contact the Department of Ecology UST Program.

A separate checklist must be completed for each UST system (tank and associated piping), except that UST systems at one site may be reported together by completing page 2 of this form separately for each system. The completed checklist should be mailed to the following address within 30 days of the completion of the closure or change-in-service.

Underground Storage Tank Section
Department of Ecology
Mail Stop PV-11
Olympia, WA 98504-8711

MAY 16 1995

RECEIVED
AUG - 8 1995
DEPT. OF ECOLOGY

1. UST SYSTEM OWNER AND LOCATION

Site Owner/Operator: BANK OF CALIFORNIA

Owners Address: PO BOX 3123 (Street / P.O. Box)

SEATTLE, WA 98114 (City / State / ZIP-Code)

Telephone: (206) 587-6151

Site ID Number (on invoice or available from Ecology if tank is registered): tank #2 GAS

Site/Business Name: RENTAL MART

Site Address: 29805 PACIFIC HIGHWAY S (Street) KING (County)

FEDERAL WAY, WA 98003 (City / State / ZIP-Code)

2. TANK PERMANENT CLOSURE/CHANGE-IN-SERVICE PERFORMED BY:

Firm: O'Sullivan Petroleum Equipment Company License Number: S000036

Address: 3214 16th Avenue S. W. (Street)

Seattle WA 98134 (City / State / P.O. Box / ZIP-Code)

Telephone: (206) 682-2440

Licensed Supervisor: Tom C Ra

Decommissioning License Number: W001432

ECY 010-162 (12/90)

This page must be completed separately for each tank permanently closed (decommissioned) or change-in-service at the site. For additional tanks you may photocopy this form prior to completing.

3. TANK CLOSURE/CHANGE-IN-SERVICE INFORMATION

1. Tank ID Number (as registered with Ecology): ?
2. Year installed: N/K
3. Tank capacity in gallons: 5,000
4. Date of last use: ?
5. Last substance stored: GASOLINE
6. Date of closure/change-in-service: 9 Feb 93
7. Type of closure: Closure with Tank Removal ☐ In-place Closure ☐ Change-in-Service ☐
8. If in-place closure is used, the tank has been filled with the following substance: N/A
9. If change-in-service, indicate new substance stored in tank: N/A
10. Local permit(s) (if any) obtained from: DOE, City of Federal Way Fire Dept.

Always contact local authorities regarding permit requirements.

11. Has a site assessment been completed? Yes ☒ No ☐

Unless an external release detection system is operating at the time of closure or change in service, and a report is provided as specified in WAC 173-360-380, a site assessment must be conducted. This site assessment must be conducted by a person registered with the Department of Ecology to perform site assessments. Results of the site assessment must be included with the Site Assessment Checklist (ECY 070-151).

4. CHECKLIST

Each item of the following checklist shall be initialed by the licensed supervisor whose signature appears below.

	Yes	No	NA*
1. Has all liquid been removed from product lines?	JCP		
2. Has all product piping been capped or removed?	JCP		
3. Have all non-product lines been capped or removed?	JCP		
4. Have all liquid and accumulated sludges been removed from the tank?	JCP		
5. Has the tank been properly purged or inerted?	JCP		
6. Have the drop tube, fill pipe, gauge pipe, pumps and other tank fixtures been removed?	JCP		
7. Have all tank openings been plugged or capped? NOTE: One plug should have 1/8 inch vent hole.	JCP		
8. Have all sludges removed from the tank been designated and disposed of in accordance with the state of Washington's dangerous waste regulations (Chapter 173-303 WAC)?	JCP		
9. If removed, was tank properly labeled and disposed of in accordance with all applicable local, state and federal regulations?	JCP		

*Item not applicable

I hereby certify that I have been the licensed supervisor present on site during the above listed permanent closure activities and to the best of my knowledge they have been conducted in compliance with all applicable state and federal laws, regulations and procedures pertaining to underground storage tanks.

Persons submitting false information are subject to penalties under Chapter 173.360 WAC.

9 Feb 93 — Date

Signature of Licensed Supervisor

5. ADDITIONAL REQUIRED SIGNATURES

2-13-93 — Date

Signature of Licensed/Certified Provider (Tank Owner or Authorized Representative)

7-26-95 — Date

Janice M. Dimick

Signature of Tank Owner or Authorized Representative

N.W. #1

UNDERGROUND STORAGE TANK
Site Check/Site Assessment Checklist

For Office Use Only K.B.
Owner # U0000432
Site # 006523

INSTRUCTIONS:

When a release has **not** been confirmed and reported, this Site Check/Site Assessment Checklist must be completed and signed by a person registered with Ecology. **The results of the site check or site assessment must be included with this checklist.** This form must be submitted to Ecology at the address shown below within 30 days after completion of the site check/site assessment.

SITE INFORMATION: Include the Ecology site ID number if the tanks are registered with Ecology. This number may be found on the tank owner's invoice or tank permit.

TANK INFORMATION: Please list all tanks for which the site check or site assessment is being conducted. Use the owner's tank ID numbers if available, and indicate tank capacity and substance stored.

REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT: Please check the appropriate item.

CHECKLIST: Please initial each item in the appropriate box.

SITE ASSESSOR INFORMATION: This form must be signed by the registered site assessor who is responsible for conducting the site check/site assessment.

Underground Storage Tank Section
Department of Ecology
P. O. Box 47655
Olympia, WA 98504-7655

SITE INFORMATION

Site ID Number (on invoice or available from Ecology if the tanks are registered): 006523

Site/Business Name: Federal Way Rental Mart

Site Address: 29805 Pacific Hwy S (Street) Telephone: ( )

Federal Way (City) WA (State) 98003 (ZIP Code)

RECEIVED MAY 16 1995 ECOLOGY

TANK INFORMATION

Tank ID No.	Tank Capacity	Substance Stored
Tank 1 on sketch	5,000	Gasoline
#2 GASOLINE		

REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT

Check one:

- ____ Investigate suspected release due to on-site environmental contamination
- ____ Investigate suspected release due to off-site environmental contamination.
- ____ Extend temporary closure of UST system for more than 12 months.
- ____ UST system undergoing change-in-service.
- ____ UST system permanently closed-in-place.
- ✓ UST system permanently closed with tank removed.
- ____ Abandoned tank containing product.
- ____ Required by Ecology or delegated agency for UST system closed before 12/22/88.
- ____ Other (describe): ____

CHECKLIST

Each item of the following checklist shall be initialed by the person registered with the Department of Ecology whose signature appears below.

		YES	NO
1.	The location of the UST site is shown on a vicinity map.	✓	
2.	A brief summary of information obtained during the site inspection is provided. (see Section 3.2 in site assessment guidance)	✓	
3.	A summary of UST system data is provided. (see Section 3.1)	✓	
4.	The soils characteristics at the UST site are described. (see Section 5.2)	✓	
5.	Is there any apparent groundwater in the tank excavation?		✓
6.	A brief description of the surrounding land use is provided. (see Section 3.1)	✓	
7.	Information has been provided indicating the number and types of samples collected, methods used to collect and analyze the samples, and the name and address of the laboratory used to perform the analyses.	✓	
8.	A sketch or sketches showing the following items is provided:		
	- location and ID number for all field samples collected	✓	
	- groundwater samples distinguished from soil samples (if applicable) NA		✓
	- samples collected from stockpiled excavated soil	✓	
	- tank and piping locations and limits of excavation pit	✓	
	- adjacent structures and streets	✓	
	- approximate locations of any on-site and nearby utilities	✓	
9.	If sampling procedures different from those specified in the guidance were used, has justification for using these alternative sampling procedures been provided? (see Section 3.4)		✓
10.	A table is provided showing laboratory results for each sample collected including; sample ID number, constituents analyzed for and corresponding concentration, analytical method and detection limit for that method.	✓	
11.	Any factors that may have compromised the quality of the data or validity of the results are described.	✓	
12.	The results of this site check/site assessment indicate that a confirmed release of a regulated substance has not occurred.		✓

SITE ASSESSOR INFORMATION

Robert F. Simons — Person registered with Ecology

Nowicki & Associates Inc — Firm Affiliated with

Business Address: 33516 9th Ave S #6 (Street) — Telephone: (___) _____

Federal Way (City), Wa (State) 98003 (ZIP+Code)

I hereby certify that I have been in responsible charge of performing the site check/site assessment described above. Persons submitting false information are subject to penalties under Chapter 173.360 WAC.

3/7/93 — Date

Robert F. Simons — Signature of Person Registered with Ecology

Underground Storage Tank Removal

Site Assessment /Site Characterization

Gasoline Tank and Dispenser
DOE ID # 006523

Location: Federal Way Rental Mart
29805 Pacific Hwy S
Federal Way, WA 98003

Owner: Bank of California
PO Box 3123
Seattle, WA 98114
Attn: Jan Dimick

Contractor: O'Sullivan Environmental Services
3214 16th Avenue SW
Seattle, WA 98134

Site Assessor: Robert F. Simons
Robert F. Simons
Site Assessor
Nowicki & Associates Inc.
33516 9th Ave S
Federal Way, WA 98003

Excutive Summary

One approximately 5000 gallon gasoline storage tank and dispenser were removed on 2/9/93 from the Federal Way Rental Mart Site. Contamination was found on top of the tank and on the west side of the tank. Tank and contamination were removed on the afternoon of 2/9/93. Lab analysis done on samples taken at the end of the day showed soils at the site to be below Model Toxic Control Act (MTCA) standards for a clean site. Fifty yards of soil was stored next to the excavation site and lab analysis showed this soil to be contaminated. Lead analysis on stockpiled soil showed lead levels to be below MTCA cleanup levels.

Site History and Uses

Light commercial uses are prevelant along Pacifice Highway. A junior high school is located directly behind the property. A warehouse shop is found to the south of Rental Mart. Accross the street to the east and up an

embankment are apartments which were built within the last five years. Across Dash Point Road to the north is an abandonded service station(now a used car lot) which had its tanks and contamination removed within the last two years.

Prior to the site's current use a tire shop was located on the property facing Pacific Highway. Enclosed is a site sketch showing a foundation and sewers from the former buildings. The gasoline tank removed was installed next to the septic tank and sewer from this demolished structure. Abandonded piping and a concrete pad were located a few feet west of the pump island. Upon excavation this piping appeared to have served an underground tank which had been removed many years ago. Probably this older tank had been in the same area as the present tank which was removed on 2/9/93.

Tank installation was done just prior to 1970 which makes the installation approximately 25 years old.

Tank Removal 2/9/93

Cleaning and inerting of the tank was complete just after 10:00 AM. Representatives from the City of Federal Way Building Department and the local Fire District were onsite at this time to witness the inerting process. Asphalt was cut around the outline of the proposed excavation, but upon actual excavation it was found that the dispenser was over the middle of the tank and the excavation was expanded to compensate. This top to the tank was exposed by about 11:00 AM. Contamination was evident around the plumbing and the top of the tank. Tank removal was accomplished just before 12:00. Tank condition was good with minimal corrosion and no visible holes.

Contamination showed on the west side of the tank and flowed down the tank spreading to the west along the entire length of the tank. Dark grey soil with gasoline odor was excavated west about eight feet. A 4- inch sewer pipe connected to an approximately 1000 gallon septic tank was discovered during the excavation of contaminated soil. The sewer tank was located just to the northwest of the tank. North, south, and east sidewalls along with the bottom appeared to be clean. Excavation progressed west past the sewer pipe approximately eight feet along the entire length of the tank. A strong odor of organics or waste petroleum and solid grey soil was still noticeable on the west side of the excavation. Field screening with the Tank Techtor was done with negative results. Sewer often introduces an odor like waste petroleum and this was later found to be the case.

At approximately 3:30PM samples were taken and sent to Spectra Labs of Tacoma, WA for lab analysis. WTPH-G and BTEX were run on the five excavation samples following DOE Sampling guidelines. Sample results showed the excavation to be below Model Toxic Control Act (MTCA) regulations for a clean site. Sample analysis done on the stockpile confirmed contamination by gasoline. Lead sample analysis was 74 PPM which is below

the MTCA cleanup level of 250 PPM.

No groundwater was encountered during excavation.

Approximately 50 yards of stockpiled soil was placed on 6 mil plastic and the pile covered with 6 mil plastic at the end of the work day.

Closure of this site is recommended.

Sample Log

UST Removal - Gasoline

Federal Way Rental Mart

Date Sampled: 2/9/93

Sampler: Robert F. Simons

#	Location	Lab Results
01	Bottom Center of tank	<20
02	East wall of Excavation	<20
03	North wall of excavation	<20
04	Pump island soil from stockpile	1050 PPM
05	West wall at end of day	<20
06	Stockpile, west end	203 PPM
07	Stockpile, east side	43.3 PPM
08	Stockpile, north side	955 PPM
	Lead	73 PPM

Robert F. Simons

Robert F. Simons
Site Assesser
Nowicki & Associates Inc.

SPECTRA Laboratories, Inc.

CHAIN of CUSTODY

DATE 2/9

PAGE 1 OF 1

2221 Ross Way * Tacoma, WA 98421 * (206) 272-4850 * FAX (206) 572-9838

LABORATORY ANALYSES REQUEST

CLIENT: Nanocle

PROJECT: FWD Retail Mart

CONTACT: Bob Simons

PHONE #: 823-5233

PURCHASE ORDER #:

SAMPLE ID	DATE	TIME	MATRIX
01	2/9	5:09	
02			
03			
04			
05			
06			
07			
08			

624/ 8240 VOLATILES	625/ 8270 SEMI-VOLATILE	8240 CHLOR. SOLVENTS	8240 BTEX	602/ 8020 BTEX	418.1 TPH	WTPH-HCID	WTPH-G	WTPH-D	8015 Mod. TPH	LEAD 7421 (WATER)	LEAD 6010 (SOIL)	pH 150.1	TOX 9020/ 9076	METALS 6010/ AES-0029	METALS AA/FURNACE	METALS (8) (TCLP)	8240 VOL (TCLP)	8270 SEMI-VOL (TCLP)	8270 PEST. (6) (TCLP)	8270 HERB. (2) (TCLP)							NORMAL TURNAROUND	RUSH

RETURN

DISPOSE

Fee applies

LAB ID

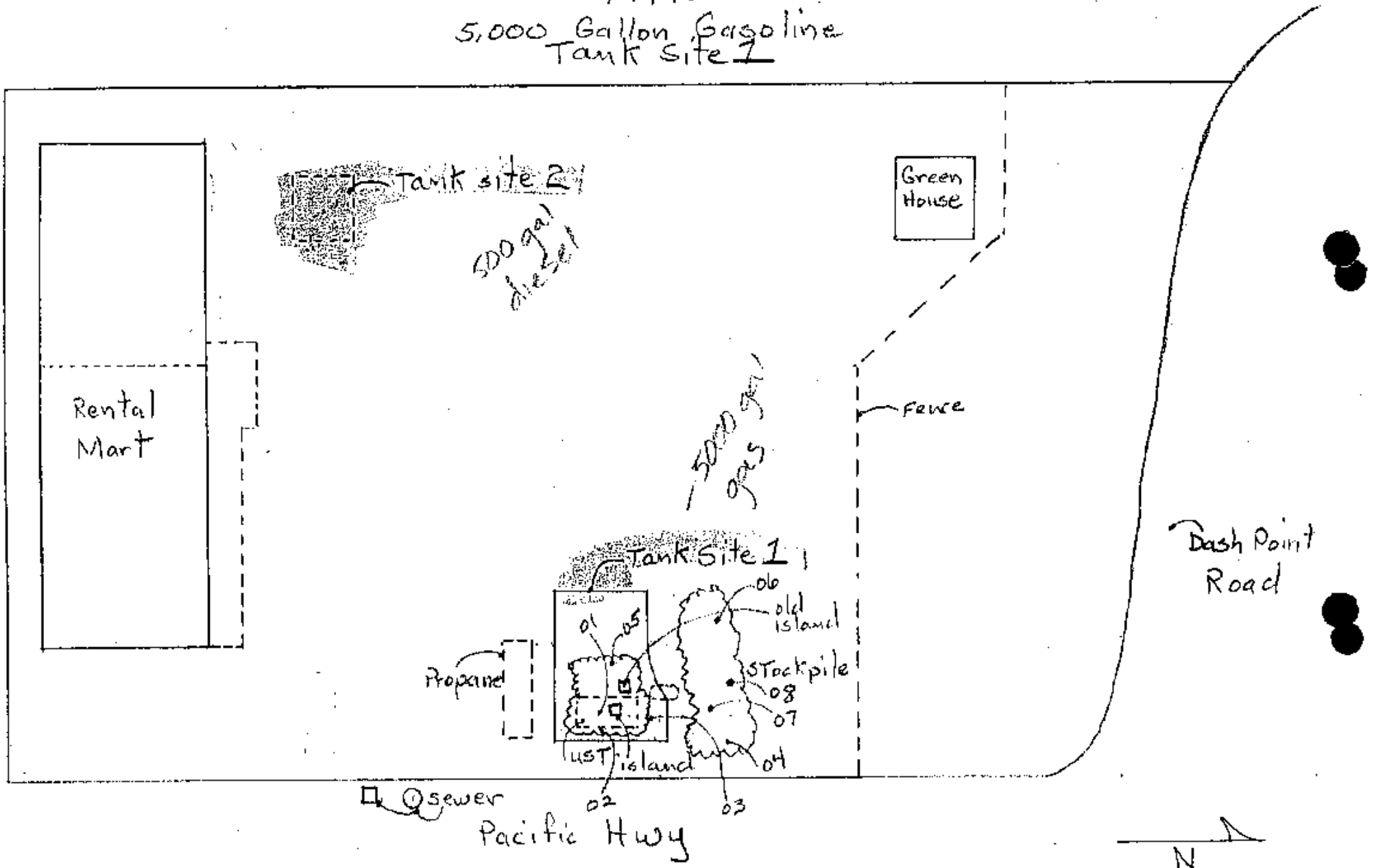
SPECIAL INSTRUCTIONS / COMMENTS:

1. lead as composite
Need early Thursday
2/11
soil high in organics

(Signature) Relinquished by: Robert T. Simons	(Signature) Relinquished by:	(Signature) Relinquished by:
Printed Name: Robert T. Simons	Printed Name:	Printed Name:
Company: Nanocle	Company:	Company:
Date: 2/9 Time: 5:09	Date: Time:	Date: Time:
(Signature) Received by: Barb Mincer	(Signature) Received by:	(Signature) Received by:
Printed Name: Barb Mincer	Printed Name:	Printed Name:
Company: Spectra	Company:	Company:
Date: 2-9-93 Time: 5:09	Date: Time:	Date: Time:

Fed●● Way
Rental Mart
UST location
2/9/93

Federal Way Rental Mart UST Removal
2/9/93
5,000 Gallon Gasoline
Tank Site 1



SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

February 11, 1993

Mr. Bob Simons
Nowicki & Associates
33516 9th Ave. S., Bldg. 6
Federal Way, WA 98003

RE: FW Rental Mart

Dear Mr. Simons,

Please find enclosed the results for the above referenced project.

If you have any questions or need any further information, please feel free to call any time.

Sincerely,

SPECTRA LABORATORIES, INC.

Mike Minner
Lab Director

Enclosure

SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

February 11, 1993

Nowicki & Associates
33516 9th Ave. S., Bldg. 6
Federal Way, WA 98003

Attn: Bob Simons

Sample ID: #01
Project: FW Rental Mart
Sample Matrix: Soil
Date Sampled: 2-9-93
Date Received: 2-9-93
Spectra Project: S302-074
Spectra #0806
RUSH

BTEX, EPA Method 8020
Dilution Factor: 1

Date Extracted: 2-10-93
Date Analyzed: 2-10-93
Units: mg/Kg

Benzene	<0.3
Toluene	<0.3
Ethyl Benzene	<0.3
Total Xylenes	<0.3

WTPH-G, mg/Kg	<20

SPECTRA LABORATORIES, INC.

Steven G. Hibbs, Chemist

SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

February 11, 1993

Nowicki & Associates
33516 9th Ave. S., Bldg. 6
Federal Way, WA 98003

Attn: Bob Simons

Sample ID: #02
Project: FW Rental Mart
Sample Matrix: Soil
Date Sampled: 2-9-93
Date Received: 2-9-93
Spectra Project: S302-074
Spectra #0807
RUSH

BTEX, EPA Method 8020
Dilution Factor: 1

Date Extracted: 2-10-93
Date Analyzed: 2-10-93
Units: mg/Kg

Benzene	<0.3
Toluene	<0.3
Ethyl Benzene	<0.3
Total Xylenes	<0.3

WTPH-G, mg/Kg	<20

SPECTRA LABORATORIES, INC.

Steven G. Hibbs, Chemist

SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

February 11, 1993

Nowicki & Associates
33516 9th Ave. S., Bldg. 6
Federal Way, WA 98003

Attn: Bob Simons

Sample ID: #03
Project: FW Rental Mart
Sample Matrix: Soil
Date Sampled: 2-9-93
Date Received: 2-9-93
Spectra Project: S302-074
Spectra #0808
RUSH

BTEX, EPA Method 8020
Dilution Factor: 1

Date Extracted: 2-10-93
Date Analyzed: 2-10-93
Units: mg/Kg

Benzene	<0.3
Toluene	<0.3
Ethyl Benzene	<0.3
Total Xylenes	<0.3

WTPH-G, mg/Kg	<20

SPECTRA LABORATORIES, INC.

Steven G. Hibbs, Chemist

SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

February 11, 1993

Nowicki & Associates
33516 9th Ave. S., Bldg. 6
Federal Way, WA 98003

Attn: Bob Simons

Sample ID: #04
Project: FW Rental Mart
Sample Matrix: Soil
Date Sampled: 2-9-93
Date Received: 2-9-93
Spectra Project: S302-074
Spectra #0809
RUSH

BTEX, EPA Method 8020
Dilution Factor: 1

Date Extracted: 2-10-93
Date Analyzed: 2-10-93
Units: mg/Kg

Benzene	<0.3
Toluene	<0.3
Ethyl Benzene	3.68
Total Xylenes	7.68

WTPH-G, mg/Kg	1,050

SPECTRA LABORATORIES, INC.

Steven G. Hibbs, Chemist

SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

February 11, 1993

Nowicki & Associates
33516 9th Ave. S., Bldg. 6
Federal Way, WA 98003

Attn: Bob Simons

Sample ID: #05
Project: FW Rental Mart
Sample Matrix: Soil
Date Sampled: 2-9-93
Date Received: 2-9-93
Spectra Project: S302-074
Spectra #0810
RUSH

BTEX, EPA Method 8020
Dilution Factor: 1

Date Extracted: 2-10-93
Date Analyzed: 2-10-93
Units: mg/Kg

Benzene	<0.3
Toluene	<0.3
Ethyl Benzene	<0.3
Total Xylenes	<0.3

WTPH-G, mg/Kg	<20

SPECTRA LABORATORIES, INC.

Steven G. Hibbs, Chemist

SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

February 11, 1993

Nowicki & Associates
33516 9th Ave. S., Bldg. 6
Federal Way, WA 98003

Attn: Bob Simons

Sample ID: #06
Project: FW Rental Mart
Sample Matrix: Soil
Date Sampled: 2-9-93
Date Received: 2-9-93
Spectra Project: S302-074
Spectra #0811
RUSH

BTEX, EPA Method 8020
Dilution Factor: 1

Date Extracted: 2-10-93
Date Analyzed: 2-10-93
Units: mg/Kg

Benzene	<0.3
Toluene	<0.3
Ethyl Benzene	0.73
Total Xylenes	4.4

WTPH-G, mg/Kg	203

SPECTRA LABORATORIES, INC.

Steven G. Hibbs, Chemist

SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

February 11, 1993

Nowicki & Associates
33516 9th Ave. S., Bldg. 6
Federal Way, WA 98003

Attn: Bob Simons

Sample ID: #07
Project: FW Rental Mart
Sample Matrix: Soil
Date Sampled: 2-9-93
Date Received: 2-9-93
Spectra Project: S302-074
Spectra #0812
RUSH

BTEX, EPA Method 8020
Dilution Factor: 1

Date Extracted: 2-10-93
Date Analyzed: 2-10-93
Units: mg/Kg

Benzene	<0.3
Toluene	<0.3
Ethyl Benzene	<0.3
Total Xylenes	0.77

WTPH-G, mg/Kg	43.6

SPECTRA LABORATORIES, INC.

Steven G. Hibbs, Chemist

SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

February 11, 1993

Nowicki & Associates
33516 9th Ave. S., Bldg. 6
Federal Way, WA 98003

Attn: Bob Simons

Sample ID: #08
Project: FW Rental Mart
Sample Matrix: Soil
Date Sampled: 2-9-93
Date Received: 2-9-93
Spectra Project: S302-074
Spectra #0813
RUSH

BTEX, EPA Method 8020 Dilution Factor: 1	Date Extracted: 2-10-93 Date Analyzed: 2-10-93 Units: mg/Kg
Benzene	<0.3
Toluene	<0.3
Ethyl Benzene	4.73
Total Xylenes	28.7
WTPH-G, mg/Kg	955

SPECTRA LABORATORIES, INC.

Steven G. Hibbs, Chemist

SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

February 11, 1993

Nowicki & Associates
33516 9th Ave. S., Bldg. 6
Federal Way, WA 98003

Attn: Bob Simons

Sample ID: Comp. 1,2,3,4,5,6,7,8
Project: FW Rental Mart
Sample Matrix: Soil
Date Sampled: 2-9-93
Date Received: 2-9-93
Spectra Project: S302-074
Spectra #0814
RUSH

Total Lead (Pb), mg/Kg	73

Total Lead testing performed by EPA Method 6010

SPECTRA LABORATORIES, INC.

Steven G. Hibbs, Chemist

SPECTRA Laboratories, Inc.
2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

February 11, 1993

Nowicki & Associates
33516 9th Ave. S., Bldg. 6
Federal Way, WA 98003

Attn: Bob Simons

Sample Matrix: Soil
EPA Method: BETX 8020
Sample Spiked: Method Blank
Date Extracted: 2-1-93
Date Analyzed: 2-1-93
Units: mg/Kg
Spectra Project: S302-074
Applies to Spectra #'s
0806 through 0813

VOLATILE ORGANIC ANALYSIS
QUALITY CONTROL RESULTS

Compound	Sample Result	Spike Amount Added	Spike Amount Found	% Recovery	Dup. Spike Amount Found	% Recovery	% RPD
Benzene	<0.30	0.88	0.90	103	0.93	106	4
Toluene	<0.30	0.88	0.96	109	0.98	111	2
Ethylbenzene	<0.30	0.88	0.94	107	0.97	110	3
m,p-Xylene	<0.30	1.70	1.67	98	1.73	102	4
o-Xylene	<0.30	0.88	0.96	109	0.97	110	1

SPECTRA LABORATORIES, INC.

Steven G. Hibbs, Chemist

SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

February 11, 1993

Nowicki & Associates
33516 9th Ave. S., Bldg. 6
Federal Way, WA 98003

Attn: Bob Simons

Method: WTPH-G
Sample Matrix: Soil
Spectra Project: S302-074
Applies to Spectra #'s
0806 through 0813

HYDROCARBON ANALYSIS
QUALITY CONTROL RESULTS

MS/MSD

Spiked Sample: Method Blank
Units: mg/Kg

Date Extracted: 2-1-93
Date Analyzed: 2-1-93

Compound	Sample Result	Spike Amount	Spike Result	% Recovery	Dup. Result	Dup. Recovery	% RPD
Gasoline	<20	51.4	52	101	46.4	90	11

METHOD BLANK

Date Extracted: 2-10-93

Date Analyzed: 2-10-93

WTPH-G, mg/Kg

<20

SPECTRA LABORATORIES, INC.

Steven G. Hibbs, Chemist

SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

February 11, 1993

Nowicki & Associates
33516 9th Ave. S., Bldg. 6
Federal Way, WA 98003

Attn: Bob Simons

METHOD BLANK
Sample Matrix: Soil
Spectra Project: S302-074
Applies to Spectra #'s
0806 through 0813

BTEX, EPA Method 8020
Dilution Factor: 1

Date Extracted: 2-10-93
Date Analyzed: 2-10-93
Units: mg/Kg

Benzene	<0.3
Toluene	<0.3
Ethyl Benzene	<0.3
Total Xylenes	<0.3

SPECTRA LABORATORIES, INC.

Steven G. Hibbs, Chemist

SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

February 11, 1993

Nowicki & Associates
33516 9th Ave. S., Bldg. 6
Federal Way, WA 98003

Attn: Bob Simons

METHOD BLANK
Date Analyzed: 2-10-93
Spectra Project: S302-074
Applies to Spectra #0814

Total Lead (Pb), mg/Kg	<4

Total Lead testing performed by EPA Method 6010

SPECTRA LABORATORIES, INC.

Steven G. Hibbs, Chemist

438-7484

NW 006523
U0000432

UNDERGROUND STORAGE TANK
30 Day Notice of Intent to Close/Decommission Tanks

The purpose of this form is to provide the Department of Ecology with notice of intent to close/decommission an UST. It must be received 30 days prior to the closure [illegible] or the UST or be closed at his/her authorized repre[illegible] Ecology will notify the identified person of the earliest d[illegible]

For questions on completing this form, pleas[illegible]

Please type or use ink.

The completed checklist should be mailed to[illegible]

Post-it™ brand fax transmittal memo 7671 | # of pages ▸ 2

To: Joyce Smith	From: Darrell Walker
Co.: Dept of Ecology	Co.: O'Sullivan Petroleum
Dept.: UST Section	Phone #: 682-2440
Fax #: 438-7484	Fax #: 621-8568

RECEIVED
APR 07 1993
DEPT. OF ECOLOGY

DEPARTMENT OF ECOLOGY
UNDERGROUND STORAGE TANKS
RECEIVED
APR 02 1993

1. TANK OWNER AND LOCATION

UST Owner/Operator: Bank of California

Owners Mailing Address: 3153

Seattle (City) WA (State) 98104

Telephone: (206) 587-6451

Site ID Number (on invoice or available from Ecology if tank is registered):

Site/Business Name: Rental Mart

Site Address: 29805 Pacific Highway S. (Street) King (County)

Federal Way (City) WA (State) (Zip Code)

2. TANK PERMANENT CLOSURE TO BE PERFORMED BY (If known):

Firm: O'Sullivan Petroleum Equipment Co.

Address: 3214 16th ave SW (Street)

Seattle (City) WA (State) 98134 (Zip Code)

Telephone: (206) 682-2440 Contact Name: Darrell Walker

3. TANK INFORMATION

Tank Identification	Approx. Closure Date	Tank Capacity (gallons)	Tank Age (years)	Last Substance Stored
	May 10/93	1000	20-25	Diesel

4. SIGNATURE OF TANK OWNER/OPERATOR OR AUTHORIZED REPRESENTATIVE

Darrell Walker (Signature) (Type)

Estimator/Project Manager (Title) 4/2/93 (Date)

NW 40000439 SD

CCV

BANKCAL

THE BANK OF CALIFORNIA

DEPARTMENT OF ECOLOGY
UNDERGROUND STORAGE TANKS
MAR 17 1993

March 15, 1993

State of Washington
Department of Ecology
Mail Stop PV-11
Olympia, WA 98504

RE: Evans Trust
42123503/9940018C2
SITE NO. 006523 —
RENTAL MARTS
24805 Pac Highway S
Federal Way

Gentlemen:

Please be advised that we have had one tank removed from the above site. The tank we had removed held gasoline.

Very truly yours,

Susan L. Nakamichi
Trust Real Estate Assistant

sln

DEPARTMENT OF ECOLOGY
UNDERGROUND STORAGE TANKS
006523
DEC 27 1991

UNDERGROUND STORAGE TANK
Tightness Testing Checklist

1B/3B/NW

The purpose of this form is to certify the proper tightness testing of underground storage tank (UST) systems including connecting underground piping. Tightness testing shall be conducted in accordance with Chapter 173.360 WAC.

This Tightness Testing Checklist shall be completed and signed by a **Licensed Tightness Testing Supervisor**. The supervisor shall be on site when all tank tightness testing activities are being conducted. The firm which employs the licensed supervisor shall also be licensed by the Washington State Department of Ecology as a **Service Provider**.

Underground storage tank rules require owners/operators to employ a licensed tank services provider to repair, replace, upgrade, or close the UST system and to begin corrective action in accordance with WAC 173-360-399 if the test results indicate that a leak exists.

For further information about completing this form, please contact the Department of Ecology UST Program.

A separate checklist must be completed for each UST system (tank and associated piping) tightness tested, except that separate UST systems tightness tested at one site may be reported together by completing page 2 of this form separately for each system. The completed checklist should be mailed to the following address within 30 days of completion of tightness testing:

Underground Storage Tank Section
Department of Ecology
Mail Stop PV-11
Olympia, WA 98504-8711

1. UST SYSTEM OWNER AND LOCATION

UST Owner/Operator: BANK OF CALIFORINA

Owners Address: PO BOX 3123 (Street) (P.O. Box)

SEATTLE (City) WA (State) 98132 (ZIP-Code)

Telephone: ( )

Site ID Number (on invoice or available from Ecology if tank is registered): N/A 006523

Site/Business Name: RENTAL HARTS

Site Address: 29805 PACIFIC HWY SO (Street) KING (County)

FEDERAL WAY (City) WA (State) (ZIP-Code)

2. TIGHTNESS TESTING PERFORMED BY:

Firm: B.A.C. EQUIPMENT CO License Number: SN00007

Address: 20320 80TH AV SO (Street) (P.O. Box)

KENT (City) WA (State) 98032 (ZIP-Code)

Telephone: (206) 872-8890

Licensed Supervisor: JOSEPH C. SMOCK Tightness Testing License Number: W00108

ECY 010-150 (12/90)

This page must be completed separately for each tank and associated piping located at the site. For additional tanks you may photocopy this form prior to completing.

3. TANK AND TESTING INFORMATION

1. Tank ID Number (as registered with Ecology): #2
2. Date installed:
3. Tank capacity in gallons: 500
4. Last substance stored: DIESEL
5. Reason for conducting tightness test:
   - X To comply with leak detection requirements in UST rules.
   - ____ System test to investigate suspected release
   - ____ Other (describe) ____
6. Date tightness test was conducted: 12-18-91
7. Type of test conducted: Tank tightness test [X] Line tightness test [ ]
8. Tightness testing method used:

   Test method name: PETRO-TITE II

   Test method manufacturer: HEATH CONSULTANTS

   Volumetric [X] Non-volumetric [ ]

   If a non-volumetric method was used indicate approximate percentage tank was filled during test relative to capacity ____ %

4. CHECKLIST

The following items shall be initialed by the licensed supervisor whose signature appears below.

	Yes	No	NA*
1. Does the tightness testing method used meet the performance standard specified in the UST rules (e.g., detecting at least a 0.10 gallon per hour leak rate with probability of detection of at least 95% and probability of false alarm of no more than 5%)?			
2. Has the tightness testing method used been demonstrated by the manufacturer of the testing method to meet the above performance standard using EPA's standard test procedures for evaluating leak detection methods?			
3. Have all testing procedures recommended by the manufacturer of the testing method been followed while the test was being set up and conducted?			
4. Do the test results indicate that a leak exists in either the tank or piping system? If "yes" test results indicate that the leak is located in the: Tank [ ] Piping system [ ] If known, indicate leak rate: ____			
5. If Item No. 4 is checked "yes" has the owner/operator been notified of the test results? *NOTE: Underground storage tank rules require owners/operators to report all suspected releases to the Department of Ecology or delegated agency within 24 hours.*			

*Item not applicable

I hereby certify that I have been the licensed supervisor present on site during the above listed tightness testing activities and to the best of my knowledge they have been conducted in compliance with all applicable state and federal laws, regulations and procedures pertaining to underground storage tanks.

Persons submitting false information are subject to penalties under Chapter 173.360 WAC

12-18-91
Date

Signature of Licensed Supervisor

5. ADDITIONAL REQUIRED SIGNATURES

12-26-91
Date

Signature of Licensed Service Provider (firm) Owner or Authorized Representative

12-18-91
Date

V.P.
Signature of Tank Owner or Authorized Representative

JOHN URBAN

RENTAL MARTS
FEDERAL WAY
LUST 4709

29605 PACIFIC HWY S NFA 5/17/01

4709/6523
1993-2001

RENTAL MARTS
FEDERAL WAY
29605 PACIFIC HWY S
NW 0623
1993-2001

ATC
ASSOCIATES INC.

REPORT OF SUBSURFACE INVESTIGATION AT

AT 29805 PACIFIC HIGHWAY SOUTH IN FEDERAL WAY, WASHINGTON

FOR
UNION BANK OF CALIFORNIA
BY
ATC ASSOCIATES INC.
PROJECT NO. 76.17883.0901
February 2, 2001

RECEIVED
MAR 0 8 2001
DEPT. OF ECOLOGY

REPORT OF
SUBSURFACE INVESTIGATION
AT

AT 29805 PACIFIC HIGHWAY SOUTH
IN FEDERAL WAY, WASHINGTON

FOR
UNION BANK OF CALIFORNIA
BY
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February 2, 2001

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Mark Watts
Project Manager,
WA UST Site Assessor

Jon R. Lovegreen
Certified Professional
Geological Scientist #4379

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FIGURES

Figure 1 – Site Vicinity Map
Figure 2 – Site Plan

APPENDICES

Appendix A. GEOPHYSICAL EXPLORATION REPORT
Appendix B. LABORATORY ANALYTICAL REPORTS
Appendix C. BORING LOGS AND FIELD PROCEDURES
Appendix D. LIKELIHOOD STATEMENTS

1.0 INTRODUCTION

1.1 Site Description

The site is located at 29805 Pacific Highway South in Federal Way, King County, Washington on the southwest corner of Pacific Highway South and Dash Point Road. The site consists of a 1.75-acre land parcel occupied at the time of this investigation by a vacant 6,350 square foot one-story commercial building located in the southern portion of the site. The building was reported to have been constructed in 1970 and has been utilized as an equipment rental facility since that time. Land use in the site vicinity consists of both commercial and residential interests. Figure 1 depicts the location of the project area on a topographic map (*Poverty Bay, WA).* United States Geological Survey topographic map, 7.5-minute series, 1:24,000 scale, 1961, Photorevised 1994).

The work was conducted by ATC Associates Inc. during the period of September 17, 2000 to January 12, 2001 in general accordance with Union Bank's Letter of Authorization for Union Bank of California File Log I.D. No. E00-1339-T dated September 11, 2000 pursuant to the Professional Environmental Services Agreement between Union Bank of California and ATC Associates Inc. dated 11 February 2000. The work was conducted at the request of and by the authorization of Ms. Cynthia Wagner of Union Bank of California.

1.2 Objectives

The objective of the subsurface investigation was to evaluate the likelihood that elevated concentrations of petroleum hydrocarbons, volatile organic compounds (VOCs) and heavy metals are present in the vicinity of UBOC-specified site features.

In addition, a supplemental objective was to evaluate whether a reported septic tank was present in an area where a geophysical anomaly was found during the initial stage of the subsurface investigation.

1.3 Scope

The scope of work that was developed initially to meet the scope of work was consistent with that requested by UBOC in its request for proposal dated August 31, 2000. Following the completion of the geophysical survey and the utility scan on September 29, 2000 and October 2, 2000, the scope of work was modified to that described below.

Health & Safety Plan
Geophysical Survey
Sump Outlet (Utility Scan)
Soil Sample Collection via Geoprobe Drilling Equipment
Laboratory Analyses of Selected Soil Samples
UST Exposure Based on the Results of the Geophysical Survey
Report and Management

The number of borings, their respective depths, and the analyses that were conducted are summarized in Section 5.

2.0 BACKGROUND

According to a Phase I Environmental Site Assessment (ESA) of the site performed by Kleinfelder, Inc. in June 2000, the following environmental concerns were reported to be present at the site:

- Historical review indicated that a combination restaurant and gasoline service station occupied the eastern portion of the site from approximately 1920 to the late 1960s. The number and location of the USTs associated with the gasoline station was not disclosed. The approximate location of the former gasoline station building is shown on Figure 2.

- In 1993, a 500-gallon diesel UST located in the southwest portion of the site was removed. According to Mr. Lee Forte, manager of United Rentals (previous tenant of the site), this UST was used by the equipment rental business. At the time of removal, all petroleum hydrocarbon-impacted soils were reported to have been removed. A 5,000-gallon gasoline UST (presumably from the former gasoline service station) located in the northeastern portion of the site was also removed in 1993. At the time of the UST removal, all impacted/contaminated soil was reported to have been removed. The approximate locations of these former USTs are shown on Figure 2.

- A 1,000-gallon septic tank was reported to have been left at the site. It was reported by Kleinfelder, Inc. (2000) to be north of the former 5,000-gallon UST that was removed in 1993.

- Following demolition of the gasoline service station, the existing site building was built on the southern part of the site in 1970.

- The site has been occupied by an equipment rental business since 1970, however the site is currently vacant.

- Several sumps were located both on the outside and inside of the building at the site. Water was present within the sumps and evidence of petroleum staining around the sumps was observed.

Based on the results of a Phase I Environmental Site Assessment (ESA) which included a number of the above observations, Kleinfelder, Inc. (2000) recommended the following:

- The performance of a geophysical survey of the site in order to further assess the presence of USTs or septic tanks that may be present from the former gasoline station.

- The completion of a subsurface soil sampling program in the areas adjacent to the two collection sumps located within the on-site structure, in the location of the former gasoline and diesel USTs removed in 1993, and in the location of the pump dispensers located at the former gasoline service station.

These and other concerns cited in UBOC's RFP were addressed in the scope of work described above for this subsurface investigation.

According to Kleinfelder, Inc. (2000) the site would be expected to be underlain by glacial deposits of the Vashon Drift which include dense, compact till and various types of glacial outwash. In

conversations with representatives of UBOC who are familiar with the area, it is ATC's understanding that the site is located in a former stream valley which lay approximately 30 feet below the present ground surface (bgs). The former stream/creek is reported to have been diverted to a drain that lies at a depth of approximately 30 feet bgs and trends approximately north-south across the eastern part of the site. No information on the depth to groundwater was reported in the immediate site vicinity by Kleinfelder (2000). The report stated that a water well located approximately 1.2 miles south of the site had a static water depth of approximately 45 feet bgs. The reported groundwater gradient was to the west-northwest (toward Puget Sound). ATC's experience with other sites in the general area of site is consistent with this reported depth to groundwater and gradient.

3.0 GEOPHYSICAL SURVEY

On September 19, 2000, a geophysical survey was performed across the site by Apollo Geophysics Corporation (AGC) under subcontract to ATC. AGC elected to use electromagnetics (EM) and ground penetrating radar (GPR) for the geophysical survey. The purpose of the survey was to evaluate the presence of buried ferrous objects throughout the site. AGC conducted its survey by initially traversing the entire site on 5-foot line spacings with the EM equipment. The GPR was then used to evaluate anomalies found by the EM equipment. AGC's report, including the equipment used, is included in Appendix A.

AGC reported three anomalies which they interpreted to be indicative of subsurface features during their geophysical exploration. The location of each of these anomalies is shown on Figure 1 in the Geophysical Survey Report in Appendix A and summarized as follows:

- AGC anomaly #1, located approximately 50 feet north of the northeast corner of the building at the site, indicated the presence of a potentially "crushed" UST.
- AGC anomaly #2, located in the vicinity of the reported septic tank on the eastern portion of the site, indicated the potential for several pipes entering the septic tank area.
- AGC anomaly #3, located in the northwestern portion of the site, indicated the presence of a potential UST.

In addition, AGC located and marked the outfall from the on-site sumps. According to AGC, the outfall was located approximately 50 feet north of the existing building at the site. This corresponded with a surface drain to the storm water sewer system. The surface drain is approximately three feet in diameter. This outfall is the subsurface discharge point where the drain from the sumps discharges into the storm water sewer. AGC marked the locations of these subsurface features on the asphalt pavement using white marking paint

On September 29, 2000, Emerald (under subcontract to ATC) used a backhoe to excavate the areas of the three anomalies. AGC anomalies #1 and #3 were found to have metal auto parts' debris at the depth interval of 5 to 8 feet bgs. No evidence of petroleum impacts (such as staining associated with petroleum hydrocarbons) to the soil was noted in these areas. The excavations were filled with the same soil that was excavated from these areas. However, one UST was found at approximately eight feet bgs in the area of AGC anomaly #2. This UST was investigated further as discussed below.

4.0 UTILITY SCAN

Utility Detection Services (UDS) utilized a 60-cycle Metrotech 6890 (line locator) to detect energized electrical lines and an A-10 Metrotech Line Locator to detect metallic objects (i.e., water lines, telephone cables, corrugated pipes) in the proposed boring locations. No utilities were identified by UDS in any in the vicinity of any of the proposed boring locations.

5.0 SUBSURFACE INVESTIGATION

5.1 Health and Safety Plan

The Health and Safety Plan was prepared by ATC prior to commencement of the fieldwork. It is the policy of ATC to provide a health and safety plan for all projects where hazardous wastes potentially may be found. The Health and Safety Plan is designed to minimize exposure of personnel of ATC and its subcontractors to potentially hazardous waste.

5.2 Soil Investigation

Following the completion of the geophysical survey and the exposure of the UST in the eastern portion of the site, ATC and UBOC discussed the number, location, and depth of borings to be drilled. Based on those discussions, on October 2, 2000, a total of ten (10) direct-push sampling probe borings (B-1 through B-10) were advanced at the locations shown on Figure 2.

The following table indicates the boring location, boring depth and the type of laboratory analysis that were performed for each analyzed soil sample. The depth of some borings was less than planned due to difficulty in advancing the drilling equipment to the desired depth (e.g., refusal). The planned depth is shown parenthetically in the following table.

Boring Number	Location	Depth (feet bgs)	Laboratory Analyses
B-1	Former 500-gallon diesel UST area; approx. 30 ft north of NE corner of existing site building	12 (20)	DRO
B-2	Reported septic tank area; in the area of the 750-gallon UST and reported former 5,000-gallon UST; in the area of the former gas service station	16 (10)	DRO, GRO, VOCs (including BTEX), metals
B-3	In an asphalt-patched indicative of a possible UST; also in the area of the former gas service station	15 (20)	GRO, BTEX
B-4	Approx. 5 ft NE of "north outside" sump (north of site building)	10 (10)	DRO, GRO, VOCs (including BTEX), metals
B-5	Adjacent to manhole (near sumps' outfall (discharge point) to the sewer line) approx. 50 ft north of site building	10.5 (10)	DRO, GRO, VOCs (including BTEX), metals
B-6	Adjacent to "west outside" sump (west of site building)	8 (10)	DRO, GRO, VOCs (including BTEX), metals
B-7	Adjacent to "eastern inside" sump (in main service bay)	10 (10)	DRO, GRO, VOCs (including BTEX), metals
B-8	On north side of former drum storage area; a heavily stained area	5 (5)	DRO, total lead
B-9	On south side of former drum storage area	4 (5)	DRO, total lead
B-10	Adjacent to "western inside" sump (in west service bay)	10 (10)	DRO, GRO, VOCs (including BTEX), metals

Depths indicated in parenthesis refer to the UBOC-specified depths (10)
VOCs = volatile organic compounds analyzed in general accordance with U.S. EPA Method No.8021B.
GRO = gasoline-range organics (total petroleum hydrocarbons [TPH]) analyzed in general accordance with State of Washington Method NWTPH-Gx.
DRO = diesel- and oil-range organics TPH analyzed in general accordance with State of Washington Method NWTPH-Dx.
BTEX = benzene, toluene, ethylbenzene and xylene analyzed in general accordance with U.S. EPA Method No. 8021B.
Metals = total lead, cadmium, chromium, arsenic, and mercury analyzed in general accordance with U.S. EPA-7000 Series.

Differences in the actual boring depths versus the proposed boring depths were due primarily to boring refusal (typically caused by large cobbles). Boring B-3 was advanced to 16 feet bgs to evaluate conditions of the nearby UST discovered on September 29, 2000.

TEG Northwest, Inc., under subcontract to ATC, used a truck-mounted Strataprobe™ direct-push probe apparatus to advanced the soil probe borings. All of the probes were advanced to approximately 4 to 16 feet bgs. The borings were logged by an ATC Project Manager and reviewed by a Certified Professional Geological Scientist. Soil samples were examined for evidence of impacted soil (such as staining or odors) and scanned using a photoionization detector (PID). The soil samples were placed into laboratory-provided glass containers. The collected soil samples were placed into a cooler chilled with "blue" ice and transported to the laboratory following chain-of-custody protocols.

The soil samples were sent to TEG Northwest Inc. in Lacey, Washington for analysis. Soil samples with obvious indications of impact by petroleum hydrocarbons were analyzed for the presence of gasoline-range organics (GRO) total petroleum hydrocarbons (TPH) using Method NWTPH-G, diesel- and oil-range organics (DRO) TPH using Method NWTPH-Dx and for BTEX using EPA Method 8021B.

5.3 Subsurface Conditions

The soil conditions encountered consisted of brown, dry to moist silty sand with gravel and cobbles in the upper 13 feet. Below 13 feet to the bottom of the borings at approximately 16 feet bgs were gray, silty, gravelly, medium to fine sands. In ATC's judgment, all of the soils encountered were non-native fill material. This judgment is based on the presence of the amount of demolition debris (i.e., concrete, car parts, tires and wood) found while excavating to the top of the UST.

Groundwater was not encountered in any of the borings. However, the two borings drilled to a depth of 15 to 16 feet bgs encountered wet soil conditions indicative of possible seasonal perched water. Boring logs are included in Appendix C.

Petroleum-impacted soil was encountered in boring B-3 at a depth of approximately 11.5 feet bgs. This soil was observed to be visually stained, had a petroleum odor and had a low PID reading of 2.0. No other borings had observed field indicators of petroleum hydrocarbons or VOCs.

5.4 Soil Sample Observations and Laboratory Analyses

One to two soil samples were collected from each boring (B-1 through B-10) and submitted for analysis. Field screening of soil samples using a PID revealed no detectable organic vapors in the soil samples except for one soil sample in boring B-3 at a depth of approximately 11.5 feet bgs. Sample B-3 (11.5 – 12.0) was analyzed for the presence of GRO TPH and BTEX. Laboratory analysis revealed that sample B-3 (11.5 - 12.0') did not contain detectable concentrations of either GRO TPH or BTEX. As discussed above, the remaining soil samples collected from borings B-1 through B-10 showed no visual indications that soil was impacted by petroleum hydrocarbons or VOCs. The soil sample analytical results and chain-of-custody documentation are included in Appendix B.

Soil sample B-5 (10-10.5) contained 140 milligrams per kilogram (mg/kg) lead. Soil samples B-4 (7.5 – 8.0) and B-10 (3.5 – 4.0) both contained 21 mg/kg chromium. These concentrations are not considered significant as discussed below in Section 7.

No VOCs were detected in any of the analyzed soil samples.

6.0 UST EXCAVATION

Based on the results of the geophysical survey, feature #2 was interpreted to be a possible UST along the eastern portion of the site. On September 29, 2000 the area in this anomaly was excavated and the top of a UST was exposed. The interior of the UST was observed to have a minimal amount of liquid in the bottom of the UST. The UST was observed to be oriented in an east - west direction. It was estimated to be approximately seven feet long and three feet wide with an estimated capacity of 750 gallons.

The top of the UST was encountered at a depth of approximately eight feet bgs. Soil was excavated to a depth of approximately nine feet, around the UST. No evidence of petroleum-impacted soil was observed during the exposure of the top of the UST. Following the confirmation of its presence, the UST was covered with the excavated soil pending finalization of the scheduling to remove the UST.

7.0 DISCUSSION

The results of the geophysical survey were used to locate where the outfall (subsurface discharge point) from the on-site sumps discharged into the sewer. According to AGC, the outfall was located approximately 50 feet north of the existing building at the site at the location shown on Figure 2. Boring B-5 was drilled in the vicinity of this sump discharge location. No evidence of impacted soil was observed in the collected soil samples and no DRO or GRO TPH or VOCs were detected in the analyzed soil sample collected at a depth of approximately 10 feet bgs. No metals were detected except for lead, which was detected in the analyzed soil sample at a concentration of 140 mg/kg. The State of Washington Model Toxics Control Act (MTCA) Cleanup Level for unrestricted land use for lead in soil is 250 mg/kg. Based on these results, there is a very low likelihood that the soils in the vicinity of this discharge location have elevated concentrations of petroleum hydrocarbons, VOCs or heavy metals. Likelihood statements are discussed in Appendix D.

The results of the geophysical survey also were interpreted by AGC to show that there were three features indicative of a possible septic tank and two possible USTs at the locations shown on Figure 2. Subsequent excavation in the area of each of these anomalies found metal debris in the area of two of the anomalies (AGC anomalies #1 and #3). No evidence of impacted soil was observed in the soils excavated in these areas. An approximately 750-gallon UST was found in the area of AGC anomaly #2. No evidence of impacted soil was observed in the soils excavated from above the top of this UST. Following its observation, the UST was recovered with excavated soil until such time as it could be decommissioned by removal under an agency permit. Boring B-2 was advanced near the east side of this 750-gallon UST. No evidence of impacted soil was observed in the collected soil samples and no DRO or GRO TPH, VOCs, or metals were detected in the analyzed soil sample collected at a depth of approximately 15.5 feet bgs. Based on these results, there is a low likelihood that the soils in the vicinity of this UST have elevated concentrations DRO or GRO TPH, VOCs, or metals.

The results of the drilling, soil sampling, and laboratory analysis of soil samples collected in the vicinity of the four sumps included no observed field evidence of impacted soil or detectable concentrations of DRO or GRO TPH, or VOCs (including BTEX). No heavy metals were detected in any of the analyzed soil samples except for chromium which was detected in borings B-4 (7.5 – 8.0) and B-10 (3.5 – 4.0).

Both samples contained 21 mg/kg chromium. This concentration is below those reported to be "normal" in soils in general and soils in the western United States (Fink, 1996; Shacklette and Boerngen, 1984). The Model Toxics Control Act Method A Cleanup Level for chromium in soil is 100 mg/kg. Based on these results, there is a low likelihood that the soils in the vicinity of this UST have elevated concentrations of DRO or GRO TPH, VOCs, or metals.

The results of the soil sampling in boring B-2 near the former 5,000-gallon gasoline UST decommissioned in 1993, the 750-gallon UST and the formerly reported septic tank showed no field evidence of petroleum hydrocarbon impacted soil. No DRO or GRO TPH, VOCs, or metals were detected in the analyzed soil sample collected at a depth of approximately 15.5 feet bgs. Based on these results, there is a low likelihood that the soils in the vicinity of this UST have been impacted by DRO or GRO TPH, VOCs, or metals.

No evidence of impacted soil was observed in sampled soil in boring B-3 (in the area with of an asphalt-patch indicative of a possible UST) except for a thin zone (approximately one-inch thick) of stained soil that was observed in soil collected from a depth of approximately 11.5 feet bgs. This thin zone of stained soil had a petroleum odor and a low PID reading of 2.0. The soil sample collected in this depth interval was analyzed was for GRO TPH and BTEX. Analytical results of this soil sample revealed no detectable concentrations of GRO or BTEX. Based on these results, there is a low likelihood that the soils in the vicinity of this UST have been impacted by GRO TPH and BTEX.

8.0 CONCLUSIONS

Based on the results of this investigation, current regulatory guidelines, and the judgment of ATC, the following conclusions have been drawn:

- A geophysical anomaly in the eastern portion of the site was found to have one UST of approximately 750-gallon capacity.
- During excavation of geophysical anomaly #2, no evidence of the reported septic tank was found.
- None of the analyzed soil samples had concentrations of GRO or DRO TPH, VOCs (including BTEX), or metals that exceeded MTCA Method A Cleanup Levels.
- There is a low likelihood that elevated concentrations of petroleum hydrocarbons (DRO or GRO TPH); VOCs, or metals are present in soils in the vicinity of the sumps, sump outfall area, drum storage area, and the former 500- and 5000-gallon USTs.

9.0 RECOMMENDATION

Based on the results of this investigation, current regulatory guidelines, and the judgment of ATC, the following recommendation is presented for your consideration:

- The approximately 750-gallon UST discovered on September 29, 2000 should be decommissioned according to Washington Department of Ecology guidelines.

10.0 REFERENCES

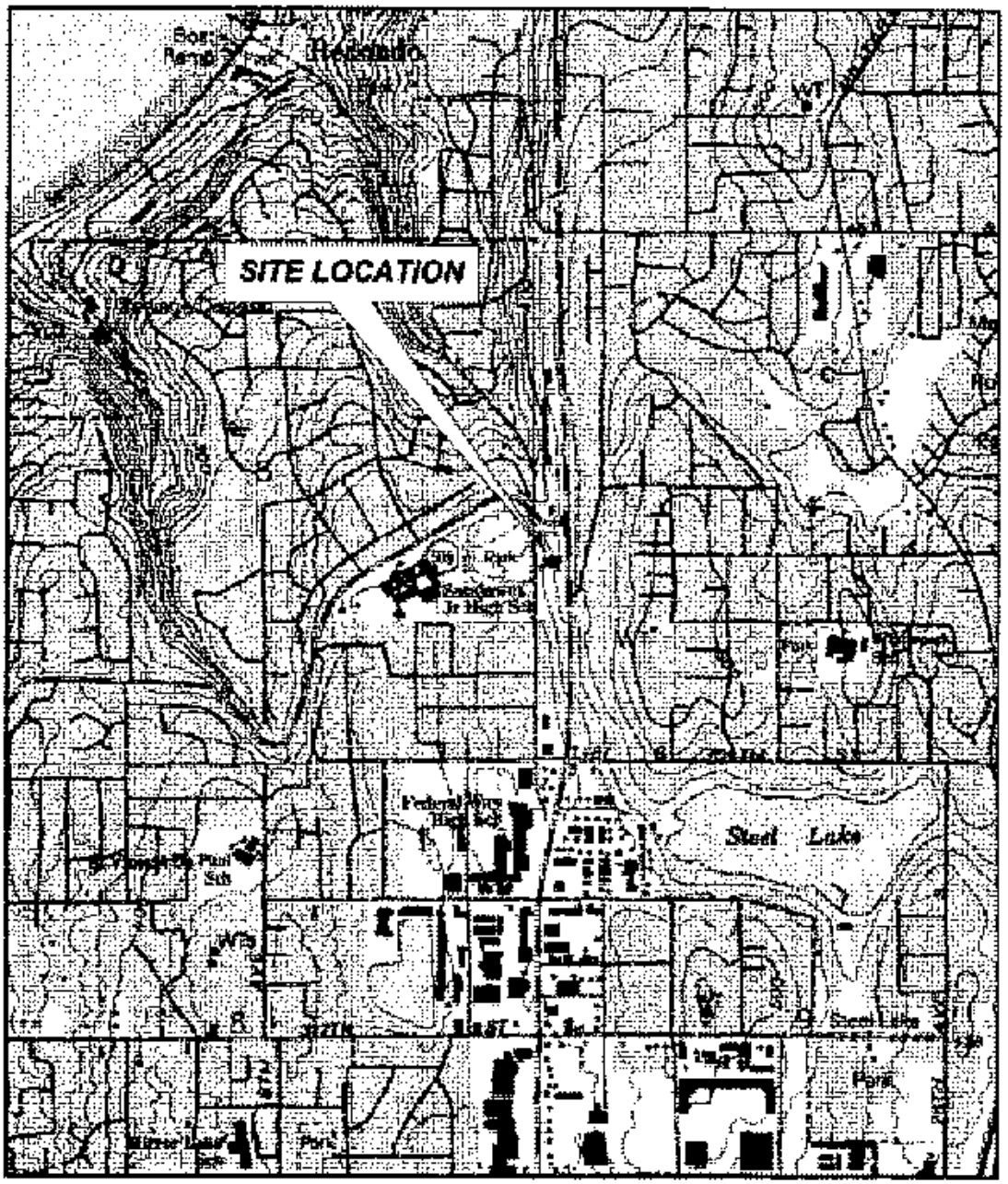
Fink, C.R., 1996, A perspective on metals in soils: Journal of Soil Contamination, v. 5, no. 4, pp 329-359.

Kleinfelder, Inc., 2000, Phase I Environmental Site Assessment Vacant Commercial Property, 29805 Pacific Highway South, Federal Way Washington 98003, UBOC File No. E00-1148-T: Unpublished professional report prepared for Ruth Evans Trust c/o UBOC of Orange, California, dated June 13, 2000.

Shacklette H.T., and Boerngen, J.G., 1984, Element concentrations in soils and other surficial materials of the conterminous United States: U.S. Geological Survey Professional Paper 1270, U.S. Government Printing Office, Washington, D.C., 105p.

R 4 E.

T 21 N.



1/2 mile 0 1 mile

SOURCE: USGS 7.5 X 15 MINUTE TOPOGRAPHIC SURVEY MAP OF
POVERTY BAY, WASHINGTON QUADRANGLE; 1961, PHOTOREVISED 1994

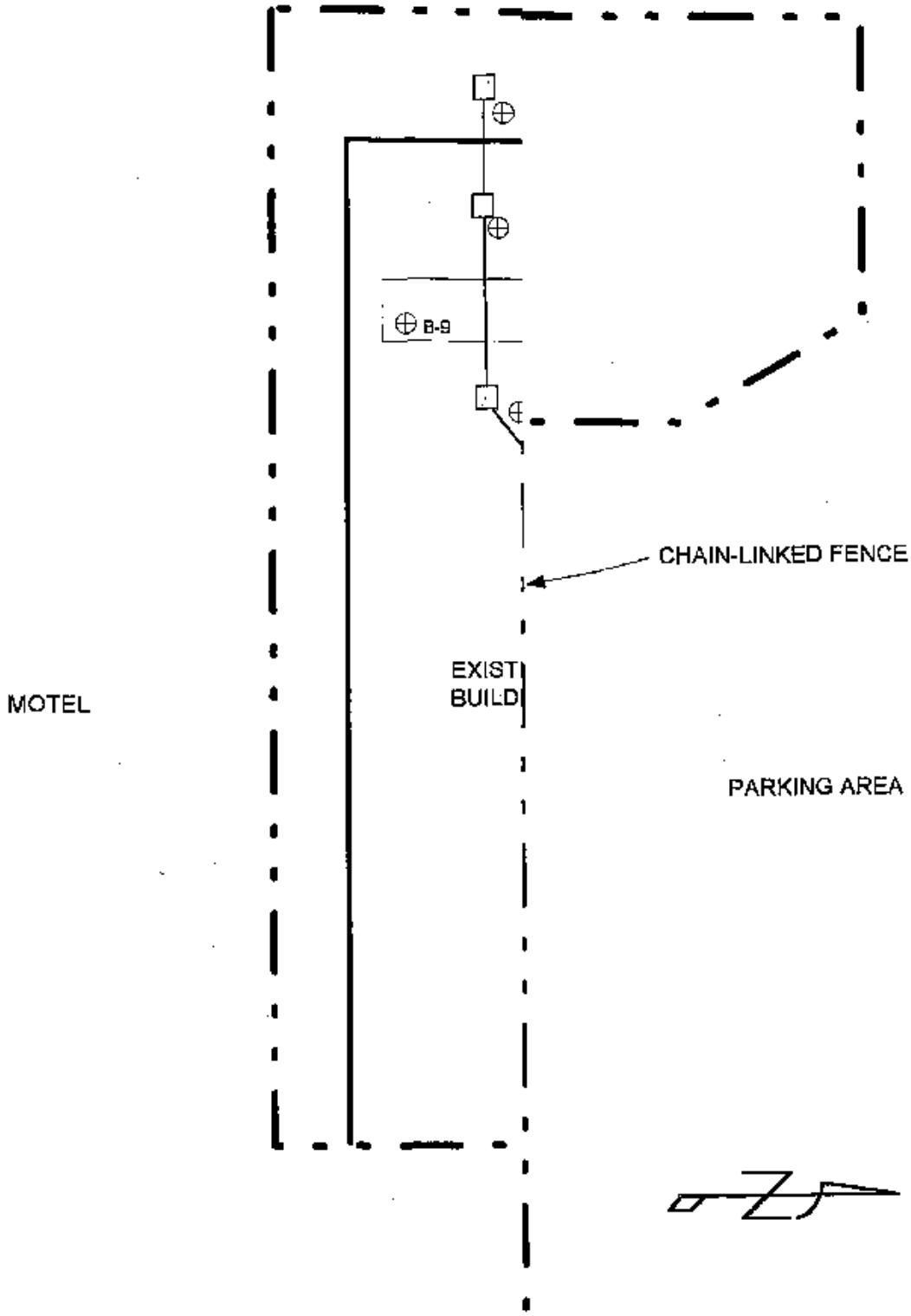
VATC ASSOCIATES INC.
Solutions for Environmental Concerns

PROJECT NO.: 76.17883.0901		
DESIGNED BY: MW	SCALE: 1:24,000	
DRAWN BY: MW	DATE : 12/15/00	FILE: Fig1.VSD

FIGURE 1

SITE VICINITY MAP

PHASE II SUBSURFACE INVESTIGATION
RUTH EVANS TRUST
29805 PACIFIC HIGHWAY SOUTH
FEDERAL WAY, WASHINGTON



ATC ASSOCIATES INC.
Solutions For Environmental Concerns

PROJECT NO.: 76.17883.0901		
DESIGNED BY: MW	SCALE: 1" = 25'	TYPE:
DRAWN BY: MW	DATE : 01/16/01	FILE: 0901Fig2.vsd

FIGURE 2

SITE MAP

PHASE II SUBSURFACE INVESTIGATION
RUTH EVANS TRUST
29805 PACIFIC HIGHWAY SOUTH
FEDERAL WAY, WASHINGTON

APPENDIX A

GEOPHYSICAL EXPLORATION REPORT

APOLLO GEOPHYSICS CORPORATION

Engineering, Geology, Environmental, Construction & Mining

Wednesday, October 04, 2000

Mark Watts
ATC Associates, Inc.
6347 Seaview NW
Seattle, Washington 98107

AGC File No.: **00.347**

Re: **UST Locate**
Federal Way Site
Federal Way, Washington

Dear Mr. Watts,

This letter reports the results of geophysical exploration for potential Underground Storage Tanks (USTs) at the above referenced site. The site is located at 29805 Pacific Highway South in Federal Way, Washington. A two-person field crew from **APOLLO GEOPHYSICS** completed the geophysical field program on Tuesday, September 19, 2000.

We investigated the site with an Electromagnetic (EM) instrument, which locates buried metal objects. We traversed the site with the EM instrument on approximate 5-foot line spacings, which produced target areas for the Ground Penetrating Radar (GPR). We further investigated the target areas using GPR, which enabled us to identify the targets as potential USTs, underground utilities, or demolition debris. Ground Penetrating Radar established a relative depth, size and ground projection of the object (i.e. to determine if the object was indicative or was not indicative of a UST or utility). Small objects in the near surface, 1 to 2 feet, will respond the same as a larger object (UST) at depth.

RESULTS OF THE GEOPHYSICAL SURVEY

We investigated the inside the existing building with the GPR instrument for the piping, which connects the sumps together. We traversed the parking lot area with an EM instrument, which

found several target areas for further investigation with the GPR instrument, to evaluate their potential as USTs.

One of the EM target areas, Target #3, showed potential as a UST after being traversed with the GPR Instrument. We recommend this area to be further evaluated with direct exploration.

Target area #2 showed potential as a buried septic tank after being traversed with the GPR instrument. We recommend this area to be further evaluated with direct exploration. The GPR Imagery indicated the potential for several pipes entering the septic tank.

The GPR Imagery for Target #1 was not indicative of a UST however; the Imagery may indicate the potential for a crushed UST. We recommend this area to be further evaluated with direct exploration.

The approximate locations of the pipes connecting the sumps inside the building and the approximate locations of target areas #1 through #3 are shown on the Site Plan in Figure 1. The GPR images for target areas #1 through #3 are presented in Figures 2 through 6. All EM target areas and recommended direct exploration locations were marked in the field with environmentally degradable paint. Suspected pipes, demolition debris, etc., were not marked in the field.

The 'GPR Imagery' presented in Figures 2 through 6 have a horizontal and vertical scale of approximately 1 inch equals 4 feet. With regard to the estimated vertical scale, the normal relationship between radar time and actual depth for the Northwest Region is approximately 4 to 4.5 nanoseconds per foot. It should be noted that this relationship holds true in a general sense. Variations of water content, silt content and other factors, such as the presence of concrete flooring, may also change this relationship. Therefore it should be expected that the vertical scale is an estimate only and may vary from the shown scale.

ELECTROMAGNETIC

The electromagnetic, or EM device, transmits and receives an electromagnetic signal. The EM signal is transmitted through the ground, which in turn radiates a signal that is dependent on the ground conductivity and which is also received at the receiver. The two signals, the transmitted

and ground response EM waves, are balanced for a zero response in the instrument. When the ground conditions change, for example, when the transmitted signal encounters buried metal, the balance or null point changes, and the instrument responds with an audible signal. Depending on the size of the metal object, the penetration is up to 10 feet in depth. The EM survey was limited in areas, where reinforcing steel was present in the concrete or immediately adjacent to any above ground metal objects on the site.

GROUND PENETRATING RADAR

APOLLO GEOPHYSICS uses a PE1000 with either a 450 or 110 MHz antenna for shallow UST Locates. The radar antenna transmits an electromagnetic step-pulse at a frequency of 450/110 MHz at a selected stack rate of 32/64. When the signal encounters a change in electrical properties/permittivity, a portion of the signal energy is reflected back to the surface. The character of the reflection is used to define the source of the reflection. The reflected signal is received by the antenna, processed by a DSP radar processor with signal gain control and the raw data is recorded by the outboard 80486 computer with 16 MB RAM & 300 MB Hard Drive. The radar data is displayed by the computer on a 16.5 cm Color Active Matrix LCD VGA screen in real-time. The radar displays the data in real-time, which enables us to review the data in the field for on the spot evaluation. The recorded raw data, as recorded by the computer, is then later processed to remove unwanted peripheral effects by proprietary GPR software.

A typical circular UST will produce, in cross-section, a hyperbolic reflection. A traverse parallel to the centerline of the UST will show a horizontal (if there is no velocity or elevation change along the traverse) reflection, with a partial hyperbolic signature at both ends of the UST. The hyperbolic signature is the result of "seeing" the tank before the center of the antenna is over the tank.

WARRANTY OF SERVICES

Electromagnetic methods may define UST's constructed of non-ferrous metals, but not fiberglass or plastic materials. Ground Penetrating Radar may define fiberglass or plastic UST's or drums provided they fall within the exploration grid of the GPR.

All geophysical information presented is based upon geophysical measurements made by generally accepted methods and field procedures and **APOLLO GEOPHYSICS'** interpretation of these data. The geophysical results are, therefore, interpretative in nature and are considered to be a reasonably accurate presentation of existing conditions within the limitations of the methods employed. Services performed by **APOLLO GEOPHYSICS** under this agreement are conducted in a manner consistent with, but no less than, that level of care skill ordinarily exercised by members of the profession currently practicing under similar conditions. We cannot guarantee the accuracy or correctness of any interpretation, and we shall not be liable or responsible for any loss, cost, damages or expenses incurred or sustained by the Client resulting from any interpretation made by any of our officers, agents or employees. No other warranty, expressed or implied, is made. **APOLLO GEOPHYSICS** recognizes that subsurface conditions may vary from those encountered at the location where geophysical or other explorations are made. The data interpretations and recommendations made by **APOLLO GEOPHYSICS** are based solely on the information available to them at the time of performance; and **APOLLO GEOPHYSICS** shall not be responsible for the interpretation, by others, of the information developed.

We trust this will complete your requirements for this project and look forward to working with you on future projects. If you have any further questions or need further assistance, please don't hesitate to call.

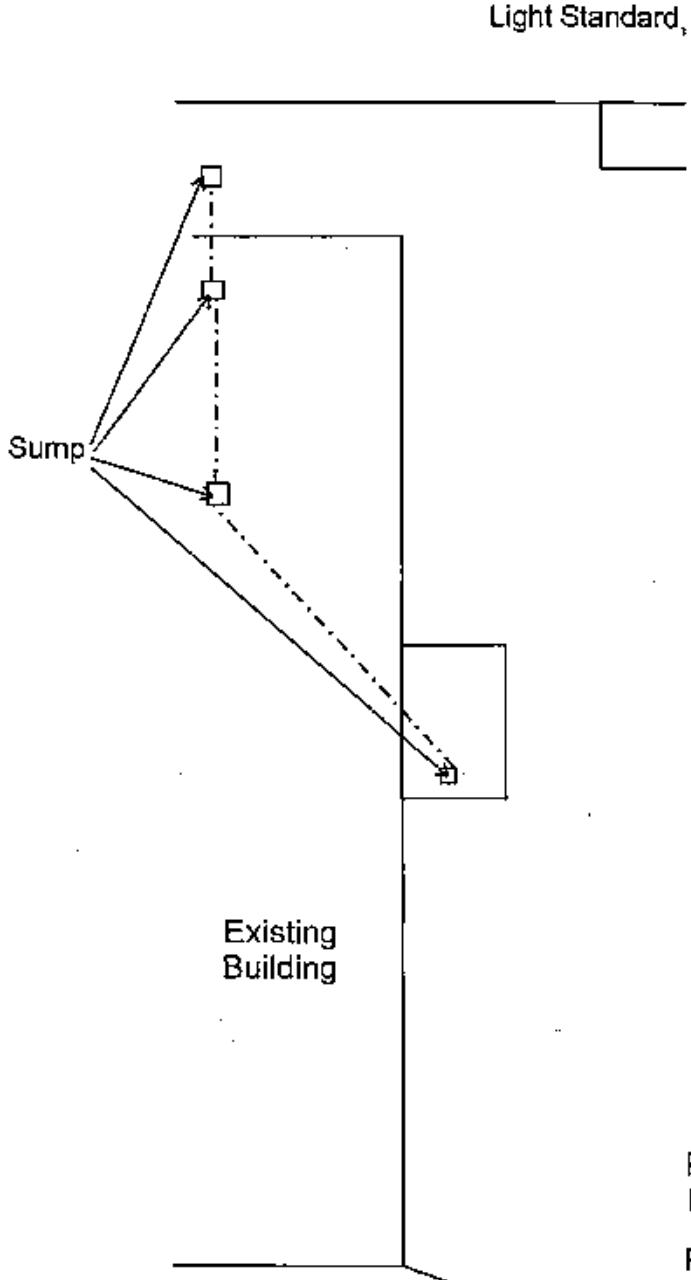
Sincerely,

APOLLO GEOPHYSICS CORPORATION

Lynn M. Ringstad
Lynn M. Ringstad
Project Geologist/Geophysicist

Matthew C. Ringstad
Project Geophysicist

Site Plan



LEGEND

PROXIMATE LOCATION OF SUSPECTED DERGROUND STORAGE TANK

PROXIMATE LOCATION OF SUSPECTED PTIC TANK

PROXIMATE LOCATION OF EM/GPR ANOMALY

PROXIMATE LOCATION OF POTENTIAL PIPE

0 30 60

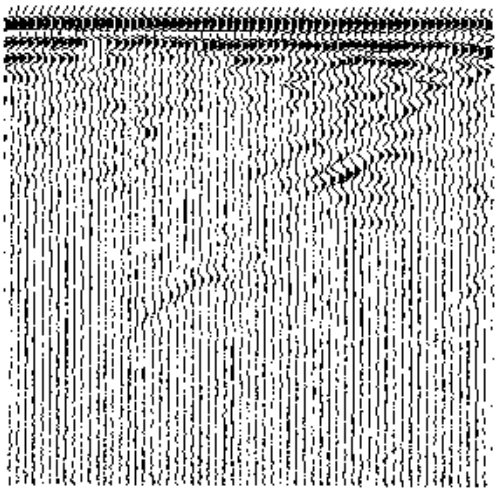
Approximate Scale 1" = 30'

Note: Site Plan created from measurements made in the fi

UST Locate - Federal Way Site Federal Way, Washington	FIGURE 1
FILE NO. 00.347	DATE October 2000

Geophysical\2000 Project Reports & Data\00.347\00.347sp.cdr

UST Locate - GPR Imagery - Target #1



top of anomaly

limits of anomaly

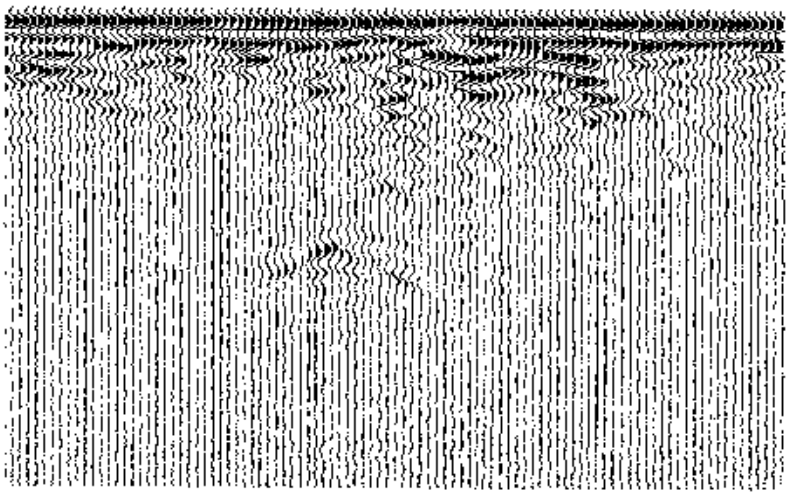
0 4 8

Approximate Scale 1" = 4'

NOTE: The normal relationship between radar time and actual depth for the Northwest Region is approximately 4 to 4.5 nanoseconds per foot. It should be noted, that this relationship holds true in a general sense. Variations of water content, silt content and other factors, such as the presence of concrete flooring, may also change this relationship.

APOLLO GEOPHYSICS CORPORATION ENGINEERING, GEOLOGY, ENVIRONMENTAL CONSTRUCTION & MINING	UST Locate - Federal Way Site Federal Way, Washington	FIGURE 2
	FILE NO. 00.347	DATE October 2000

UST Locate - GPR Imagery - Target #1



top of anomaly

limits of anomaly

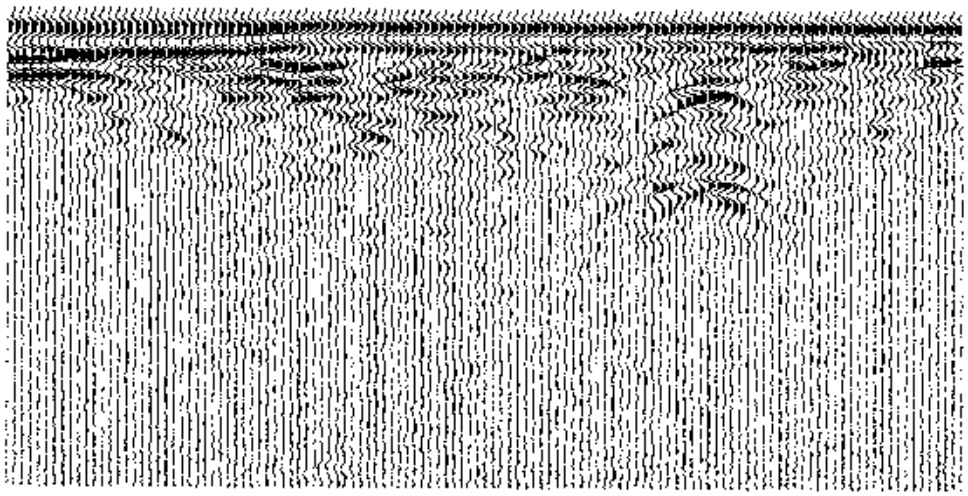
0 4 8

Approximate Scale 1" = 4'

NOTE: The normal relationship between radar time and actual depth for the Northwest Region is approximately 4 to 4.5 nanoseconds per foot. It should be noted, that this relationship holds true in a general sense. Variations of water content, silt content and other factors, such as the presence of concrete flooring, may also change this relationship.

APOLLO GEOPHYSICS CORPORATION ENGINEERING, GEOLOGY, ENVIRONMENTAL CONSTRUCTION & MINING	UST Locate - Federal Way Site Federal Way, Washington	FIGURE 3
	FILE NO. 00.347	DATE October 2000

UST Locate - GPR Imagery - Target #2



top of suspected septic tank

limits of suspected septic tank

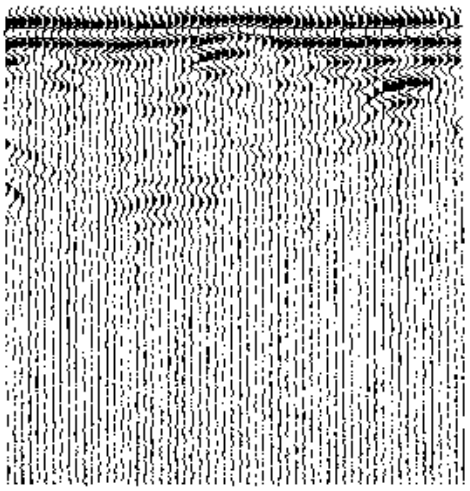
0 4 8

Approximate Scale 1" = 4'

NOTE: The normal relationship between radar time and actual depth for the Northwest Region is approximately 4 to 4.5 nanoseconds per foot. It should be noted, that this relationship holds true in a general sense. Variations of water content, silt content and other factors, such as the presence of concrete flooring, may also change this relationship.

APOLLO GEOPHYSICS CORPORATION ENGINEERING, GEOLOGY, ENVIRONMENTAL CONSTRUCTION & MINING	UST Locate - Federal Way Site Federal Way, Washington	FIGURE 4
	FILE NO. 00.347	DATE October 2000

UST Locate - GPR Imagery - Target #3



top of
suspected UST

limits of
suspected UST

0 4 8

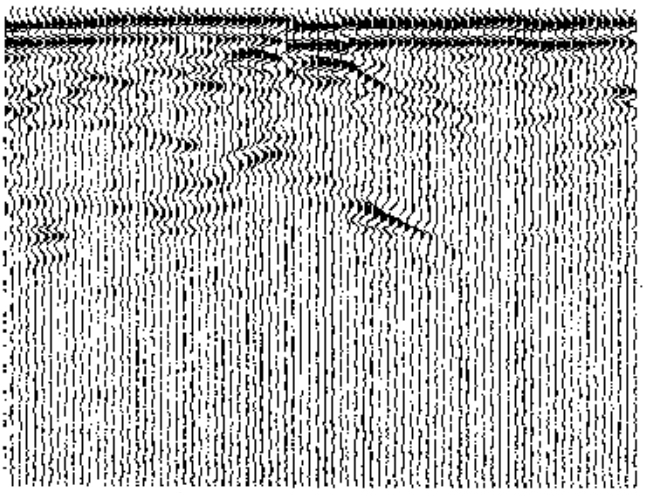
Approximate Scale 1" = 4'

NOTE: The normal relationship between radar time and actual depth for the Northwest Region is approximately 4 to 4.5 nanoseconds per foot. It should be noted, that this relationship holds true in a general sense. Variations of water content, silt content and other factors, such as the presence of concrete flooring, may also change this relationship.

APOLLO GEOPHYSICS CORPORATION
ENGINEERING, GEOLOGY, ENVIRONMENTAL
CONSTRUCTION & MINING

UST Locate - Federal Way Site Federal Way, Washington	FIGURE 5
FILE NO. 00.347	DATE October 2000

UST Locate - GPR Imagery - Target #3



top of
suspected UST

limits of
suspected UST

0 4 8

Approximate Scale 1" = 4'

NOTE: The normal relationship between radar time and actual depth for the Northwest Region is approximately 4 to 4.5 nanoseconds per foot. It should be noted, that this relationship holds true in a general sense. Variations of water content, silt content and other factors, such as the presence of concrete flooring, may also change this relationship.

APOLLO GEOPHYSICS CORPORATION ENGINEERING, GEOLOGY, ENVIRONMENTAL CONSTRUCTION & MINING	UST Locate - Federal Way Site Federal Way, Washington	FIGURE 6
	FILE NO. 00.347	DATE October 2000

Appendix B

APPENDIX B

LABORATORY ANALYTICAL RESULTS

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES NORTHWEST, INC.

800 Sleater-Kinney SE, PMB #262
Lacey, Washington 98503-1127

Mobile Environmental Laboratories
Environmental Sampling Services

Telephone: 360-459-4670
Fax: 360-459-3432

October 17, 2000

Mark Watts
ATC Associates
6347 Seaview Ave. NW
Seattle, WA 98107

Dear Mr. Watts:

Please find enclosed the analytical data report for the Ruth Evans Trust Project in Federal Way, Washington. Soil samples were analyzed for Diesel and Oil by NWTPH-Dx/Dx Extended, Gasoline by NWTPH-Gx, Specific Halogenated Hydrocarbons and BTEX by Method 8021B, and MTCA 5 Metals by Method 7000 series on October 4 – 6, 2000.

The results of these analyses are summarized in the attached tables. All soil values are reported on a dry weight basis. Applicable detection limits and QA/QC data are included. An invoice for this analytical work is also enclosed.

TEG Northwest appreciates the opportunity to have provided analytical services to ATC Associates for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Michael A. Korosec
President

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES NORTHWEST, INC.

RUTH EVANS TRUST PROJECT
Federal Way, Washington
ATC Associates
Client Project #76.17833.0901

Specific Halogenated and Aromatic Hydrocarbons (EPA 8021B) in Soil

Sample Description		Method Blank	B2 (15.5-16)	B4 (7.5-8.0)	B5 (10-10.5)	B6 (4.5-5)	B7 (7.5-8)
Date Sampled		10/2/00	10/2/00	10/2/00	10/2/00	10/2/00	10/2/00
Date Analyzed		10/5/00	10/5/00	10/5/00	10/5/00	10/5/00	10/5/00
	MDL (mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Vinyl chloride	0.25	nd	nd	nd	nd	nd	nd
Benzene	0.05	nd	nd	nd	nd	nd	nd
Toluene	0.05	nd	nd	nd	nd	nd	nd
Ethylbenzene	0.05	nd	nd	nd	nd	nd	nd
Total Xylenes	0.05	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	0.05	nd	nd	nd	nd	nd	nd
Methylene chloride	0.05	nd	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	0.05	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	0.05	nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	0.05	nd	nd	nd	nd	nd	nd
Chloroform	0.05	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA)	0.05	nd	nd	nd	nd	nd	nd
Carbon tetrachloride	0.05	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane	0.05	nd	nd	nd	nd	nd	nd
Trichloroethene (TCE)	0.05	nd	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	0.05	nd	nd	nd	nd	nd	nd
Tetrachloroethene (PCE)	0.05	nd	nd	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	0.05	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	0.05	nd	nd	nd	nd	nd	nd
Surrogate Recovery (%)		110	104	67	66	125	113

"nd" Indicates not detected at listed detection limit.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Chlorobenzene): 65%- 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES NORTHWEST, INC.

RUTH EVANS TRUST PROJECT
Federal Way, Washington
ATC Associates
Client Project #76.17833.0901

QA/QC Data - EPA 8021B Analyses

Sample Description: B2 (8.5-9)							
	Matrix Spike			Matrix Spike Duplicate			RPD
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	(%)
Benzene	1.00	1.13	113	1.00	1.17	117	3.48
Toluene	1.00	0.97	97	1.00	1.06	106	8.87
1,1-Dichloroethene	1.00	1.04	104	1.00	1.13	113	8.29
Trichloroethene (TCE)	1.00	0.93	93	1.00	1.08	108	14.9
Surrogate Spike			118			127	

	Laboratory Control Sample		
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)
Benzene	1.00	1.19	119
Toluene	1.00	1.13	113
1,1-Dichloroethene	1.00	1.14	114
Trichloroethene (TCE)	1.00	0.98	98
Surrogate Spike			127

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 80%-120%
ACCEPTABLE RPD IS 20%

ANALYSES PERFORMED BY: Sherry Chilcutt

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES NORTHWEST, INC.

RUTH EVANS TRUST PROJECT
Federal Way, Washington
ATC Associates
Client Project #76.17833.0901

Specific Halogenated and Aromatic Hydrocarbons (EPA 8021B) in Soil

Sample Description		B10 (3.5-4)	B10 (3.5-4) Dup	B2 (8.5-9)
Date Sampled		10/2/00	10/2/00	10/2/00
Date Analyzed		10/5/00	10/5/00	10/5/00
	MDL (mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Vinyl chloride	0.25	nd	nd	nd
Benzene	0.05	nd	nd	nd
Toluene	0.05	nd	nd	nd
Ethylbenzene	0.05	nd	nd	nd
Total Xylenes	0.05	nd	nd	nd
1,1-Dichloroethene	0.05	nd	nd	nd
Methylene chloride	0.05	nd	nd	nd
trans-1,2-Dichloroethene	0.05	nd	nd	nd
1,1-Dichloroethane	0.05	nd	nd	nd
cis-1,2-Dichloroethene	0.05	nd	nd	nd
Chloroform	0.05	nd	nd	nd
1,1,1-Trichloroethane (TCA)	0.05	nd	nd	nd
Carbon tetrachloride	0.05	nd	nd	nd
1,2-Dichloroethane	0.05	nd	nd	nd
Trichloroethene (TCE)	0.05	nd	nd	nd
1,1,2-Trichloroethane	0.05	nd	nd	nd
Tetrachloroethene (PCE)	0.05	nd	nd	nd
1,1,1,2-Tetrachloroethane	0.05	nd	nd	nd
1,1,2,2-Tetrachloroethane	0.05	nd	nd	nd
Surrogate Recovery (%)		123	87	119

"nd" Indicates not detected at listed detection limit.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Chlorobenzene): 65%- 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES NORTHWEST, INC.

RUTH EVANS TRUST PROJECT
Federal Way, Washington
ATC Associates
Client Project ##76.17833.0901

Analyses of Diesel & Oil (NWTPH-Dx/Dx Extended) in Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Diesel (mg/kg)	Oil (mg/kg)
Method Blank	10/4/00	87	nd	nd
B-1 (11.5-12)	10/4/00	90	nd	nd
B-2 (15.5-16)	10/4/00	115	nd	nd
B-4 (7.5-8)	10/4/00	107	nd	nd
B-5 (10-10.5)	10/4/00	92	nd	nd
B-6 (4.5-5)	10/4/00	107	nd	nd
B-7 (7.5-8)	10/4/00	106	nd	nd
B-8 (4-5)	10/4/00	88	nd	nd
B-9 (3-4)	10/4/00	85	nd	nd
B-10 (3.5-4)	10/4/00	100	nd	nd
B-2 (8.5-9)	10/4/00	90	nd	nd
B-2 (8.5-9) Dup.	10/4/00	110	nd	nd
Method Detection Limits			20	40

"nd" Indicates not detected at the listed detection limits.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 65% TO 135%

ANALYSES PERFORMED BY: Marilyn Farmer

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES NORTHWEST, INC.

RUTH EVANS TRUST PROJECT
Federal Way, Washington
ATC Associates
Client Project ##76.17833.0901

Analyses of Gasoline (NWTPH-Gx) in Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Gasoline (mg/kg)
Method Blank	10/4/00	114	nd
B-2 (15.5-16)	10/4/00	100	nd
B-3	10/4/00	112	nd
B-4	10/4/00	129	nd
B-5	10/4/00	74	nd
B-6	10/4/00	105	nd
B-7	10/4/00	95	nd
B-10	10/4/00	88	nd
B-2 (8.5-9)	10/4/00	83	nd
Method Detection Limits			10

"nd" Indicates not detected at the listed detection limits.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Chlorobenzene): 65% TO 135%

ANALYSES PERFORMED BY: Marilyn Fanner

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES NORTHWEST, INC.

RUTH EVANS TRUST PROJECT
Federal Way, Washington
ATC Associates
Client Project ##76.17833.0901

Analyses of Gasoline (NWTPH-Gx) & BTEX (EPA Method 8021B) in Soil

Sample Number	Date Analyzed	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Gasoline (mg/kg)	Surrogate Recovery (%)
Method Blank	10/4/00	nd	nd	nd	nd	nd	114
B-3	10/4/00	nd	nd	nd	nd	nd	112
Method Detection Limits		0.05	0.05	0.05	0.05	10	

"nd" Indicates not detected at the listed detection limits.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Chlorobenzene): 65% TO 135%

ANALYSES PERFORMED BY: Marilyn Farmer

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES NORTHWEST, INC.

Feseral Way, Washington
ATC Associates, Inc.
Client Project #RUTH EVANS TRUST

Heavy Metals in Soil by EPA-7000 Series

Sample Number	Date Analyzed	Lead (Pb) EPA 7420 (mg/kg)
Method Blank	10/6/00	nd
B8 (4-5)	10/6/00	nd
B9 (3-4)	10/6/00	nd
B10 (3.5-4)	10/6/00	7.9
Method Detection Limits		5

"nd" Indicates not detected at listed detection limits.

ANALYSES PERFORMED BY: Tim McCall

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES NORTHWEST, INC.

Feseral Way, Washington
ATC Associates, Inc.
Client Project #RUTH EVANS TRUST

QA/QC Data - Total Metals EPA-7000 Series Analyses

Sample Number: 001002-1 (B5 10-10.5)

	Matrix Spike			Matrix Spike Duplicate			RPD
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	(%)
Lead	250	195	78	250	217	87	10.68

	Laboratory Control Sample		
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)
Lead	250	214	86

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%
ACCEPTABLE RPD IS 20%

ANALYSES PERFORMED BY: Tim McCall
DATA REVIEWED BY: Sherry Chilcutt

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES NORTHWEST, INC.

Feseral Way, Washington
ATC Associates, Inc.
Client Project #RUTH EVANS TRUST

Heavy Metals in Soil by EPA-7000 Series

Sample Number	Date Analyzed	Lead (Pb) EPA 7420 (mg/kg)	Cadmium (Cd) EPA 7130 (mg/kg)	Chromium (Cr) EPA 7190 (mg/kg)	Arsenic (As) EPA 7061 (mg/kg)	Mercury (Hg) EPA 7471 (mg/kg)
Method Blank	10/6/00	nd	nd	nd	nd	nd
B2 (8.5-9)	10/6/00	nd	nd	nd	nd	nd
B2 (8.5-9) Dup.	10/6/00	nd	nd	nd	nd	nd
B2 (15.5-16)	10/6/00	nd	nd	nd	nd	nd
B4 (7.5-8)	10/6/00	nd	nd	21	nd	nd
B5 (10-10.5)	10/6/00	140	nd	nd	nd	nd
B6 (4.5-5)	10/6/00	nd	nd	nd	nd	nd
B7 (7.5-8)	10/6/00	nd	nd	nd	nd	nd
B10 (3.5-4)	10/6/00	nd	nd	21	nd	nd
Method Detection Limits		5	1	20	5	0.5

"nd" Indicates not detected at listed detection limits.

ANALYSES PERFORMED BY: Tim McCall

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES NORTHWEST, INC.

Feseral Way, Washington
ATC Associates, Inc.
Client Project #RUTH EVANS TRUST

QA/QC Data - Total Metals EPA-7000 Series Analyses

Sample Number: B5 (10-10.5)

	Matrix Spike			Matrix Spike Duplicate			RPD
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	(%)
Lead	250	195	78	250	217	87	10.68
Cadmium	25	26	104	25	25	100	3.92
Chromium	250	243	97	250	243	97	0.00
Arsenic	63	69	110	63	70	111	1.44

	Laboratory Control Sample		
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)
Lead	250	214	86
Cadmium	25	23	92
Chromium	250	231	92
Arsenic	63	73	116

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%
ACCEPTABLE RPD IS 20%

ANALYSES PERFORMED BY: Tim McCall

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES

CHAIN-OF-CUSTODY RECORD

CLIENT: ATC Associates

ADDRESS: 6347 Seaview Ave. NW, Seattle 98107

PHONE: 206-781-1449 FAX: 206-781-1543

CLIENT PROJECT #: 21-01733.0101 PROJECT MANAGER: Mark Watts

DATE: 10/2/00 PAGE 1 OF

PROJECT NAME: Ruth Evans Trust

LOCATION: Federal Way, WA

COLLECTOR: Mark Watts DATE OF COLLECTION 10/2

Sample Number	Depth	Time	Sample Type	Container Type	VOA 8010/8021B	VOA 8021B BTEX only	VOA 8260	SEMI VOL 8270	TPH - HCID	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (d & o)	PAH 8100	PCBs 8082	Pesticides 8081	TOTAL LEAD	pH	NOTES	Total Number of Containers	Laboratory Note Number
1. B-1 (5.5-12)	11.5	0957	Soil	4 oz							✓							see	1	
2. B-2 (5.5-12)	11.5	0953	"	"	✓	✓		✓		✓	✓						✓	(hold 8270)	1	
3. B-3 (11.5-12)	11.5	1020	"	"		✓			✓										1	
4. B-4 (11.5-12)	11.5	1105	"	"	✓	✓		✓	✓		✓						✓		1	
5. B-5 (10-12)	10	1130	"	"	✓	✓		✓	✓		✓						✓		1	
6. B-6 (2-4)	2.5	1155	"	"	✓	✓		✓	✓		✓						✓		1	
7. B-7 (2.5-4)	2.5	1315	"	"	✓	✓		✓	✓		✓						✓		1	
8. B-8 (9)	9	1339	"	"							✓				✓				2	
9. B-9 (3-4)	3	1350	"	"							✓				✓				2	
10. B-10 (2.5-4)	2.5	1400	"	"	✓	✓		✓	✓		✓				✓		✓	see	1	
11. B-11 (9.5)	9.5	0945	"	"	✓	✓		✓	✓		✓						✓	(hold 8270)	1	
12.																				
13.																				
14.																				
15.																				
16.																				
17.																				
18.																				

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
Mark Watts	10/2/00 1445		
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	
CHAIN OF CUSTODY SEALS Y/N/NA	
SEALS INTACT? Y/N/NA	
RECEIVED GOOD COND./COLD	
NOTES:	

LABORATORY NOTES:

Turn Around Time:

APPENDIX C

BORING LOGS AND FIELD PROCEDURES

ATC Associates Inc.

BORING LOG

BORING NO: B-1

PROJECT NO: 76.17883.0901

PROJECT NAME: Ruth Fygne Trust CLIENT: UBOC

PROJECT LOCATION: Federal Way, Washington DRILLING CONTRACTOR: TEG Northwest

DRILLING MTHD: Strateprobe SAMPLE MTHD: 2" Macro Core

DATE STARTED: Oct. 2, 2000 DATE FINISHED: Oct. 2, 2000 DRILLER: Eric Nassau INSPECTOR: Mark Watts

SURFACE ELEVATION: NA

DEPTH (FT.)	SAMPLE	SPT BLOWS PER 6"	REC (%)	PID (ppm)	PROFILE	LITHOLOGIC DESCRIPTION	REMARKS
0.0						Asphalt	
	1		100	0		SM: Silty sand Dry brown loose silty sand with gravel, cobbles - non-native fill	
							B-1 (3.5-4.0)
5.0	2		10	0			Becomes moist at 5 ft bgs
							B-1 (7.5-8.0)
	3		100	0			
10.0							B-1 (10.0-10.5)
	4		100	0			B-1 (11.5-12.0) Refusal at 12.0 ft bgs
15.0							
20.0							
25.0							
30.0							

BOTTOM OF TEST BORING: 12.00'

SPT = STANDARD PENETRATION TEST
REC = SAMPLE RECOVERY
ND = NON-DETECTABLE
FID = FLAME IONIZATION DETECTOR
PID = PHOTO-IONIZATION DETECTOR

ATC Associates Inc.

BORING LOG

BORING NO: B-2

PROJECT NO: 76.17883.0901

PROJECT NAME: Ruth Evans Trust CLIENT: USDC

PROJECT LOCATION: Federal Way, Washington DRILLING CONTRACTOR: TEG Northwest

DRILLING MTHD: Strataprobe SAMPLE MTHD: 2" Macro Core

DATE STARTED: Oct. 2, 2000 DATE FINISHED: Oct 2, 2000 DRILLER: Eric Nassau INSPECTOR: Mark Watts

SURFACE ELEVATION: NA

DEPTH (FT)	SAMPLE	SPT BLOWS PER 6"	REC (%)	PID (ppm)	PROFILE	LITHOLOGIC DESCRIPTION	REMARKS
0.0						Asphalt	
	1		100	0		SM: Silty sand Dry brown loose silty clayey, sand with gravel - non-native fill	
5.0							B-2 (4.5-5.0)
	2		10	0			Becomes moist at 6 ft. bgs
							B-2 (8.5-9.0)
10.0	3		0	0			
	4		100	0			Soil becomes wet at 15 Ft bgs B-2 (15.5-16.0) Refusal at 16.0 ft bgs
15.0							
20.0							
25.0							
30.0							

BOTTOM OF TEST BORING: 16.00'

SPT = STANDARD PENETRATION TEST
REC = SAMPLE RECOVERY
ND = NON-DETECTABLE
FID = FLAME IONIZATION DETECTOR
PID = PHOTO-IONIZATION DETECTOR

ATC Associates Inc.

BORING LOG

BORING NO: B-3

PROJECT NO: 76.17883.0901

PROJECT NAME: Ruth Evans Trust CLIENT: USDC

PROJECT LOCATION: Federal Way, Washington DRILLING CONTRACTOR: TEG Northwest

DRILLING MTHD: Strataprobe SAMPLE MTHD: 2" Macro Core

DATE STARTED: Oct. 2, 2000 DATE FINISHED: Oct. 2, 2000 DRILLER: Eric Nassau INSPECTOR: Mark Watts

DEPTH (FT)	SAMPLE	SPT BLOWS PER 6"	REC (%)	PID (ppm)	PROFILE	SURFACE ELEVATION: NA LITHOLOGIC DESCRIPTION	REMARKS
0.0						Asphalt	
	1		50	0		SM: Silty sand Dry brown loose silty clayey, sand with gravel - non-native Fill	
5.0	2		50	0			B-3 (4.5-5.0)
							B-3 (8.5-9.0)
10.0	3		70	2.0			B-3 (11.5-12.0) Dark oil-layer - 1 inch thick
	4		50	0			Concrete debris between 13 to 14 Ft. bgs B-3 (13.0-14.0) Clay lens between 14 to 15 Ft. bgs
15.0							Refusal at 15.0 ft bgs
20.0							
25.0							
30.0							

BOTTOM OF TEST BORING: 15.00'

SPT = STANDARD PENETRATION TEST
REC = SAMPLE RECOVERY
ND = NON-DETECTABLE
FID = FLAME IONIZATION DETECTOR
PID = PHOTO-IONIZATION DETECTOR

ATC Associates Inc.

BORING LOG

BORING NO: B-4

PROJECT NO: 76.17883.0901

PROJECT NAME: Ruth Evans Trust CLIENT: USOC

PROJECT LOCATION: Federal Way, Washington DRILLING CONTRACTOR: TEG Northwest

DRILLING MTHD: Strateprobe SAMPLE MTHD: 2" Macro Core

DATE STARTED: Oct. 2, 2000 DATE FINISHED: Oct. 2, 2000 DRILLER: Eric Naeegy INSPECTOR: Mark Watts

SURFACE ELEVATION: NA

DEPTH (FT)	SAMPLE #	SPT BLOWS PER 6"	REC (%)	PID (ppm)	PROFILE	LITHOLOGIC DESCRIPTION	REMARKS
0.0						Asphalt - gravel and cobbles	
	1		50	0		SM: Silty sand Dry brown loose silty clayey, sand with gravel - non-native fill	B-4 (3.5-4.0)
5.0							Clay lens at 4.5 Ft bgs
	2		50	0			Becomes moist 7 ft bgs B-4 (7.5-8.0)
	3		60	0			B-4 (9.5-10.0) Refusal at 10.0 ft bgs
10.0							
15.0							
20.0							
25.0							
30.0							

BOTTOM OF TEST BORING 10.00'

SPT = STANDARD PENETRATION TEST
REC = SAMPLE RECOVERY
ND = NON-DETECTABLE
FID = FLAME IONIZATION DETECTOR
PID = PHOTO-IONIZATION DETECTOR

ATC Associates Inc.

BORING LOG

BORING NO: B-5
PROJECT NO: 76.17883.0901

PROJECT NAME: Ruth Evans Trust
CLIENT: UBDC
PROJECT LOCATION: Federal Way, Washington
DRILLING CONTRACTOR: TEG Northwest
DRILLING MTHD: Strataprobe
SAMPLE MTHD: 2" Macro Core
DATE STARTED: Oct. 2, 2000 DATE FINISHED: Oct. 2, 2000 DRILLER: Eric Noesen INSPECTOR: Mark Watts

DEPTH (FT)	SCALE	SPT BLOWS PER 6"	REC (%)	PID (ppm)	PROFILE	SURFACE ELEVATION: NA LITHOLOGIC DESCRIPTION	REMARKS
0.0						Asphalt	
	1		50	0		SM: Silty sand Moist brown-olive loose silty sand with gravel and cobbles non-native fill	
5.0	2		60	0			
							B-5 (7.5-8.0)
	3		50	0			
10.0							B-5 (10.0-10.5) Refusal at 10.5 ft bgs
15.0							
20.0							
25.0							
30.0							

BOTTOM OF TEST BORING: 10.50'

SPT = STANDARD PENETRATION TEST
REC = SAMPLE RECOVERY
ND = NON-DETECTABLE
FID = FLAME IONIZATION DETECTOR
PID = PHOTO-IONIZATION DETECTOR

ATC Associates Inc.

BORING LOG

BORING NO: B-6
PROJECT NO: 76.17883.0901

PROJECT NAME: Ruth Evans Trust
CLIENT: UBDC
PROJECT LOCATION: Federal Way, Washington
DRILLING CONTRACTOR: TEG Northwest
DRILLING MTHD: Strataprobe
SAMPLE MTHD: 2" Macro Core
DATE STARTED: Oct. 2, 2000 DATE FINISHED: Oct. 2, 2000 DRILLER: Eric Noseau INSPECTOR: Mark Watts

SURFACE ELEVATION: NA

DEPTH (FT)	SAMPLE	SPT BLOWS PER 6"	REC (%)	PID (ppm)	WELL DIAGRAM	LITHOLOGIC DESCRIPTION	REMARKS
0.0						Concrete	
	1		100	0		SM: Silty sand Moist brown-olive loose silty course sand with gravel and cobbles - non-native fill	
5.0	2		80	0			B-6 (4.5-5.0)
							B-6 (7.5-8.0)
							Refusal at 8.0 Ft bgs
10.0							
15.0							
20.0							
25.0							
30.0							

BOTTOM OF TEST BORING: 8.00'

SPT = STANDARD PENETRATION TEST
REC = SAMPLE RECOVERY
ND = NON-DETECTABLE
FID = FLAME IONIZATION DETECTOR
PID = PHOTO-IONIZATION DETECTOR

ATC Associates Inc.

BORING LOG

BORING NO: B-7

PROJECT NO: 76.17883.0901

PROJECT NAME: Ruth Evans Trust CLIENT: UBOC

PROJECT LOCATION: Federal Way, Washington DRILLING CONTRACTOR: TEG Northwest

DRILLING MTHD: Stratoprobe SAMPLE MTHD: 2" Macro Core

DATE STARTED Oct. 2, 2000 DATE FINISHED: Oct 2, 2000 DRILLER: Eric Nassau INSPECTOR: Mark Watts

SURFACE ELEVATION: NA

DEPTH (FT)	SAMPLE	SPT BLOWS PER 6"	REC (%)	PID (ppm)	PROFILE	LITHOLOGIC DESCRIPTION	REMARKS
0.0						Concrete	
	1		40	0		SM: Silty sand Dry brown loose silty course sand with gravel and cobbles - non-native fill Becomes moist at 4 ft bgs	
5.0	2		40	0			B-7 (4.5-5.0)
	3		40	0			B-7 (7.5-8.0)
10.0							B-7 (9.5-10.0)
15.0							
20.0							
25.0							
30.0							

BOTTOM OF TEST BORING- 10.00'

SPT = STANDARD PENETRATION TEST
REC = SAMPLE RECOVERY
ND = NON-DETECTABLE
FID = FLAME IONIZATION DETECTOR
PID = PHOTO-IONIZATION DETECTOR

ATC Associates Inc.

BORING LOG

BORING NO: B-8

PROJECT NO: 76.17883.0901

PROJECT NAME: Ruth Evans Trust CLIENT: UBOC

PROJECT LOCATION: Federal Way, Washington DRILLING CONTRACTOR: TEG Northwest

DRILLING MTHD: Stratoprobe SAMPLE MTHD: 2" Macro Core

DATE STARTED: Oct. 2, 2000 DATE FINISHED: Oct. 2, 2000 DRILLER: Eric Nassau INSPECTOR: Mark Watts

SURFACE ELEVATION: NA

DEPTH (FT)	SAMPLE	SPT BLOWS PER 6"	REC (%)	PID (ppm)	PROFILE	LITHOLOGIC DESCRIPTION	REMARKS
0.0						Concrete	
	1		100	0		SM: Silty sand Dry brown loose silty sand with gravel and cobbles - non-native fill	B-8 (4.5-5.0)
5.0							
10.0							
15.0							
20.0							
25.0							
30.0							

BOTTOM OF TEST BORING: 5.0C'

SPT = STANDARD PENETRATION TEST
REC = SAMPLE RECOVERY
ND = NON-DETECTABLE
FID = FLAME IONIZATION DETECTOR
PID = PHOTO-IONIZATION DETECTOR

ATC Associates Inc.

BORING LOG

BORING NO: B-9

PROJECT NO: 76.17883.0901

PROJECT NAME: Ruth Evans Trust CLIENT: UBOC

PROJECT LOCATION: Federal Way, Washington DRILLING CONTRACTOR: TEG Northwest

DRILLING MTHD: Stratoprobe SAMPLE MTHD: 2" Macro Core

DATE STARTED: Oct. 2, 2000 DATE FINISHED: Oct. 2, 2000 DRILLER: Eric Nassau INSPECTOR: Mark Watts

SURFACE ELEVATION: NA

DEPTH (FT)	SAMPLE	SPT BLOWS PER 6"	REC (%)	PID (ppm)	PROFILE	LITHOLOGIC DESCRIPTION	REMARKS
0.0						Concrete	
	1		100	0		SM: Silty sand Dry brown loose silty sand with gravel and cobbles - non-native Fill	B-9 (3.5-4.0) Refusal at 4 Ft bgs
5.0							
10.0							
15.0							
20.0							
25.0							
30.0							

BOTTOM OF TEST BORING: 4.00'

SPT = STANDARD PENETRATION TEST
REC = SAMPLE RECOVERY
ND = NON-DETECTABLE
FID = FLAME IONIZATION DETECTOR
PID = PHOTO-IONIZATION DETECTOR

ATC Associates Inc.

BORING LOG

BORING NO: B-10

PROJECT NO: 76.17883.0901

PROJECT NAME: Ruth Evans Trust CLIENT: USDOT

PROJECT LOCATION: Federal Way, Washington DRILLING CONTRACTOR: TEG Northwest

DRILLING MTHD: Strataprobe SAMPLE MTHD: 2" Macro Core

DATE STARTED: Oct 2, 2000 DATE FINISHED: Oct. 2, 2000 DRILLER: Eric Nassau INSPECTOR: Mark Watte

SURFACE ELEVATION: NA

DEPTH (FT)	SAMPLE	SPT BLOWS PER 6"	REC (%)	PID (ppm)	PROFILE	LITHOLOGIC DESCRIPTION	REMARKS
0.0						Concrete	
	1		100	0		SM: Silty sand Dry brown loose silty sand with gravel and cobbles - non-native fill	B-10 (3.5-4.0) Refusal at 4 Ft bgs
5.0							
10.0							
15.0							
20.0							
25.0							
30.0							

BOTTOM OF TEST BORING: 4.00'

SPT = STANDARD PENETRATION TEST
REC = SAMPLE RECOVERY
ND = NON-DETECTABLE
FID = FLAME IONIZATION DETECTOR
PID = PHOTO-IONIZATION DETECTOR

APPENDIX C

FIELD PROCEDURES AND BORING LOGS

SOIL SAMPLING PROCEDURES

1. Soil samples were collected using a direct-push Strataprobe rig equipped with a split-spoon sampler and acetate sample tubes.

2. Soil samples were collected on a generally continuous basis, although in selected locations the retrieved sample was less than 100%.

3. Each sampled interval was approximately 4-feet long (e.g., from 0 to 4 feet bgs for the "4-foot depth interval."

4. Soil from each sampled interval was removed from the sampler by nitrile-glove hand and placed in a 4-ounce soil sample jar. A new glove was used for each sample interval. The jar was overfilled to minimize the likelihood of loss of volatile compounds. The jar was then capped with a screw-type lid. The sample jars were supplied by the laboratory. The remainder of the soil was placed in a ziploc-type bag that was then "sealed", the sample disagreggated, and then set aside for approximately 15 minutes. A

5. PID was calibrated to 100 ppm isobutane was then used to "sniff" the bagged sample.

6. Lithologic descriptions were recorded on boring logs along with observations regarding staining or odors and the PID readings.

7. The sampler was washed between sampling locations, using a bristle brush, with a detergent solution; this was followed by two tapwater rinses and a deionized-water rinse. The sampler was dried by air or with a paper towel prior to being used for sampling.

8. The sample jars were placed in an ice chest cooled using ice and/or blue ice to a temperature of approximately 40 degrees Fahrenheit.

9. The samples collected for chemical analyses were delivered to the laboratory within 24 hours of collection. Sample handling, transport, and delivery to the laboratory were documented using chain-of-custody procedures, including the use of chain-of-custody.

10. Following completion of the borings, they were backfilled with hydrated bentonite.

APPENDIX D

LIKELIHOOD STATEMENTS

APPENDIX D

LIKELIHOOD STATEMENTS

Many statements have been made in this report regarding the likelihood of the occurrence of certain adverse events. The term "likelihood," as used here, pertains to chances of a match between the prediction for the event and its actual occurrence. Likelihood statements are based on the professional judgments of ATC Associates Inc. A prediction made for the occurrence of an event will either match the actual occurrence or not. Uncertainty about the natural processes, lack of adequate scientific understanding of the physical and chemical interactions at the site, and insufficient data and information about the specific site conditions usually preclude a perfect or 100 percent likelihood of match between predictions and actual occurrences. Therefore, where a perfect match is not possible, the likelihood statement assigns a measure for a "degree of belief" or a "betting score" for the match between the prediction for the event and the actual event outcome.

The likelihood statements can be made either qualitatively, expressed verbally, or quantitatively, expressed in percent ranges. The qualitative terms expressed verbally, however, can be approximately related to percent ranges. The following approximate percent ranges have been used by ATC Associates Inc. for the qualitative terms used in likelihood statements.

QUALITATIVE TERMS	APPROXIMATE PERCENT RANGE
Very Low	Less than 10%
Low	10% to 20%
Low to Moderate	20% to 40%
Moderate	40% to 60%
Moderate to High	60% to 80%
High	80% to 90%
Very High	More than 90%

The following is a typical likelihood statement and its interpretation.

Statement: Based on site conditions, data collected, and current regulatory guidelines delineating a hazardous waste, it is the judgment of ATC Associates Inc. that there is a low likelihood that hazardous waste from the landfill has migrated to the site.

Interpretation of Statement: The statement reflects an extrapolation of a discrete data set to the entire site. This statement is made within the context of regulatory guidelines delineating hazardous wastes in effect at the time the statement is made. It is important to note that these guidelines periodically change; consequently, the judgment made corresponds to the guidelines cited in the report.

An extrapolation made from a discrete data set precludes making a statement with certainty that the event has occurred (i.e., one cannot really say with 100 percent certainty that hazardous waste from the landfill has not migrated to the site). Therefore, a professional judgment is made for the event that is expressed in terms of the likelihood (less than 100 percent) that the event either has or has not occurred.

The statement given above renders a professional judgment that there is a low likelihood that the event has occurred. The above statement could also have been expressed as "there is a high likelihood that hazardous waste from the landfill has not migrated to the site."

ASSOCIATES INC.

UNDERGROUND STORAGE TANK SITE ASSESSMENT AT THE RUTH EVANS TRUST SITE 29805 PACIFIC HIGHWAY SOUTH FEDERAL WAY, WASHINGTON 98003

PROJECT NO. 76.17883.0902
FEBRUARY 16, 2001

RECEIVED
MAR 0 8 2001
DEPT. OF ECOLOGY

UNDERGROUND STORAGE TANK
SITE ASSESSMENT
AT THE
RUTH EVANS TRUST SITE
29805 PACIFIC HIGHWAY SOUTH
FEDERAL WAY, WASHINGTON 98003

PROJECT NO. 76.17883.0902
FEBRUARY 16, 2001

Mark Watts
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   - Emerald Services Cleaning and Disposal Certification
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UNDERGROUND STORAGE TANK
SITE ASSESSMENT
AT THE
RUTH EVANS TRUST SITE
29805 PACIFIC HIGHWAY SOUTH
FEDERAL WAY, WASHINGTON 98003

1.0 INTRODUCTION

A former gasoline service station and restaurant were present at the site based on the results of a Phase I Environmental Site Assessment (ESA) conducted by Kleinfelder, Inc. (dated June 13, 2000). The former gasoline service station was situated in the northeast portion of the site. Previously, two underground storage tanks (USTs) were removed by others in 1992 and 1993. UST Closure Reports for these USTs were included in the Kleinfelder, Inc. (2000) report. The ESA indicated that other USTs could be present at the site.

A geophysical survey was conducted at the site under subcontract to ATC Associates Inc. (ATC) at the site and an anomaly was found in the eastern part of the site in approximately the location shown in Figure 2. The area in the vicinity of this anomaly was excavated and an UST was found. This UST is designated in this report as T1. The results of this geophysical survey and excavation were summarized in a report prepared by ATC (2001).

At the request of Union Bank of California (UBOC), ATC has performed an Underground Storage Tank Site Assessment and oversaw the UST decommissioning at the Ruth Evans Trust site located at 29805 Pacific Highway South in Federal Way, Washington. This report summarizes the results of the assessment and decommissioning. State of Washington Department of Ecology (Ecology) and International Fire Code (IFC) registered site assessors and decommissioning supervisors, Ms. Donna Hewitt (IFCI# 1044716-26) and Mark Watts (IFCI# 92954), monitored the UST decommissioning. The contractor performing the UST decomissioning and related excavation activities was Emerald Services (Emerald). Emerald provided these services under subcontract to ATC.

2.0 SITE CONDITIONS

2.1 UST Locations

During the subsurface investigation conducted by ATC in October 2000, an UST (T-1) was discovered in the northeastern part of the site. The UST location is shown in Figure 2. As discussed in Section 3.1, during removal of UST T-1, two additional USTs (designated as USTs T2 and T3) were encountered and removed. The capacity of the each UST was estimated to be approximately 750 gallons (the contractor cited different capacities in the disposal paperwork; the capacities cited here are based on measured dimensions.

The USTs were located on the northeastern portion of the site approximately 50 feet south of the northern property boundary and 25 feet west of the eastern property boundary (the property line is assumed to be consistent with the fencing around the site perimeter). This location is approximately 150 feet north of the northeast corner of the existing building. During UST removal activites, a concrete foundation including walls and a concrete floor slab was uncovered. The USTs were located in the vicinity of the former gas station.

2.2 Buried Building Foundation Walls and Concrete Floor Slab

During removal of the three UST's, part of what appeared to be an old building foundation was discovered. It appears that the aboveground portion of the building was demolished and the demolition materials were placed in the basement portion of the building which was then filled in with concrete debris, trash and imported fill. Part of this basement portion was exposed as the concrete walls shown on Figure 3 and a concrete floor slab. Based on the number of tires and the amount of car parts found during soil removal activites it appears that this building was part of the former gasoline service station and possibly had an automobile repair facility.

2.3 Utilities and Stormwater Conduits

Utilities (water, telephone and electrical) are present in the immediate vicinity of the UST's along Pacific Highway South that borders the property and located approximately 25 feet to the east of the UST area.

Several buried pipes (metal conduits approximately 2 feet in diameter) were encountered at depths of approximately 14 to 17 feet bgs. These pipes were encountered approximately 60 feet west of the eastern property boundary and appeared to be stormwater conduits. The pipes had a north/south direction orientation where they were encoountered (Figure 3). Their exact configuration or why they were installed is unknown. During site exploration a portion of one of the drainage pipes was uncovered, unfortunately broken, but subsequently replaced by Emerald.

2.4 Geology

According to the *Geology of the Poverty Bay Quadrangle Washington Map USGS*, dated 1961, the soil underlying the site is designated "ground moraine deposits." This soil type consists mainly compacted unoxidized till. Soil conditions encountered during ATC's Phase II Site Investigation (ATC, 2001) consisted of brown, dry to moist silty sand with gravel and cobbles in the upper 13 feet. Below a depth of 13 feet below the ground surface (bgs) to the bottom of the borings at approximately 16 feet bgs was gray, silty, gravelly, medium to fine sands. In one of the borings (B-3), concrete was encountered at a depth of approximately 13 feet bgs. In ATC's judgment, all of the soils encountered were non-native fill material to a depth of 16 feet bgs based on the wood debris, concrete, and tires, and other materials that were found during the excavation at the site.

Soils surrounding the UST's consisted of a mixture of old fill, and construction debris most likely from the demolition of the former service station. Concrete, brick, tires, automobile trash, metal and an old septic tank and lines were visible and removed. Native soil (consisting of silty, gravelly sands) was encountered at approximately 16 feet bgs during UST and PCS removal activities.

According to the Kleinfelder ESA, the shallowest water-producting aquifer in the site vicinity belongs to Vashon recessional outwash unit, which consists of sand and gravel. Groundwater was encountered at approximately 45 feet bgs in a well located approximately 1.2 miles south of the site. Groundwater was reported to have a gradient (flow direction) toward the northwest. During excavation activities associated with the USTs decommissioning, a seasonal perched water zone was encountered. Depending on where in the excavation it was encountered, the depth appeared to be variable: between 14 and 16 feet bgs. This water zone was considered by ATC to be a seasonal perched water zone as discussed further in Section 3.5.

3.0 UST DECOMMISSIONING

3.1 USTs' Removal

On November 3, 2000, UST-T1 and UST-T2 were removed. The tops of USTs T1 and T2 were approximately seven feet below ground surface (bgs). Emerald Services, Inc evacuated residual product and inerted the UST's prior to removal. A representative from the Federal Way Fire Marshal's office issued a permit to removed the USTs. The UST's were then removed from the excavation. Upon inspection, several areas of corrosion were noted in UST

T2; however, no evidence of holes or leakage was observed. During removal of these USTs, part of a buried concrete wall on top of which was what appeared to be an old building foundation, was encountered north of the USTs. The buried concrete wall was oriented in an east-west direction and it extended to a depth of approximately 13 feet bgs.

On November 6, 2000, the third UST T3 was removed from the site. The top of the UST was approximately 10 feet bgs. Upon inspection, several holes and areas of corrosion were noted on T3. During removal operations obvious petroleum hydrocarbon-impacted soil (PCS) was noted under and on the east side of the UST T3. The PCS was excavated, segregated from non-PCS, and stockpiled. In additon, seasonal perched water was encountered at a depth of approximately 14 feet bgs and a concrete floor slab was encountered at the base of the buried concrete wall. The depth of this concrete floor slab, located on the north side of the buried concrete wall, was approximately 14 feet bgs. Trash, including car parts and tires,tire rims, concrete, brick, and burned wood, were also discovered in the excavated soil during this portion of the PCS removal operations.

All of the UST's were removed to Emerald Services facility to be cleaned. Upon final cleaning, the UST's were then cut up and recycled at Bloch Steel Industries of Seattle, Washington. The documentation for the transport of the USTs to Block Steel Industries is in Appendix A.

On December 14, 15, and 20, 2000, excavation of PCS continued and was completed to a depth of between 15 and 16 feet bgs. During these activities the concrete floor slab was found to have an area with a sludgelike material that is referred to here as DRO-impacted concrete (DRO is defined below in Section 3.2). The limits of the DRO-impacted concrete were evaluated with backhoe pits and the observed DRO-impacted concrete was removed from the excavation. Concrete floor slab without the DRO sludge was left in place. The DRO sludge was scraped off the concrete floor slab and disposed of with the PCS. The scraped concrete and excavated concrete debris that did not have the DRO sludge was removed from the site and disposed of at Rabanco-Roosevelt, Washington landfill. All PCS was removed from the excavation using a backhoe and stockpiled on-site prior to transport to TPS Technologies in Tacoma, WA under manifest.

3.2 Soil Sample Collection and Analysis

3.2.1 Soil Sample Collection Procedures

Field sampling was performed in general accordance with the Washington State Department of Ecology (Ecology) protocol as described in "Guidance for Site Checks and Site Assessments for Underground Storage Tanks" (Ecology Guidance Document). Soil samples were collected from the backhoe and placed directly into laboratory provided 4-ounce glass jars. Soil was collected by scooping the soil out of the backhoe with the sample jar. An ample amount of soil was placed in the jar and compacted to the degree that there was no observed headspace. Stockpile samples were collected in the same manner (without assistance of the backhoe). Some of the samples were collected directly from side walls in areas that were sufficiently excavated and considered safe for collection. The sample jar was secured with a screw lid and labeled with the sample ID number, the date, and the project number. Soil samples were placed on ice in a cooler and transported under chain-of-custody to TEG Northwest Laboratories, Inc. in Bellevue, Washington for analysis.

Soil samples collected were submitted to TEG. Analysis was conducted in general accordance with the methods described above in Section 3.2.

Soil samples were given identification numbers that differed in format depending on where the sample was collected and the date. There are some format inconsistencies in how the sample numbers were recorded between the identifiers that ATC used and those that were reported by the laboratory. For example the sample designated as 110600-S11 also may also be cited as S11 and S-11. These variations are all the same sample.

3.2.2 Laboratory Analyses

The Ecology Guidance Document provides a protocol where soil samples can be analyzed using a "screening" methodology. This screening method utilizes an analysis referred to as the NWTPH-HCID. It is used to assess whether a petroleum compound is present. If it is, then the sample can be analyzed for diesel- and oil-range organics (DRO) petroleum hydrocarbons (including kerosene/jet fuel, diesel/fuel oil, and heavy oil) using analytical method NWTPH-Dx, and gasoline-range organics (GRO including benzene, toluene, ethylbenzene, and xylenes (BTEX)) petroleum hydrocarbons (including mineral spirits/stoddard solvent and gasoline) using analytical method NWTPH-Gx. All of these methods are based on U.S. EPA Method No. 8015. In addition to these analyses, the sample with the highest GRO concentration (B12) was analyzed for RCRA metals and PCB's in general accordance with U.S. EPA Method Nos. 7000 series and 8082, respectively. The laboratory analytical results are summarized in Tables 1 through 3 and the laboratory reports are included in Appendix B.

3.2.3 USTs T1 and T2

During the removal of USTs T1 and T2 no evidence of PCS was observed that was considered related to these USTs. Five confirmation soil samples were collected from the UST T1 and T2 excavation to document the absence of PCS. This included two soil samples collected from the bottom of the excavation (samples BS-1 and BS-2). The analytical results from these five samples are summarized in Table 1. They showed no detectable concentrations of petroleum hydrocarbons. It is the judgment of ATC that there had been no release from these USTs.

Although no evidence of PCE was observed that was considered related to USTs T1 and T2, it was visually evident that soil in the western part of the UST T1 and T2 excavation (at the east side of UST T3) was impacted with petroleum hydrocarbons. The impacted soil was excavated, sampled (sample #Stock-6) and analysed. Based on laboratory data this stockpiled soil was considered to be impacted with DRO. An additional sample (#110600-CS3) of this stockpiled material was collected at a later date (November 6, 2000) and analyzed for diesel fuel. The sample contained DRO in the amount of 240 ppm. The results of these analyses are summarized in Table 2 and the additional removal and excavation of PCS is discussed below in Section 3.2.2. In ATC's judgment, this petroleum hydrocarbon impact is the result of a release from UST T3.

TABLE 1. SOIL SAMPLE AND ANALYTICAL DATA FROM UST T1 AND UST T2 EXCAVATION

Sample No.	Location	Depth (feet)	Pet. HC Conc. (mg/kg)
BS-1	Bottom sample below UST T2	10.5	ND
BS-2	Bottom sample below UST T1	10.5	ND
WSW-3	West sidewall, west of USTs' T1 and T2	8	ND
SSW-4	South sidewall, south of UST T1	8.5	ND
ESW-5	East side wall, east of USTs' T1 and T2	9	ND
B-3	Boring drilled previously in northeast part of USTs' excavation; analyzed sample collected above concrete with DRO sludge	11.5	ND
Method A Model Toxics Control Act (MTCA) Cleanup Level for Diesel Fuel			200

NOTES:
Pet. HC Conc. = Petroleum hydrocarbon concentration based on laboratory analysis by NWTPH-HCID with the exception of sample from boring B-3 which was analyzed by NWTPH-Gx.
ND = not detected; the detection limits were well below the current and proposed MTCA Method A cleanup levels
mg/kg = milligrams per kilogram which is equal to parts per million (ppm).
Depth is in feet below the ground surface (bgs).

3.2.4 UST T3

Four (4) soil samples were collected during the removal of UST T3 on November 6, 2000. Holes were noted in the UST and obvious PCS was noted underneath the UST and to the south and west of this UST. After laboratory analysis confirmed the presense of PCS (sample #110600-B12) additional overexcavation was conducted and test pits were excavated to evaluate the extent of the PCS and/or the sludgelike material on the concrete floor slab. This is discussed chronologically below.

On November 10, 2000 a sample (N-11) was collected along (what was at the time) the northern portion of the UST T3 excavation at approximately 11 feet bgs in visually stained soil. This sample was subsequently reported to have a heavy oil (DRO) concentration of 3,400 ppm (Table 2). On the same day test pit WTP-14 was excavated to the west of the UST excavation and a soil sample was collected to document the western extent of the PCS. No evidence of an impact by petroleum hydrocarbons was observed in test pit WTP-14 and the soil sample (WTP-14) was collected at 14 feet bgs and had no detectable petroleum hydrocarbons. This test pit served to document the western extent of the PCS.

On November 27, 2000 a sludgelike material was found on top of the concrete floor slab. This material had an observed thickness of up to 4 inches. A sample of the material (#112700-02) was analyzed and found to contain 480 ppm of heavy oil (DRO). Based on this analysis and the results of the analysis of sample N-11 (which was considered to be representative of the sludgelike material) this material is referred to here as DRO sludge.

On November 29, 2000 additional test pits and overexcavation were completed to evaluate the extent of the PCS, the sludge-impacted concrete floor slab and the extent of building foundation wall. One sample (#112900-TP1-13), collected at a depth of 13 ft bgs in test pit TP1 was reported to contain 800 ppm heavy oil. This was excavated near the western extent of the concrete floor slab and numerous bricks and trash were unearthed in this area as well as part of a chimney and what appeared to be a burn barrel.

Excavation activities continued on December 14 and 15, 2000. Additional soil samples were collected in the vicinity of #112900-TP1-13. Samples #121400-03 (at a depth of 16 feet bgs) and #121500-08 (at a depth of 15 feet bgs) were collected and analyzed using NWTPH-HCID. Sample #121500-08 had no detectable petroleum hydrocarbons. However, sample #121400-03 contained detectable petroleum hydrocarbons. Further analysis using NWTPH-Dx, showed that sample 121400-03 contained less than the Model Toxics Control Act (MTCA) Cleanup levels of 200 ppm for DRO (Table 3). Additional discussion of confirmation soil sampling and analysis is discussed below in Section 3.3.

On December 14 and 15, 2000 part of the the excavated PCS (including the DRO sludge which had been scraped off the concrete) and excavated concrete was stockpiled on site and part of it was transported to either TPS Technologies (DRO sludge and DRO-impacted soil) or to the Rabanco landfill (scraped concrete). On December 20th all remaining impacted stockpiled soil was removed from the site and transported to TPS Technologies. All PCS transport to TPS Technologies was conducted under manifest.

TABLE 2. SOIL SAMPLE AND ANALYTICAL DATA FROM UST T3 AND SITE EXPLORATION

Sample No.	Location	Depth (feet)	GRO	DRO (mg/kg)
110600-CS1	Composite sample of stockpiled soil	N/A	NA	ND
110600-CS2	Composite sample of stockpiled soil	N/A	NA	ND
110600-CS3	Composite sample of stockpiled soil	N/A	NA	**240 heavy oil**
110600-B12	Bottom sample below UST T3. This sample was also analyzed for RCRA metals and PCB's, none of which were detected.	12	**Gasoline – 100 mg/kg** B – ND T – ND E - 210 ug/kg Xylenes – 580 ug/kg	**3,500 heavy oil**
110600-S11	South sidewall sample at bottom of excavation, south of UST T3	11	ND BTEX - ND	ND
110600-S12	South sidewall sample at bottom of excavation, south of UST T3	12	GRO- ND BTEX ND	ND
110600-W11	West sidewall sample at bottom of excavation, southwest of UST T3	11	Gasoline – 8.2 mg/kg B – ND T – ND E - 120 ug/kg Xylenes – 120 ug/kg	**320 heavy oil**
WTP-14	Sample from west sidewall of test pit WTP-14 west of UST T3	14	NA	ND
N-11	North sidewall sample adjacent to concrete foundation	11	NA	**3,400 heavy oil**
EASTSTOCK	Sample from east stockpile	N/A	NA	ND
WESTSTOCK	Sample from west stockpile	N/A	NA	ND
Stock-6	Sample from PCS excavated from below east end of UST T3. NWTPH-HCID analysis followed by analysis of sample 110600-CS3 for DRO	N/A	NA	Heavy oil detected see sample 110600-CS3
112700-01	Sample of soil from below concrete with DRO sludge where sample 112700-02 was collected, north of USTs' area	13	NA	160 diesel/fuel oil
112700-02	DRO sludge on top of concrete floor slab north of USTs' area	12.5	NA	**480 heavy oil**
112900-TP1-13	Sample from test pit TP1, west of western edge of impacted concrete floor slab	13	NA	**800 heavy oil**
112900-TP2-4	Sample from test pit TP2, northwest of concrete floor slab	4	NA	ND
112900-TP2-13	Sample from test pit TP2, northwest of concrete floor slab	13	NA	ND

NOTES:
DRO = Diesel Range Organics (WDOE Method A cleanup level is 200 mg/kg).
GRO = Gasoline Range Organics (WDOE Method A cleanup level is 100 mg/kg).
BTEX = Benzene (B), toluene (T), ethylbenzene (E), xylenes (X)
PCBs = Polychlorinated biphenyls.
ND = not detected; the detection limits were well below the current and proposed MTCA Method A cleanup levels.
mg/kg = milligrams per kilogram which is equal to parts per million (ppm).
ug/kg = micrograms per kilogram which is equal to parts per billion (ppb).
WDOE Method A cleanup levels for BTEX are: 0.02, 6.3, 5.3, and 8.4 mg/kg, respectively
A blank space means the indicated analyses was not conducted for the specified soil sample.
NA = Not analyzed.
N/A = Not applicable
Depths are in feet below the ground surface (bgs).
For Stock-6, heavy oil was reported to be detected at or above the listed reporting limit (100mg/kg).
Concentrations that exceed the WDOE Method A cleanup level are in **bold** typeface.

3.3 Confirmation Soil Sampling and Analysis

During removal of the USTs PCS was observed in the area of former UST T3 and immediately beneath part of the southern part of the concrete floor slab (north of former UST T3). With the exception of two samples, the PCS was found to be heavy oil (DRO) with concentrations (where they were above the WDOE Method A Cleanup Level) ranging from 240 to 3,500 mg/kg. The exceptions (in soil samples #110600-B12 and #110600-W11) had reported gasoline (GRO) concentrations that were either right at the WDOE Method Cleanup Level of 100 mg/kg or less (8.2 mg/kg), respectively. Based on the absence of GRO in other soil samples and the overexcavation of the soil in the area of the soil samples with detected GRO, it is the judgment of ATC that the PCS was impacted with DRO and the two reported GRO concentrations are not considered to be significant.

During or following initial soil overexcavation, there were three areas of soil found to be DRO impacted based on laboratory analyses. These areas were subsequently overexcavated and the confirmation soil samples cited in Table 3 were collected and analyzed. As shown in this table, all confirmation soil samples did not have detectable DRO concentrations (e.g., the analytical results were ND) with the exception of sample 121400-03 which had petroleum hydrocarbon concentrations below the WDOE Method A Cleanup Level for DRO of 200 mg/kg.

TABLE 3. CONFIRMATION SOIL SAMPLE AND ANALYTICAL DATA

Sample No.	Sample Location	Depth (feet)	NWTPH-HCID
121400-01	Below concrete with DRO sludge, 8 feet west of foundation wall	16	ND
121400-02	Below concrete with DRO sludge, 1 foot west of foundation wall.	16	ND
121400-03	Below concrete with DRO sludge, at western extent of concrete floor slab.	16	Diesel – 90 mg/kg* Heavy oil -160 mg/kg
121500-04	Bottom of excavation, approx.18 feet west of eastern extent of excavation in former UST T3 area.	16	ND
121500-05	Near base of west wall of USTs' excavation.	15	ND
121500-06	South sidewall of UST excavation, approx. 15 feet east of western extent of excavation.	15	ND
121500-07	Bottom sample at western sidewall approx. 27 feet east of western extent of excavation.	15	ND
121500-08	Bottom sample, approx. 7 feet from eastern extent of excavation. Former USTs T1 and T2 location	14	ND

NOTES:
DRO = Diesel Range Organics (WDOE Method A cleanup level is 200 mg/kg)
GRO = Gasoline range Organics (WDOE Method A cleanup level is 100 mg/kg)
ND = not detected; the detection limits were well below the current and proposed MTCA Method A cleanup levels
mg/kg = milligrams per kilogram which is equal to parts per million (ppm).
* After initial analysis by NWTPH-HCID, sample #121400-03 was reanalyzed by method NWTPH-Dx with the reported compounds detected at the concentrations cited.

The three areas of PCS and the subsequent confirmation soil samples are as follows:

- The area around soil samples #110600-B12 and #N-11 which had reported concentrations of 3,000 to 3,400 DRO. These soil samples were collected at a depth of approximately 11 to 12 feet bgs. Following

overexcavation in these areas, the following confirmation soil samples were collected which documented the removal of this impacted soil: #121400-01; #121500-04; #121500-05; and #121500-08. These soil samples were collected at depths of approximately 14 to 16 feet bgs (approximately 3 to 5 feet below the depth of the DRO-impacted soil samples). As summarized in Table 3, none of these confirmation soil samples had detectable concentrations of petroleum hydrocarbons.

- The area around soil sample #110600-W11 had a reported DRO concentration of 320 mg/kg at a depth of approximately 11 feet bgs. Following overexcavation of this area the following confirmation soil samples were collected which documented the removal of this impacted soil: #121500-06 and #121500-07. These soil samples were collected at a depth of approximately 15 feet bgs (approximately 4 feet below the depth of the DRO-impacted soil sample). As summarized in Table 3, neither of these confirmation soil samples had detectable concentrations of petroleum hydrocarbons.
- The area beneath part of the concrete floor slab that had the DRO sludge where soil sample 112900-TP1-13 was collected at a detph of approximately 13 feet bgs from the test pit which had the same designation. Following overexcavation of this area the following confirmation soil samples were collected which documented the removal of this impacted soil: #121500-03 and #121500-05. These soil samples were collected at depths of approximately 15 to 16 feet bgs (approximately 2 to 3 feet below the depth of the DRO-impacted soil sample). As summarized in Table 3, neither of these confirmation soil samples had concentrations of petroleum hydrocarbons above the WDOE Method A Cleanup Level of 200 mg/kg for DRO.

Upon receipt of the confirmation soil sample analyses, a total of 259.52 tons of PCS and DRO sludge was removed from the site under current State of Washington Department of Transportation Standards (including the use of manifests to track transportation and disposal) and disposed of at TPS Technologies of Tacoma, Washington. Transportation. Transportation and disposal of the PCS and DRO sludge and disposal were conducted by Emerald under subcontract to ATC. Copies of the manifests are presented in Appendix A.

Based on the information obtained during the UST removal activities, it is the judgment of ATC that the PCS was likely was the result of leakage from small holes and corroded areas in former UST T3 as well as possibly poor houskeeping during the life of the former service station. It also is ATC's judgment that the lateral and vertical extent of PCS has been characterized and removed.

Based on field observations and the results of the confirmation soil sampling and analysis, it is the judgment of ATC that there is a low likelihood that PCS associated with former UST T3 remains at the site. The Washington Department of Ecology UST Site Assessment Checklist (Checklist) has been completed to document the UST and impacted soil and DRO sludge removal. A copy of the Checklist is presented in Appendix D.

3.4 Excavation Backfilling

In December 2000, the lower part of the excavation was backfilled with screened pit run and gravel. Above this fill material, non-impacted soil from the USTs' excavation was placed as fill. It has been Emerald's experience that the screened pit run and gravel can be expected to have an inherent compaction of 80% to 90%. A hydraulic compactor was used to compact the backfilled soil in one to two-foot thick lifts to approximately 90 percent compaction, according to Emerald. This compaction information is considered approximate and should be verified by a geotechnical engineer if there are to be any significant engineered loads (such as those for buildings) in this area.

3.5 Groundwater

According to Kleinfelder (in its report dated June 2000), regional groundwater was reported to be approximately 45 feet bgs with a flow direction to the west-northwest. As discussed above and in ATC's report (dated February 2, 2001), this depth and flow direction is based on information approximately 1.2 miles from the site. This depth to groundwater and flow direction is consistent with ATC's experience.

Water was encountered intermittently in the site excavation. This water was encountered at a depth of approximately 14 feet bgs in some of the excavations and test pits that were excavated. In other excavated areas and test pits the water was encountered at depths below 14 feet bgs (to 16 feet bgs which was the deepest depth excavated). Based on the depth of this water above the reported regional groundwater table, the heterogeneous nature of the fill at the site (which could result in localized "ponding" of precipitation in a manner consistent with the observed conditions), the historical stream valley above which the site is located (and which has since been filled in), and the intermittent occurrence of water in the site excavations, this water is, in the judgment of ATC, seasonal perched water.

In ATC's judgment, any potential impacts to the seasonal perched water are not an environmental concern. This judgment is based on the following: the seasonal perched water was only intermittently present, the source of potential impacts (the former USTs and the petroeum hydrocarbon impacted soil) has been removed, the detected petroleum hydrocarbons at this site were heavier end DRO petroleum hydrocarbons which tend to be of limited mobility, volatility, and toxicity, the depth of the water below the ground surface and distance above the reported depth of the regional groundwater, and the "soil" in which the seasonal perched water is located is debris filled fill which would likely result in the water being less than pristine.

It is also ATC's judgment that there is a very low likelihood that regional groundwater has been impacted by the former DRO-impacted soil at the site. This judgment is based on the results of the confirmation soil sampling and analysis (which had did not have detectable DRO concentrations with the exception of one sample which had petroleum hydrocarbon concentrations below the WDOE Method A Cleanup Level for DRO of 200 mg/kg) and the distance (more than 25 feet) between the perched seasonal water and the reported depth to regional groundwater. With the removal of the USTs and DRO-impacted soil the source for any future impacts has been removed.

4.0 DISCUSSION

Historically the site had a former gasoline service station. In the area of this former gasoline service station, a total of three USTs ultimately were encountered. These three USTs (designated UST T1 through T3) were removed, cleaned and recycled offsite at Bloch Steel Industries. Petroleum-impacted soil (PCS) was encountered during UST decommissioning and was disposed of at the TPS Technologies Facility in Tacoma, Washington under manifest. Part of a buried foundation wall and concrete floor slab (indicative of a possible basement floor slab) were encountered in the UST excavation north of where the USTs were located. Some of the concrete floor slab was covered with a sludge-like material (DRO sludge). Where observed, the DRO sludge was scraped off the concrete and disposed of with the PCS. The scraped concrete was disposed of at the Rabanco disposal facility in Roosevelt, Washington.

Confirmation soil samples were collected and analyzed following excavation and removal of the PCS, DRO sludge, and the concrete floor slab from which the DRO sludge had been removed.

Based on field observations it is the judgment of ATC that petroleum hydrocarbon- (DRO-) impacted soil (PCS) encountered at the site likely was the result of leakage from small holes and corroded areas in former UST T3 as well as possibly poor housekeeping during the life of the former gasoline service station. It is also the judgment of ATC that the vertical and lateral extent of the former PCS-impacted soil has been characterized and that the PCS-impacted soil has been removed from the area of former UST T3. It is ATC's judgment that there is a low likelihood that PCS associated with former UST T3 remains at the site.

The age of the UST's is unknown but most likely associated with a service station previously located at the site. No other USTs are known to be present at the site.

In ATC's judgment, there is a very low likelihood that regional groundwater has been impacted by the former DRO-impacted soil at the site. This judgment is based on the results of the confirmation soil sampling and analysis and the distance (more than 25 feet) between the perched seasonal water and the reported depth to regional groundwater.

5.0 CONCLUSIONS

Based on the results of this investigation, current regulatory guidelines, and the judgment of ATC, the following conclusions have been drawn:

- Petroleum hydrocarbon- (DRO-) impacted soil (PCS) encountered at the site likely was the result of leakage from small holes and corroded areas in former UST T3 as well as possibly poor housekeeping during the life of the former service station.
- The vertical and lateral extent of former PCS-impacted soil has been characterized and the PCS-impacted soil has been removed from the area of former UST T3.
- There is a low likelihood that PCS associated with former UST T3 remains at the site.
- All of the DRO sludge (4.63 tons) observed on the subsurface concrete floor slab has been scraped off the concrete and transported to the Rabanco facility in Roosevelt, WA for disposal.
- All of the observed PCS-impacted soil and the DRO sludge (259.52 tons) was transported under manifest to TPS Technologies in Tacoma, WA for incineration.
- The excavation has been backfilled with "clean" fill from the excavation and imported fill that was compacted to approximately 80 to 90 percent. This compaction is approximate.
- Significant quantities of trash (that included tires, bricks, concrete, car parts, metal, and wood debris) were encountered in the excavations at the site. It is likely that this type of trash is present elsewhere at the site.
- Seasonal perched water was encountered intermittently at a depth of approximately 14 feet bgs.
- Seasonal perched water is not considered to be an environmental concern.
- There is a very low likelihood that regional groundwater has been impacted by the former DRO-impacted soil at the site.

6.0 RECOMMENDATIONS

Based on the results of this investigation, current regulatory guidelines, and the judgment of ATC, the following recommendations are presented for consideration:

- No further investigation is recommended.
- This report should be transmitted to the State of Washington Department of Ecology with a request for site closure.
- During any future site development, the characteristics of fill at the site should be considered along with the remaining foundation wall and concrete floor slab as they relate to potential foundation (geotechnical engineering) impacts.
- Compaction of fill in the UST-related excavations should be verified by a geotechnical engineer if there is to be any significant engineered loads (such as those for buildings) in the area of the USTs' excavations.

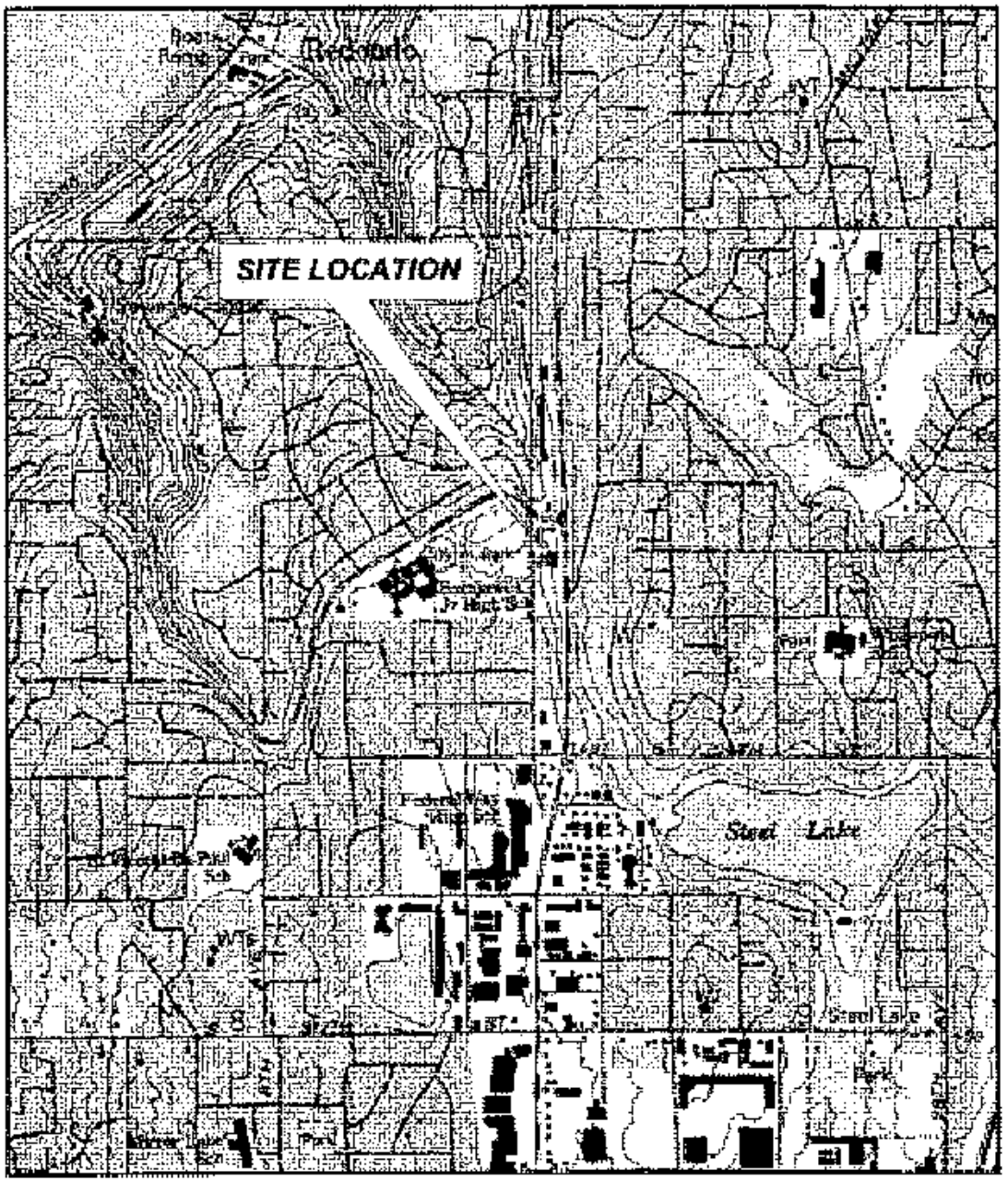
7.0 REFERENCES

ATC Associates Inc., 2001, Report of subsurface investigation at the Ruth Evans Trust property located at 29805 Pacific Highway South in Federal Way, Washington: Unpublished professional report prepared for the Ruth Evans Trust c/o Union Bank of California, Orange, CA, dated February 2, 2001.

Kleinfelder, 2000, Phase I Environmental Site Assessment for the Ruth Evans Trust property located at 29805 Pacific Highway South in Federal Way, Washington: Unpublished professional report prepared for the Ruth Evans Trust c/o Union Bank of California, Orange, CA, dated June 2000.

R 4 E.

T 21 N.



1/2 mile 0 1 mile

SOURCE: USGS 7.5 X 15 MINUTE TOPOGRAPHIC SURVEY MAP OF
POVERTY BAY, WASHINGTON QUADRANGLE; 1961, PHOTOREVISED 1994

VATC ASSOCIATES INC.
Solutions for Environmental Concerns

PROJECT NO.: 76.17883.0902		
DESIGNED BY: MW	SCALE: 1:24,000	
DRAWN BY: MW	DATE: 12/15/00	FILE: Fig1.VSD

FIGURE 1

SITE VICINITY MAP

PHASE II SUBSURFACE INVESTIGATION
RUTH EVANS TRUST
29805 PACIFIC HIGHWAY SOUTH
FEDERAL WAY, WASHINGTON

LIGHTS

SIGNS

POSTS

B-6

B-10

FORMER 55-GALLON DRUM STORAGE LOCATION

B-8

B-9

B-7

APPROXIMATE LOCATION OF FORMER 500-GALLON DIESEL UNDERGROUND STORAGE TANK

B-1

AGC - ANOMALY #3

MOTEL

CHAIN-LINK FENCED AREA

EXISTING BUILDING

B-4

APPROXIMATE LIMIT OF EXCAVATION AS SHOWN IN FIGURE 3.

OUTFALL FROM SUMPS

B-5

PARKING AREA

AGC - ANOMALY #1

AGC - ANOMALY #2

B-3

FOUNDATION WALL

Posts

B-2

LEGENDS

- Outfall from Sumps
- B-5 Soil Boring Locations
- Extent of Excavation
- Sump Locations

PACIFIC HIGHWAY SOUTH

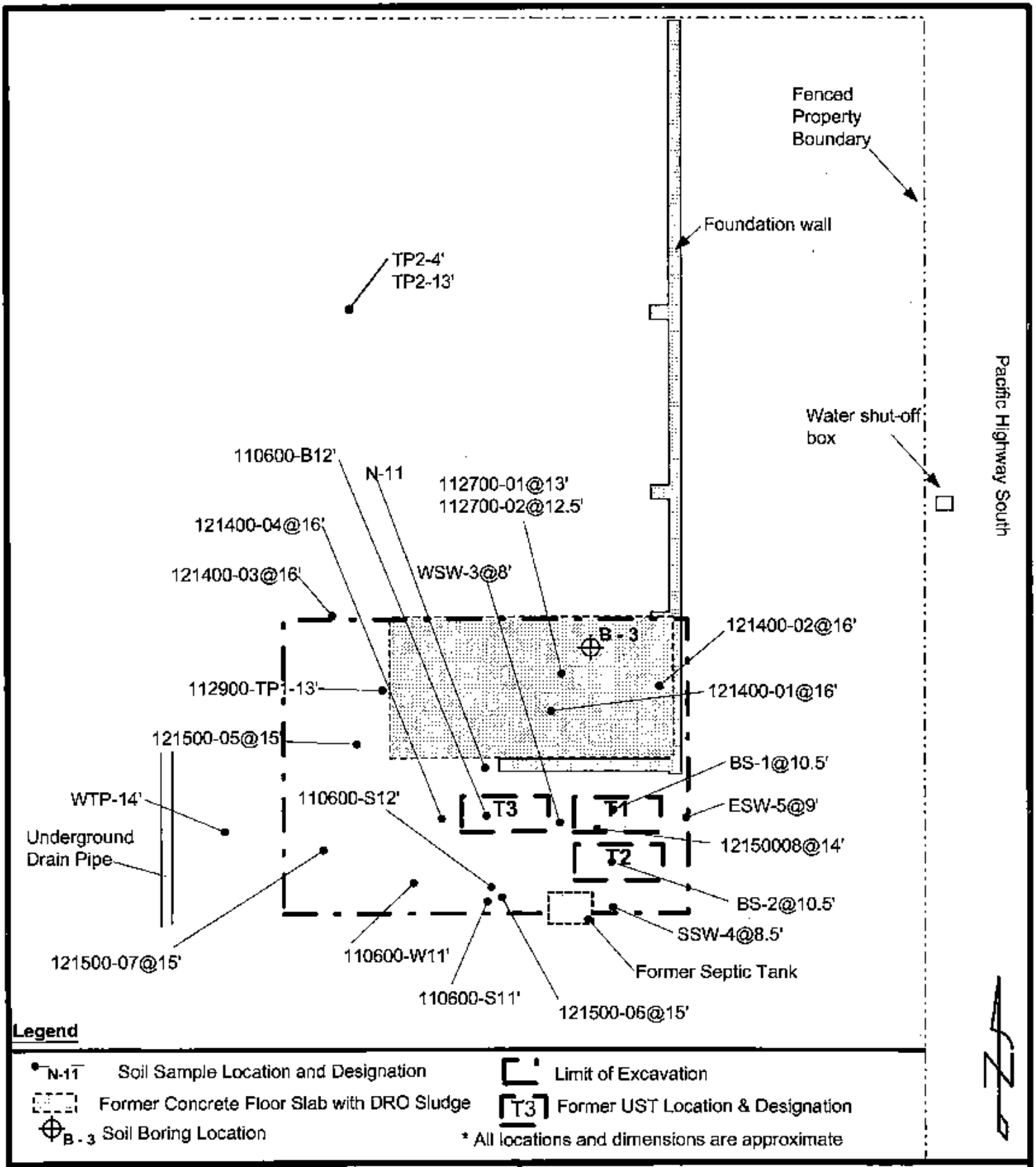
VATC ASSOCIATES INC.
Solutions For Environmental Concerns

PROJECT NO.: 76.17883.0902		
DESIGNED BY: MW	SCALE: 1" ~ 26'	TYPE:
DRAWN BY: MLL	DATE : 11/6/00	FILE: Fig2.vsd

FIGURE 2

SITE MAP

UNDERGROUND STORAGE TANK SITE ASSESSMENT
RUTH EVANS TRUST
29850 PACIFIC HIGHWAY SOUTH
FEDERAL WAY, WASHINGTON



ATC ASSOCIATES INC.
Solutions For Environmental Concerns

PROJECT NO.: 76.17883.0902		
DESIGNED BY: MW	SCALE: 1"=10'	TYPE:
DRAWN BY: DFK	DATE : 1/2/01	FILE: Fig2.vsd

SOIL SAMPLE LOCATIONS

SUBSURFACE INVESTIGATION
RUTH EVANS TRUST
29805 PACIFIC HIGHWAY SOUTH
FEDERAL WAY, WASHINGTON

APPENDIX A

UNDERGROUND STORAGE TANK DECOMMISSIONING DOCUMENTATION

TPS

Date	Ticket #	Qty (Tons)
15-Dec	479050	14.08
15-Dec	479044	25.04
15-Dec	479033	26.45
15-Dec	479012	13.18
15-Dec	478999	26.35
15-Dec	478970	28.11
15-Dec	478993	13.49
19-Dec	479259	29.18
19-Dec	479231	29.66
20-Dec	479316	29.77
20-Dec	479365	24.21
Total		259.52

Marine View Sand & Gravel

Date	Ticket #	Qty (Tons)
15-Dec	3325	13.96
15-Dec	3324	31.14
19-Dec	3348	27.49
19-Dec	3347	26.92
20-Dec	3356	27.79
20-Dec	3350	28.64
20-Dec	3359	28.89
21-Dec	3365	12.26
21-Dec	3364	12.82
21-Dec	3366	11.4
21-Dec	3357	12.81
21-Dec	3356	13.76
21-Dec	3363	10.55
21-Dec	3361	10.92
TOTAL		269.35

RW Rhine

Date	Ticket #	Qty (Tons	Material
15-Dec	11187	27.75	RC

Stoneway - Quarry Rock

Date	Ticket #	Qty (Tons)
20-Dec	28218	28.15

Stoneway - Concrete Dump

Date	Ticket #	Qty (Load)
14-Dec	27921	1
20-Dec	28210	1
		2 Loads

Rabanco CDL

Date	Ticket #	Qty (tons)
21-Dec	1336775	4.63

32-48697

WASHINGTON STATE DEPARTMENT OF ECOLOGY

UNDERGROUND STORAGE TANK
Closure and Site Assessment Notice

For ecology Use Only
Site ID #
Opinion #

See back of form for instructions

Please ✓ the appropriate box(es)
☐ Temporary Tank Closure ☐ Change-In-Service ☐ Permanent Tank Closure ☐ Site Check/Site Assessment

Site Information

Site ID Number _____
(Available from Ecology if the tanks are registered)
Site/Business Name _____
Site Address 29805 PACIFIC Hwy S. (Street)
City/State FEDERAL WAY, WA
Zip Code _____ Telephone (___) _____
Owners Signature _____

Owner Information
(This form will be returned to this address)

UST Owner/Operator _____
Mailing Address _____ (Street)
_____ (P.O. Box)
City/State _____
Zip Code _____ Telephone (___) _____

Tank Closure/Change-In-Service Company

Service Company EMERALD SERV. INC.
Certified Supervisor Jerry Smiley Decommissioning Certification No. 0877828-26
Supervisor's Signature Jerry Smiley Date 4/3/00
Address 7343 E. MARGINAL WAY S (Street) (P.O. Box)
SEATTLE (City) WA (State) 98108 (Zip Code) Telephone (206) 832 3000

Site Check/Site Assessor

Certified Site Assessor Mark Watts (ATC)
Address _____ (Street) (P.O. Box)
_____ (City) (State) (Zip Code) Telephone (___) _____

Tank Information

Tank ID	Closure Date	Closure Method	Tank Capacity	Substance Stored
T1				
T2				
T3				

Contamination Present at the Time of Closure

☒ Yes ☐ No ☐ Unknown

Check unknown if no obvious contamination was observed and sample results have not yet been received from analytical lab.

☐ Yes ☐ No

If contamination is present, has the release been reported to the appropriate regional office?

To receive this document in an alternative format, contact the TOXICS CLEANUP PROGRAM at 1-800-826-7716 (VOICE) OR (360) 407-6006 (TDD).

Emerald SERVICES INC.

Emerald Services
Emerald Construction
Emerald Sanitary Service
Emerald Portable Storage
Emerald Petroleum Services

DISPOSAL CERTIFICATION

January 11, 2001

ATC Associates, Inc.
6347 Seaview Avenue NW
Seattle, WA 98107
Attn: Mark Watts

Dear Mr. Watts:

This letter is to certify that Emerald Services, Inc. has received the following tank(s) for cleaning and disposal in accordance with all federal, state and local rules and regulations:

- (1) 750 gallon diesel underground heating oil tank
- (1) 500 gallon diesel underground heating oil tank
- (1) 300 gallon diesel underground heating oil tank

EMERALD SERVICES JOB # 32-48697

DATE RECEIVED: 11/03/00

DATE CLEANED: 12/01/00

DATE OF DISPOSAL: 12/01/00

METHOD OF DISPOSAL: Metal Recycling by Bloch Steel Industries

LOCATION OF TANK ORIGIN: 29805 Pacific Hwy S., Federal Way, WA
If you have any questions or requests for service, feel free to contact this office at (206) 832-3000.

Thank you for your business and we look forward to being of service in the future.

Sincerely,
Emerald Services Inc.

Sandi Shanklin
Project Administrator

dispcert.doc

Soil Recycling Certificate

TPS Technologies Inc. does hereby certify

that 259.52 tons of non-hazardous contaminated soil

received from

29805 Pac Highway SOuth
Emerald Construction (Consultant)
Federal Way, WA

Under Manifest / authorization number 03-03174
4930

have been properly recycled to approved regulatory standards

at our Soil Recycling Facility in Lakewood, WA

Dated this 29th Dec 00

Sworn and Attested by:
TPS Technologies Inc.

By:

CLEANING CERTIFICATE

THIS IS AN ON-SITE CLEANING CERTIFICATE. CERTIFICATE INDICATES THAT THE FOLLOWING TANK(S) HAS(HAVE) BEEN CLEANED AND TRIPLE RINSED IN COMPLIANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS:

QTY.	GALLONAGE	DESCRIPTION
1	750	U.S.T HEATING oil

WPEI JOB # 32-48697

TRUCK # 777

DRIVER SIGNATURE

[signature] DATE 12-1-00

SITE INFORMATION

COMPANY: FORMER 40 RENTALS

ADDRESS: HWY 99 & BEACH (AT DASH PT. RD.
FEDERAL WAY

CUSTOMER SIGNATURE

DATE

P.O. Box 80743 • Seattle, WA 98108 • 54 So. Dawson St. • Seattle, WA 98134 • Phone 206-762-1190 • Toll-Free 1-800-441-1090

32-48697

NT 4898

West Pac Environmental, Inc.

CLEANING CERTIFICATE

THIS IS AN ON-SITE CLEANING CERTIFICATE. CERTIFICATE INDICATES THAT THE FOLLOWING TANK(S) HAS(HAVE) BEEN CLEANED AND TRIPLE RINSED IN COMPLIANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS:

QTY.	GALLONAGE	DESCRIPTION
1	300	UST HEATING oil
1	500	" "

WPEI JOB # 32-48697

TRUCK # 777

DRIVER SIGNATURE

Dan Doyle DATE 12-1-00

SITE INFORMATION

COMPANY: Former 40 RENTALS

ADDRESS: HWY-99 & Dash point R.D.
FEDERAL WY.

CUSTOMER SIGNATURE

_____ DATE _____

P.O. Box 80743 • Seattle, WA 98108 • 54 So. Dawson St. • Seattle, WA 98134 • Phone 206-762-1190 • Toll-Free 1-800-441-1090

lworth & Company, Inc.

GENERAL CONTRACTORS

East D Street / Tacoma, Washington 98421
Telephone (253) 383-3585

LAKEVIEW PIT TICKET

Contractors Lic. # WOODW 377NO

Ticket # 478993
Wmaster REBECCA

CAUTION: HOT ASPHALT WILL BURN YOU!

ROBERT

RECEIVED *

CUSTOMER:

PURCHASE ORDER:

	JOB LOAD	JOB TONS
TOTAL		
DAILY 2		41.60

	PLANT	SILO #	JOB	PLANT	TRUCK	SEQUENCE	REFERENCE
5/00			3174-		3089		
16							

	GROSS	TARE	NET WT. TONS	PRICE	TOTAL
0					
Mt. SOIL	50680	23700	13.49		

STRUCTIONS

26980 Net LB 2

Net Metric Tons
12.24

TAX %
PAY THIS AMOUNT

PIT B180

REMARKS

X

SCALE OPERATOR

Woodworth & Company, Inc.

GENERAL CONTRACTORS

1200 East D Street / Tacoma, Washington 98421
Telephone (253) 383-3585

LAKEVIEW PIT TICKET

Contractors Lic. # WOODW 377NO

NAPA

32-18697

Ticket # 479030
Wmaster REBECCA

CAUTION: HOT ASPHALT WILL BURN YOU!

ROBERT

RECEIVED *

CUSTOMER:

P.S.
11384

PURCHASE ORDER:

	JOB LOAD	JOB TONS
TOTAL		
DAILY	7	146.70

	PLANT	SILO #	JOB	PLANT	TRUCK	SEQUENCE	REFERENCE
2/15/00							
21			3174-		3089		

	GROSS	TARE	NET WT. TONS	PRICE	TOTAL
200 CONT. SOIL	51860	23700	14.08		

INSTRUCTIONS

28160 Net LB 2

Net Metric Tons
12.77

TAX %
PAY THIS AMOUNT

PIT B160

REMARKS

X

SCALE OPERATOR

32-48697

Woodworth & Company, Inc.

GENERAL CONTRACTORS

1200 East D Street / Tacoma, Washington 98421
Telephone (253) 383-3585

LAKEVIEW PIT TICKET

Contractors Lic. # WOODW 377NO

Ticket # 479044
Wmaster REBECCA

CAUTION: HOT ASPHALT WILL BURN YOU!

RECEIVED *

CUSTOMER: P.S. 1384

PURCHASE ORDER:

	JOB LOAD	JOB TONS
TOTAL		
DAILY	6.	132.62

	PLANT	SILO #	JOB	PLANT	TRUCK	SEQUENCE	REFERENCE
2/15/00 *93			3174-		0192T		

200 ONT. SOIL	GROSS	TARE	NET WT. TONS	PRICE	TOTAL
	83760	33680	25.04		

INSTRUCTIONS

50080 Net LB 2

Net Metric Tons 22.72

TAX %
PAY THIS AMOUNT

PIT B160

REMARKS

X

SCALE OPERATOR

32-48697

Woodworth & Company, Inc.

GENERAL CONTRACTORS

1200 East D Street / Tacoma, Washington 98421
Telephone (253) 383-3585

LAKEVIEW PIT TICKET

Contractors Lic. # WOODW 377NO

Ticket # 479033
Wmaster REBECCA

CAUTION: HOT ASPHALT WILL BURN YOU!

STEPHANIE

RECEIVED *

CUSTOMER: P.S. 1384

PURCHASE ORDER:

	JOB LOAD	JOB TONS
TOTAL		
DAILY	5	107.58

	PLANT	SILO #	JOB	PLANT	TRUCK	SEQUENCE	REFERENCE
c/15/00 :23			3174-		0192T		

	GROSS	TARE	NET WT. TONS	PRICE	TOTAL
200 ONT. SOIL	86580	33680	26.45		

INSTRUCTIONS

52900 Net LB 2

Net Metric Tons
24.00

TAX %
PAY THIS AMOUNT

PIT B160

REMARKS

X

SCALE OPERATOR

32-48697

Woodworth & Company, Inc.

GENERAL CONTRACTORS

1200 East D Street / Tacoma, Washington 98421
Telephone (253) 383-3585

LAKEVIEW PIT TICKET

Contractors Lic. # WOODW 377NO

Member NAPA National Asphalt Pavement Association

Ticket # 479012
Wmaster REBECCA

CAUTION: HOT ASPHALT WILL BURN YOU!

ROBERT

RECEIVED *

CUSTOMER: P.S. 1384

PURCHASE ORDER:

	JOB LOAD	JOB TONS
TOTAL		
DAILY	4	81.13

DATE	PLANT	SILO #	JOB	PLANT	TRUCK	SEQUENCE	REFERENCE
6/15/00 1:40			3174-		3089		

	GROSS	TARE	NET WT. TONS	PRICE	TOTAL
200 ONT. SOIL	50060	36700	13.18		

INSTRUCTIONS

26360 Net LB. 2

Net Metric Tons 11.96

TAX %

PAY THIS AMOUNT

PIT B160

REMARKS

X

SCALE OPERATOR

MasterCard

32-48697

Woodworth & Company, Inc.

GENERAL CONTRACTORS

1200 East D Street / Tacoma, Washington 98421
Telephone (253) 383-3585

LAKEVIEW PIT TICKET

Contractors Lic. # WOODW 377NO

Ticket # 478999
Wmaster REBECCA

CAUTION: HOT ASPHALT WILL BURN YOU!

STEPHANIE

RECEIVED *

CUSTOMER: P. S.
)1384

PURCHASE ORDER:

	JOB LOAD	JOB TONS
TOTAL		
DAILY	3	67.95

DATE	PLANT	SILO #	JOB	PLANT	TRUCK	SEQUENCE	REFERENCE
2/15/00 0:52			3174-		0192T		

E 200 ONT. SOIL	GROSS	TARE	NET WT. TONS	PRICE	TOTAL
	86380	33680	26.35		

L INSTRUCTIONS

52700 Net LB 2

Net Metric Tons
23.90

TAX %
PAY THIS AMOUNT

PIT B160

REMARKS

X

SCALE OPERATOR

32-48697 1697

odworth & Company, Inc.

GENERAL CONTRACTORS

st D Street / Tacoma, Washington 98421
Telephone (253) 383-3585

LAKEVIEW PIT TICKET

Contractors Lic. # WOODW 377NO

Ticket # 478970
Wmaster REBECCA

ON: HOT ASPHALT WILL BURN YOU!

STEPHANIE

RECEIVED *

PURCHASE ORDER:

	JOB LOAD	JOB TONS	JOB TONS
TOTAL			
DAILY	1	28.11	1.60

PLANT	SILO #	JOB	PLANT	TRUCK	SEQUENCE	REFERENCE	REFERENCE
		3174-		0192T			

GROSS	TARE	NET WT. TONS	PRICE	TOTAL	TOTAL
89900	33680	28.11			

56220 Net LB 2

Net Metric Tons
25.50

TAX %
PAY THIS AMOUNT

T B160

REMARKS

X

SCALE OPERATOR

32-48697

Woodworth & Company, Inc.

GENERAL CONTRACTORS

1200 East D Street / Tacoma, Washington 98421
Telephone (253) 383-3585

LAKEVIEW PIT TICKET

Contractors Lic. # WOODW 377NO

Ticket # 479259
Wmaster REBECCA

CAUTION: HOT ASPHALT WILL BURN YOU!

RECEIVED *

CUSTOMER: U.S.
1384

PURCHASE ORDER:

	JOB LOAD	JOB TONS
TOTAL		
DAILY 2		58.04

19/00
:44

PLANT	SILO #	JOB	PLANT	TRUCK	SEQUENCE	REFERENCE
		3174-		0192T		

:00
ONT. SOIL

GROSS	TARE	NET WT. TONS	PRICE	TOTAL
92040	33680	29.18		

INSTRUCTIONS

58360 Net LB 2

Net Metric Tons
26.47

TAX %
PAY THIS AMOUNT

PIT B160

REMARKS

X

SCALE OPERATOR

MasterCard

32-48697

Woodworth & Company, Inc.

GENERAL CONTRACTORS

1200 East D Street / Tacoma, Washington 98421
Telephone (253) 383-3585

LAKEVIEW PIT TICKET

Contractors Lic. # WOODW 377NO

MEMBER NAPA NATIONAL ASPHALT PAVEMENT ASSOCIATION

Ticket # 479231
Wmaster REBECCA

CAUTION: HOT ASPHALT WILL BURN YOU!

RECEIVED *

CUSTOMER: P.S. 1384

PURCHASE ORDER:

	JOB LOAD	JOB TONS
TOTAL		
DAILY	1	29.66

/19/00 2:33	PLANT	SILO #	JOB	PLANT	TRUCK	SEQUENCE	REFERENCE
			3174-		0192T		

:00 ONT. SOIL	GROSS	TARE	NET WT. TONS	PRICE	TOTAL
	93000	33680	29.66		

INSTRUCTIONS

59320 Net LB 2

Net Metric Tons
26.91

TAX %
PAY THIS AMOUNT

PIT B160

REMARKS

X

SCALE OPERATOR

MasterCard

32-48697

Woodworth & Company, Inc.

GENERAL CONTRACTORS

1200 East D Street / Tacoma, Washington 98421
Telephone (253) 383-3585

LAKEVIEW PIT TICKET

Contractors Lic. # WOODW 377NO

Member NAPA National Asphalt Pavement Association

Ticket # 479316
Wmaster REBECCA

CAUTION: HOT ASPHALT WILL BURN YOU!

RECEIVED *

CUSTOMER: D. S.
11384

PURCHASE ORDER:

	JOB LOAD	JOB TONS
TOTAL		
DAILY	1	29.77

DATE	PLANT	SILO #	JOB	PLANT	TRUCK	SEQUENCE	REFERENCE
2/20/00			3174-		0192T		
0807							

200	GROSS	TARE	NET WT. TONS	PRICE	TOTAL
ONT. SOIL	93220	33680	29.77		

INSTRUCTIONS

59540 Net LB 2

Net Metric Tons
27.01

TAX %
PAY THIS AMOUNT

PIT B160

REMARKS

X

SCALE OPERATOR

MasterCard

32-4849

Woodworth & Company, Inc.

GENERAL CONTRACTORS

1200 East D Street / Tacoma, Washington 98421
Telephone (253) 383-3585

LAKEVIEW PIT TICKET

Contractors Lic. # WOODW 377NO

Member NAPA National Asphalt Pavement Association

Ticket # 479365
Wmaster REBECCA

CAUTION: HOT ASPHALT WILL BURN YOU!

RECEIVED *

CUSTOMER: P.S. 1384

PURCHASE ORDER:

JOB LOAD	JOB TONS
TOTAL	
DAILY 2	53.98

	PLANT	SILO #	JOB	PLANT	TRUCK	SEQUENCE	REFERENCE
2/20/00 9:03			3174-		01927		

	GROSS	TARE	NET WT. TONS	PRICE	TOTAL
200 ONT. SOIL	82100	33680	24.21		

INSTRUCTIONS

48420 Net LB 2

Net Metric Tons 21.96

TAX %
PAY THIS AMOUNT

PIT B160

REMARKS

X _____
SCALE OPERATOR

MasterCard

32-48687 3365

Marine View Sand & Gravel, L.L.C.

(253) 572-2867 • Fax (253) 572-8842
1635 Marine View Drive • Tacoma, WA 98422

Customer Name Emerald Services

To / From Selects Job # _____

SCALE #1

GROSS 48480 LB
TARE 23960 LB KEYED
NET 24520 LB

12/21/00 01:21 PM 12.26T

Truck # Stephen Criswell Date 12/21

32-48687 3364

Marine View Sand & Gravel, L.L.C.

(253) 572-2867 • Fax (253) 572-8842
1635 Marine View Drive • Tacoma, WA 98422

Customer Name Emerald Services

To / From Emerald Job # Select Pitrun

SCALE #1

GROSS 49600 LB
TARE 23960 LB KEYED
NET 25640 LB

12/21/00 12:18 PM 12.82T

Truck # Stephen Criswell Date 12/21

32-48687 3366

Marine View Sand & Gravel, L.L.C.

(253) 572-2867 • Fax (253) 572-8842
1635 Marine View Drive • Tacoma, WA 98422

Customer Name Emerald Services

To / From Select Job # Select

SCALE #1

GROSS 46760 LB
TARE 23960 LB KEYED
NET 22800 LB

12/21/00 02:26 PM 11.40T

Truck # Stephen Criswell Date 12/21

32-48697 3357

Marine View Sand & Gravel, L.L.C.

(253) 572-2867 • Fax (253) 572-8842
1635 Marine View Drive • Tacoma, WA 98422

Customer Name Emerald Services

To / From Seven Job # _____
Return

SCALE #1

GROSS 49580 LB
TARE 23960 LB KEYED
NET 25620 LB

12/21/00 09:27 AM 12.81T

Truck # Taylor Criswell Date 12/21

32-48697 3356

Marine View Sand & Gravel, L.L.C.

(253) 572-2867 • Fax (253) 572-8842
1635 Marine View Drive • Tacoma, WA 98422

Customer Name Emerald Services

To / From Select Job # _____

SCALE #1

GROSS 51480 LB
TARE 23960 LB KEYED
NET 27520 LB

12/21/00 08:29 AM 13.76T

Truck # Taylor Criswell Date 12/21

32-48697 3355

Marine View Sand & Gravel, L.L.C.

(253) 572-2867 • Fax (253) 572-8842
1635 Marine View Drive • Tacoma, WA 98422

Customer Name Emerald Services

To / From Stevens Job # _____
Return

SCALE #1

GROSS 45060 LB
TARE 23960 LB KEYED
NET 21100 LB

12/21/00 11:18 AM 10.55T

Truck # Taylor Criswell Date 12/21

32-48697 3361

Marine View Sand & Gravel, L.L.C.

(253) 572-2867 • Fax (253) 572-8842
1635 Marine View Drive • Tacoma, WA 98422

Customer Name Emerald Services

To / From Stevens Job # _____
Select

SCALE #1

GROSS 45800 LB
TARE 23960 LB KEYED
NET 21840 LB

12/21/00 10:17 AM 10.92T

Truck # Taylor Criswell Date 12/21

3358
32-48697

rine View Sand & Gravel, L.L.C.

(253) 572-2867 • Fax (253) 572-8842
1635 Marine View Drive • Tacoma, WA 98422

omer
ame Emerald Services

/ From Sawmill Job # _____
Return

SCALE #1
T 34000
GROSS 89580 LB
N 55580
12/20/00 12:42 PM

27.79T

ck # 1 Dale Date 12/20

3350
32-48697

Marine View Sand & Gravel, L.L.C.

(253) 572-2867 • Fax (253) 572-8842
1635 Marine View Drive • Tacoma, WA 98422

Customer
Name Emerald Services

To / From Sawmill Job # _____
Return

SCALE #1
T 34000
GROSS 91280 LB
N 57280
12/20/00 09:56 AM

28.64 ton

Truck # 1 Dale Date 12/20

3359
32-48697

Marine View Sand & Gravel, L.L.C.

(253) 572-2867 • Fax (253) 572-8842
1635 Marine View Drive • Tacoma, WA 98422

Customer
Name Emerald Services

To / From Sawmill Job # _____
Return

SCALE #1

GROSS 91780 LB
TARE 34000 LB KEYED
NET 57780 LB

12/20/00 02:06 PM

28.89T

Truck # 1 Dale Date 12/20

4-4 32-48697 3348

Marine View Sand & Gravel, L.L.C.

(253) 572-2867 • Fax (253) 572-8842
1635 Marine View Drive • Tacoma, WA 98422

Customer Name Evergreen Services

To / From Green Job #

SCALE #1

GROSS 88700 LB
TARE 33720 LB KEYED
NET 54980 LB

12/19/00 03:27 PM 27.49T

Truck # Dale Date 12/19

32-48697 3347

Marine View Sand & Gravel, L.L.C.

(253) 572-2867 • Fax (253) 572-8842
1635 Marine View Drive • Tacoma, WA 98422

Customer Name Evergreen Services

To / From Kennard Job #
Pitman

26.92 tons

SCALE #1

GROSS 87560 LB
TARE 33720 LB KEYED
NET 53840 LB

12/19/00 01:16 PM 26.92T

Truck # Dale Date 12/19

32-48697 3325

Marine View Sand & Gravel, L.L.C.

(253) 572-2867 • Fax (253) 572-8842
1635 Marine View Drive • Tacoma, WA 98422

er Emerald Services

m _____ Job # _____

SCALE #1

GROSS 51660 LB
TARE 23740 LB
NET 27920 LB 13.96 T

12/15/00 12:12 PM

57

Date 12/15

32-48697 3324

Marine View Sand & Gravel, L.L.C.

(253) 572-2867 • Fax (253) 572-8842
1635 Marine View Drive • Tacoma, WA 98422

Customer Name Evergreen Services

To / From Puyallup Job # _____

SCALE #1

GROSS 95680 LB
TARE 33400 LB KEYED
NET 62280 LB 31.14 T

12/15/00 11:37 AM

Truck # _____ Date 12/15

Y ROCK & RECYCLING

S TENTH AVENUE SOUTH
EATTLE, WA 98108 • (206) 762-2566
IVER QUARRY
TH ST. • RENTON • (425) 226-1000 A DIVISION OF GARY MERLINO CONSTRUCTION COMPANY, INC.

DELIVERY TICKET

ACCOUNTING (206) 762-2566
SALES/PLANT (425) 226-1000
ORDER DESK
FAX (206) 763-4178

DATE	LEAVE PLANT	ARRIVE JOB	LEAVE JOB	ARRIVE PLANT
12/14/00				

CUSTOMER NO.	ORDER NO.	PROJECT	PLANT #
952701			22

CUSTOMER NAME: WEST PAC ENVIRONMENTAL

CUSTOMER P.O.:

JOB NO.: 00050

DELIVERY TICKET NO.: 027921

JOB ADDRESS: DUMP

SPECIAL INSTRUCTIONS: HWY 99 & DASH POINT ROAD

COLLECT ON DELIVERY (C.O.D.)

☐ CASH ☐ CHECK # _____ ☐ CHARGE

CARD # _____ EXP ____/____

☐ VISA ☐ MASTERCARD ☐ DISCOVER

JOB # 33-48697

QUANTITY	U.M.	PRODUCT CODE	DESCRIPTION	TONS	TOTAL TONS	UNIT PRICE	AMOUNT
1	LD	910118	DUMP FEE - CONC W/REB				

PAVE - Hauled 40 Rocks

4400.00 32 60.00 332 48697

DRIVER	TRUCK NO.	ORDERED BY	REMIT TO	SUB-TOTAL	
	257		9125 10th AVE. S. SEATTLE, WA 98108 TERMS ON REVERSE		
DISPATCHER	TAX CODE	TIME DUE		SALES TAX	
	WA01	3:32pm		BALANCE FORWARD	
				TOTAL AMOUNT	

RELEASE — CUSTOMER RELEASES AND AGREES TO HOLD HARMLESS STONEWAY ROCK & RECYCLING, A DIVISION OF GARY MERLINO CONSTRUCTION COMPANY, INC. FOR ANY DAMAGE TO HIS REAL OR PERSONAL PROPERTY CAUSED BY DELIVERY OF MATERIALS LISTED ABOVE. DETAILS ON REVERSE.

CUSTOMER SIGNATURE _____

PRINT NAME Robert Shelton DATE _____

REV 12/99 NBF

CUSTOMER COPY

32-48697

STONEWAY ROCK & RECYCLING

9125 TENTH AVENUE SOUTH
SEATTLE, WA 98108 • (206) 762-2566
RIVER QUARRY
140TH ST. • RENTON • (425) 226-1000
A DIVISION OF GARY MERLINO CONSTRUCTION COMPANY, INC.

DELIVERY TICKET

ACCOUNTING (206) 762-2566
SALES/PLANT & ORDER DESK (425) 226-1000
FAX (206) 763-4178

DATE	LEAVE PLANT	ARRIVE JOB	LEAVE JOB	ARRIVE PLANT
12/20/00				

CUSTOMER NO.	ORDER NO.	PROJECT	PLANT #
952701			22

CUSTOMER NAME: WEST PAC ENVIRONMENTAL

CUSTOMER P.O. | JOB NO. | DELIVERY TICKET NO.

JOB ADDRESS: DUMP

COLLECT ON DELIVERY (C.O.D.) 02821

☐ CASH ☐ CHECK # _____ ☐ CHARGE

CARD # _____ EXP. _____

SPECIAL INSTRUCTIONS: HWY 99 & DASH POINT ROAD

☐ VISA ☐ MASTERCARD ☐ DISCOVER

QUANTITY	U.M.	PRODUCT CODE	DESCRIPTION	TONS	TOTAL TONS	UNIT PRICE	AMOUNT
1	LD	910105	DUMP FEE CLEAN CONC				

RECEIVED
DEC 29 2000
ACCOUNTING

DRIVER	TRUCK NO.	ORDERED BY	REMIT TO	SUB-TOTAL	
	632		9125 10th AVE. S. SEATTLE, WA 98108 TERMS ON REVERSE		
DISPATCHER	TAX CODE	TIME DUE		SALES TAX	
	WA01	6:15am		BALANCE FORWARD	
				TOTAL AMOUNT	

RELEASE – CUSTOMER RELEASES AND AGREES TO HOLD HARMLESS STONEWAY ROCK & RECYCLING, A DIVISION OF GARY MERLINO CONSTRUCTION COMPANY, INC. FOR ANY DAMAGE TO HIS REAL OR PERSONAL PROPERTY CAUSED BY DELIVERY OF MATERIALS LISTED ABOVE. DETAILS ON REVERSE.

CUSTOMER SIGNATURE _____

PRINT NAME Robert Sheehan DATE _____

REV 12/99 NBF

CUSTOMER COPY

32-48697

ROCK & RECYCLING

TENTH AVENUE SOUTH
TTLE, WA 98108 • (206) 762-2566
VER QUARRY
ST. RENTON • (425) 228-1000
A DIVISION OF GARY MERLINO CONSTRUCTION COMPANY, INC.

DELIVERY TICKET

ACCOUNTING (206) 762-2566
SALES/PLANT & ORDER DESK (425) 226-1000
FAX (206) 763-4178

LEAVE PLANT	ARRIVE JOB	LEAVE JOB	ARRIVE PLANT
12/20/00			

CUSTOMER NO.	ORDER NO.	PROJECT	PLANT #
952701			22

CUSTOMER NAME: WEST PAC ENVIRONMENTAL

CUSTOMER P.O. | JOB NO. | DELIVERY TICKET NO.: 028218

JOB ADDRESS: AGG CALL

COLLECT ON DELIVERY (C.O.D.)

☑ CASH ☐ CHECK # _____ ☐ CHARGE

CARD # _____ EXP. ___/___

☐ VISA ☐ MASTERCARD ☐ DISCOVER

SPECIAL INSTRUCTIONS: 29805 PAC HWY SO

JOB # 3248697

QUANTITY	U.M.	PRODUCT CODE	DESCRIPTION	TONS	TOTAL TONS	UNIT PRICE	AMOUNT
86,700	Gross						
34,400	Tare						
52,300	Net	65017	84 - 85 LEDGE ROCK	26.15	26.15		
	TN	70015	ENVIRONMENTAL SURCHAR				

RECEIVED
DEC 29 2000
ACCOUNTING

DRIVER	TRUCK NO.	ORDERED BY
	254	

DISPATCHER	TAX CODE	TIME DUE
	WA01	7:34am

REMIT TO
9125 10th AVE. S.
SEATTLE, WA
98108
TERMS ON REVERSE

SUB-TOTAL	
SALES TAX	
BALANCE FORWARD	
TOTAL AMOUNT	

RELEASE — CUSTOMER RELEASES AND AGREES TO HOLD HARMLESS STONEWAY ROCK & RECYCLING, A DIVISION OF GARY MERLINO CONSTRUCTION COMPANY, INC. FOR ANY DAMAGE TO HIS REAL OR PERSONAL PROPERTY CAUSED BY DELIVERY OF MATERIALS LISTED ABOVE. DETAILS ON REVERSE.

CUSTOMER SIGNATURE _____

PRINT NAME _____ DATE _____

REV 12/99 NBF

CUSTOMER COPY

32-48697

R. W. RHINE

OFFICE: 1124 112th St. East, TACOMA, WASHINGTON 98455
PHONE: (253) 537 5852 FAX: (253) 531 9548
SITE: 1621 Marine View Dr., TACOMA, WASHINGTON *** REPRINT ***
PHONE: (253) 383 4001

BILL TO: EMERALD CONSTRUCTION INC

7343 E MARGINAL WAY S

SEATTLE WA 98108

TICKET # 11187

Date: 12/15/2000
Time In: 09:10
Time Out: 09:13

JOB LOCATION:
TRUCKING COMPANY: EMERALD CONSTRUCTION INC TRUCK # 254
OUTBOUND 1 1/4" MINUS CRUSHED CONCRETE

GROSS	TARE	NET LB	NET TN	UNIT PRICE	AMOUNT
89340	33840	55500	27.750		

TAX @ 8.4% >

NOTICE: The undersigned hereby represents and warrants that the material and items delivered herewith do not contain any hazardous materials, toxic waste or ASBESTOS.

TOTAL DUE _____

Driver's Signature _____

Weighmaster: 123

* Includes applicable city, county, and state fees.

32-48687

RABANCO RECYCLING CO.
A DIVISION OF RABANCO COMPANIES
2733 3rd Avenue South
Seattle, Washington 98134
(206) 623-4080

ET NUMBER 1335775

DATE: 12/21/00
TIME: 16:42

10498 - WEST PAC ENVIRO
EMERALD SERVICES
TRUCK #: 257 DUMP TRUCK PLACE: FEDERAL WAY
PRODUCT: CDL DEMOLITION-KING

	WEIGHT	TIME	DATE	SCALE
GROSS:	31300 LBS	16:38	12/21/00	IN
TARE:	22040 LBS	16:42	12/21/00	OUT

NET LBS:		9260
NET TONS:		4.630
RATE PER TON:	$	84.00
AMOUNT:	$	388.92
TOTAL AMOUNT:	$	388.92

Weighmaster - MATT

X _____
CUSTOMER'S SIGNATURE

* Includes applicable city, county, and state fees.
I HAVE READ AND AGREE TO THE CONDITIONS ON THE REVERSE SIDE.

APPENDIX B

LABORATORY REPORTS

SOIL03-4

teg TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES

CHAIN-OF-CUSTODY RECORD

CLIENT: ATS

ADDRESS: 6347 Seaview Ave. NW, Seattle

PHONE: 206-781-1449 FAX: 206-781-1543

CLIENT PROJECT #: 76.17883.0900 PROJECT MANAGER: Mark Watts

DATE: 11/3/00 PAGE 1 OF 1

PROJECT NAME: Ruth Evans Trust

LOCATION: Federal Way, WA

COLLECTOR: Mark Watts DATE OF COLLECTION 11/2

Sample Number	Depth	Time	Sample Type	Container Type	ANALYSES: VOA 8010/8021B	VOA 8021B BTEX	VOA 8260	SEMI VOL 8270	TPH - HCID	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (d & o)	PAH 8100	PCBs 8082	Pesticides 8081	TOTAL LEAD	pH	NOTES	Total Number of Containers	Laboratory Note Number
1. BS-1	10.5	1128	Soil	402				X												
2. BS-2	10.5	1130	"	"				X												
3. WSW-3	3'	1135	"	"				X												
4. SSW-4	5.5'	1140	"	"				X												
5. ESW-5	9.0'	1150	"	"				X												
6. Stock-6	—	1310	"	"				X										Stockpile Composite		
7.																				
8.																				
9.																				
10.																				
11.																				
12.																				
13.																				
14.																				
15.																				
16.																				
17.																				
18.																				

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
Mark Watts	11/3/00 1420	[illegible]	11/3/00
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	
CHAIN OF CUSTODY SEALS Y/N/NA	
SEALS INTACT? Y/N/NA	
RECEIVED GOOD COND./COLD	
NOTES:	

LABORATORY NOTES:

24 hr

Turn Around Time:

TEG NW SEATTLE CHEMISTRY LABORATORY
(425) 957-9872, fax (425) 957-9904

TEG Job Number:	S01103-4
Client:	ATC
Client Job Name:	RUTH EVANS TRUST
Client Job Number:	76.17883.0902

Analytical Results

NWTPH-HCID, mg/kg		MTH BLK	BS-1	BS-2	WSW-3	SSW-4	ESW-5
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	11/03/00	11/03/00	11/03/00	11/03/00	11/03/00	11/03/00
Date analyzed	Limits	11/03/00	11/03/00	11/03/00	11/03/00	11/03/00	11/03/00
Gasoline	20	nd	nd	nd	nd	nd	nd
Stoddard solvent/Mineral spirits	20	nd	nd	nd	nd	nd	nd
Kensol	20	nd	nd	nd	nd	nd	nd
Kerosene/Jet fuel	20	nd	nd	nd	nd	nd	nd
Diesel/Fuel oil	50	nd	nd	nd	nd	nd	nd
Bunker C	50	nd	nd	nd	nd	nd	nd
Heavy oil	100	nd	nd	nd	nd	nd	nd
Unidentifiable petroleum products	20	nd	nd	nd	nd	nd	nd
Surrogate recoveries:							
Fluorobiphenyl		95%	84%	85%	87%	86%	87%
o-Terphenyl		85%	81%	80%	80%	82%	82%

Data Qualifiers and Analytical Comments

nd - not detected at listed reporting limits
D - detected at or above listed reporting limits
C - coelution with sample peaks
M - matrix interference
J - estimated value
Results reported on dry-weight basis
Acceptable Recovery limits: 65% TO 135%
Acceptable RPD limit: 35%

TEG NW SEATTLE CHEMISTRY LABORATORY
(425) 957-9872, fax (425) 957-9904

TEG Job Number:	S01103-4
Client:	ATC
Client Job Name:	RUTH EVANS TRUST
Client Job Number:	76.17883.0902

Analytical Results

NWTPH-HCID, mg/kg		STOCK-6	DUPL STOCK-6
Matrix	Soil	Soil	Soil
Date extracted	Reporting	11/03/00	11/03/00
Date analyzed	Limits	11/03/00	11/03/00
Gasoline	20	nd	nd
Stoddard solvent/Mineral spirits	20	nd	nd
Kensol	20	nd	nd
Kerosene/Jet fuel	20	nd	nd
Diesel/Fuel oil	50	nd	nd
Bunker C	50	nd	nd
Heavy oil	100	D	D
Unidentifiable petroleum products	20	nd	nd
Surrogate recoveries:			
Fluorobiphenyl		86%	88%
o-Terphenyl		78%	79%

Data Qualifiers and Analytical Comments

nd - not detected at listed reporting limits
D - detected at or above listed reporting limits
C - coelution with sample peaks
M - matrix interference
J - estimated value
Results reported on dry-weight basis
Acceptable Recovery limits: 65% TO 135%
Acceptable RPD limit: 35%

P.03

teg TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES

S01106-2

CHAIN-OF-CUSTODY RECORD

CLIENT: ATC

ADDRESS: 6347 Seaview Ave NW Seattle

PHONE: 206-781-1449 FAX: 206-781-1541

CLIENT PROJECT #: 76-17833.001 PROJECT MANAGER: Mark Watts

DATE: Nov. 6 2000 PAGE 1 OF 1

PROJECT NAME: Federal Way / Beth Evans

LOCATION: 29805 Pac Hi So.

COLLECTOR: Donna Hewitt DATE OF COLLECTION 11/6/00

Sample Number	Depth	Time	Sample Type	Container Type	ANALYSES: VOA 8010/8021B	VOA 8021B BTEX	VOA 8260	SEMI VOL 8270	TPH - HCID	TPH 8015 (gasoline) BTEX	TPH 8015 (diesel)	PAH 8100	PCBs 8082	Pesticides 8081	TOTAL LEAD	pH	NWTPH-DX	RCRA Metals				NOTES	Total Number of Containers	Laboratory Note Number
1. 110600-CS1	0		Soil													X								
2. 110600-CS2	0		"													X								
3. 110600-CS3			"													X						Please Hold		
4. 110600-S12	12'		"						X							X								
5. 110600-B12	12'		"						X			X				X	X					OK to		
6. 110600-S11	11'		"						X							X						run by		
7. 110600-W11	11'		"						X							X						Mike Lewis		
8.																						11/09/00		
9.																						at 10:30		
10.																								
11.																						VG7		
12.																								
13.																								
14.																								
15.																								
16.																								
17.																								
18.																								

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
[signature]	11/6/00 3:20PM	[signature]	11-6-00 3:26
[signature]	11-6-00 3:26	[signature]	11/6/00

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	
CHAIN OF CUSTODY SEALS Y/N/NA	
SEALS INTACT? Y/N/NA	
RECEIVED GOOD COND./COLD	
NOTES:	

LABORATORY NOTES:

Turn Around Time: 2 day

NOV-22-00 01:52P

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES NORTHWEST, INC.

800 Sleater-Kinney SE, PMB #262
Lacey, Washington 98503-1127

Mobile Environmental Laboratories
Environmental Sampling Services

Telephone: 360-459-4670
Fax: 360-459-3432

November 20, 2000

Mark Watts
ATC Associates
6347 Seaview Ave. NW
Seattle, WA 98107

Dear Mr. Watts:

Please find enclosed the analytical data report for the Ruth Evans Trust Project in Federal Way, Washington. Soil samples were analyzed for Diesel and Oil by NWTPH-Dx/Dx Extended, Gasoline by NWTPH-Gx, BTEX by Method 8021B, PCB's by Method 8082, and RCRA 8 Metals on November 6 – 10, & 17, 2000.

The results of these analyses are summarized in the attached tables. All soil values are reported on a dry weight basis. Applicable detection limits and QA/QC data are included. An invoice for this analytical work is also enclosed.

TEG Northwest appreciates the opportunity to have provided analytical services to ATC Associates for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Michael A Korosec

Michael A. Korosec
President

TEG NW SEATTLE CHEMISTRY LABORATORY
(425) 957-9872, fax (425) 957-9904

TEG Job Number:	S01106-2
Client:	ATC
Client Job Name:	FEDERAL WAY
Client Job Number:	76.17833.0901

Analytical Results

8082(PCBs), mg/kg		MTH BLK	LCS	B-12
Matrix	Soil	Soil	Soil	Soil
Date extracted	Reporting	11/10/00	11/10/00	11/10/00
Date analyzed	Limits	11/10/00	11/10/00	11/10/00
A1221	0.50	nd		nd
A1232	0.50	nd		nd
A1242 (A1016)	0.20	nd	85%	nd
A1248	0.20	nd		nd
A1254	0.20	nd		nd
A1260	0.20	nd		nd
Surrogate recoveries:				
Tetrachloro-m-xylene		66%	79%	86%
Decachlorobiphenyl		78%	88%	83%

Data Qualifiers and Analytical Comments

nd - not detected at listed reporting limits
na - not analyzed
C - coelution with sample peaks
M - matrix interference
J - estimated value
Results reported on dry-weight basis
Acceptable Recovery limits: 65% TO 135%
Acceptable RPD limit: 35%

TEG NW SEATTLE CHEMISTRY LABORATORY
(425) 957-9872, fax (425) 957-9904

TEG Job Number:	SD1108-2
Client:	ATC
Client Job Name:	FEDERAL WAY
Client Job Number:	76.17833.0901

Analytical Results				110600	MS 110600	MSD 110600	RPD 110600
NWTPH-Gx / BTEX		**MTH BLK**	**LCS**	**S-11**	**S-11**	**S-11**	**S-11**
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	11/06/00	11/06/00	11/06/00	11/06/00	11/06/00	11/06/00
Date analyzed	Limits	11/06/00	11/06/00	11/06/00	11/06/00	11/06/00	11/06/00
Moisture, %							
NWTPH-Gx, mg/kg							
Mineral spirits/Stoddard solvent	5.0	nd		nd			
Gasoline	5.0	nd		nd			
BTEX , ug/kg							
Benzene	50	nd	76%	nd	79%	72%	9%
Toluene	50	nd	82%	nd	88%	76%	15%
Ethylbenzene	50	nd		nd			
Xylenes	50	nd		nd			
Surrogate recoveries:							
Trifluorotoluene		85%	83%	91%	82%	70%	
Bromofluorobenzene		94%	103%	110%	90%	84%	

Data Qualifiers and Analytical Comments

nd - not detected at listed reporting limits
na - not analyzed
C - coelution with sample peaks
M - matrix interference
J - estimated value
Results reported on dry-weight basis
Acceptable Recovery limits: 65% TO 135%
Acceptable RPD limit: 35%

TEG NW SEATTLE CHEMISTRY LABORATORY
(425) 957-9872, fax (425) 957-9904

TEG Job Number:	S01106-2
Client:	ATC
Client Job Name:	FEDERAL WAY
Client Job Number:	76.17633.0901

Analytical Results		110600	110600	DUP 110600	110600
NWTPH-Gx / BTEX		**S-12**	**W-11**	**W-11**	**B-12**
Matrix	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	11/06/00	11/06/00	11/06/00	11/06/00
Date analyzed	Limits	11/06/00	11/06/00	11/06/00	11/06/00
Moisture, %			15%	15%	15%
NWTPH-Gx, mg/kg					
Mineral spirits/Stoddard solvent	5.0	nd	nd	nd	nd
Gasoline	5.0	nd	nd	8.2	100
BTEX , ug/kg					
Benzene	50	nd	nd	nd	nd
Toluene	50	nd	nd	nd	nd
Ethylbenzene	50	nd	120	120	210
Xylenes	50	nd	120	110	580
Surrogate recoveries:					
Trifluorotoluene		82%	81%	75%	79%
Bromofluorobenzene		88%	93%	91%	106%

Data Qualifiers and Analytical Comments

nd - not detected at listed reporting limits
na - not analyzed
C - coelution with sample peaks
M - matrix interference
J - estimated value
Results reported on dry-weight basis
Acceptable Recovery limits: 65% TO 135%
Acceptable RPD limit: 35%

TEG NW SEATTLE CHEMISTRY LABORATORY
(425) 957-9872, fax (425) 957-9904

TEG Job Number:	S01106-2
Client:	ATC
Client Job Name:	FEDERAL WAY
Client Job Number:	76.17833.0901

Analytical Results		110600	110600	DUPL 110600	RPD 110600
NWTPH-Dx, mg/kg		**W-11**	**B-12**	**B-12**	**B-12**
Matrix	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	11/07/00	11/07/00	11/07/00	11/07/00
Date analyzed	Limits	11/07/00	11/07/00	11/07/00	11/07/00
Moisture, %		15%	15%	15%	
Kerosene/Jet fuel	20	nd	nd	nd	
Diesel/Fuel oil	20	nd	nd	nd	
Heavy oil	50	320	3,000	3,600	15%
Surrogate recoveries:					
Fluorobiphenyl		98%	94%	94%	
o-Terphenyl		87%	89%	83%	

Data Qualifiers and Analytical Comments

nd - not detected at listed reporting limits
na - not analyzed
C - coelution with sample peaks
M - matrix interference
J - estimated value
Results reported on dry-weight basis
Acceptable Recovery limits: 65% TO 135%
Acceptable RPD limit: 35%

TEG NW SEATTLE CHEMISTRY LABORATORY
(425) 957-9872, fax (425) 957-9904

TEG Job Number:	S01106-2
Client:	ATC
Client Job Name:	FEDERAL WAY
Client Job Number:	76.17633.0901

Analytical Results			110600	110600	110600	110600	110600
NWTPH-Dx, mg/kg		**MTH BLK**	**CS1**	**CS2**	**CS3**	**S-11**	**S-12**
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	11/07/00	11/07/00	11/07/00	11/07/00	11/07/00	11/07/00
Date analyzed	Limits	11/07/00	11/07/00	11/07/00	11/07/00	11/07/00	11/07/00
Moisture, %							
Kerosene/Jet fuel	20	nd	nd	nd	nd	nd	nd
Diesel/Fuel oil	20	nd	nd	nd	nd	nd	nd
Heavy oil	50	nd	nd	nd	240	nd	nd
Surrogate recoveries:							
Fluorobiphenyl		94%	96%	95%	97%	96%	96%
o-Terphenyl		89%	89%	91%	88%	90%	89%

Data Qualifiers and Analytical Comments

nd - not detected at listed reporting limits
na - not analyzed
C - coelution with sample peaks
M - matrix interference
J - estimated value
Results reported on dry-weight basis
Acceptable Recovery limits: 65% TO 135%
Acceptable RPD limit: 35%

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES NORTHWEST, INC.

FEDERAL WAY PROJECT
Federal Way, Washington
ATC
Client Project #76.17883.0902

Heavy Metals in Soil by EPA-7000 Series

Sample Number	Date Analyzed	Lead (Pb) EPA 7420 (mg/kg)	Cadmium (Cd) EPA 7130 (mg/kg)	Chromium (Cr) EPA 7190 (mg/kg)	Arsenic (As) EPA 7061 (mg/kg)	Silver (Ag) EPA 7760 (mg/kg)	Barium (Ba) EPA 7080 (mg/kg)	Selenium (Se) EPA 7741 (mg/kg)	Mercury (Hg) EPA 7471 (mg/kg)
Method Blank	11/17/00	nd	nd	nd	nd	nd	nd	nd	nd
B12	11/17/00	nd	nd	nd	nd	nd	nd	nd	nd
Method Detection Limits		5	1	20	5	50	50	50	0.5

"nd" indicates not detected at listed detection limits.

ANALYSES PERFORMED BY: Tim McCall

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES NORTHWEST, INC.

FEDERAL WAY PROJECT
Federal Way, Washington
ATC
Client Project #76.17883.0902

QA/QC Data - Total Metals EPA-7000 Series Analyses

	Sample Number: 001119-7						
	Matrix Spike			Matrix Spike Duplicate			RPD
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	(%)
Lead	250	227	91	250	263	105	14.7
Cadmium	25	24	96	25	25	100	4.08
Chromium	250	251	100	250	267	107	6.18
Arsenic	63	67	106	63	60	95	11.0

	Laboratory Control Sample		
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)
Lead	250	251	100
Cadmium	25	24	96
Chromium	250	277	111
Arsenic	63	59	94

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%
ACCEPTABLE RPD IS 20%

ANALYSES PERFORMED BY: Tim McCall

teg TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES

CHAIN-OF-CUSTODY RECORD

CLIENT: ATC

ADDRESS: 6347 Seaview Ave. NW, Seattle

PHONE: 206-781-0449 FAX: 206-781-1543

CLIENT PROJECT #: 76.1783.090 PROJECT MANAGER: Mark Watts

DATE: 11/10/00 PAGE 1 OF 1

PROJECT NAME: Ruth Evans Trust

LOCATION: Federal Way

COLLECTOR: Donna Hewitt DATE OF COLLECTION 11/10

Sample Number	Depth	Time	Sample Type	Container Type	ANALYSES: VOA 8010/8021B	VOA 8021B BTEX	VOA 8260	SEMI VOL 8270	TPH - HCID	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (d & o)	PAH 8100	PCBs 8082	Pesticides 8081	TOTAL LEAD	pH	NWTPH-Dx	NOTES	Total Number of Containers	Laboratory Note Number
1. WTP-14	14'		Soil	Glass														X			
2. N-11	11'		"	"														X			
3. EastStock	—		"	"				X													
4. WestStock	—		"	"				X													
5.																					
6.																					
7.																					
8.																					
9.																					
10.																					
11.																					
12.																					
13.																					
14.																					
15.																					
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RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
[signature]	11/10/00 4pm	[signature]	11/10 1600
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
[signature]		[signature]	

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	
CHAIN OF CUSTODY SEALS Y/N/NA	
SEALS INTACT? Y/N/NA	
RECEIVED GOOD COND./COLD	
NOTES:	

LABORATORY NOTES:

Turn Around Time: 48 hr

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES NORTHWEST, INC.

800 Sleater-Kinney SE, PMB #262
Lacey, Washington 98503-1127

Mobile Environmental Laboratories
Environmental Sampling Services

Telephone: 360-459-4670
Fax: 360-459-3432

November 20, 2000

Mark Watts
ATC Associates
6347 Seaview Ave. NW
Seattle, WA 98107

Dear Mr. Watts:

Please find enclosed the analytical data report for the Ruth Evans Trust Project in Federal Way, Washington. Soil samples were analyzed for Hydrocarbon Identification by NWTPH-HCID and Diesel and Oil by NWTPH-Dx/Dx Extended on November 14, 2000.

The results of these analyses are summarized in the attached tables. All soil values are reported on a dry weight basis. Applicable detection limits and QA/QC data are included. An invoice for this analytical work is also enclosed.

TEG Northwest appreciates the opportunity to have provided analytical services to ATC Associates for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Michael A. Korosec
President

TEG NW SEATTLE CHEMISTRY LABORATORY
(425) 957-9872, fax (425) 957-9904

TEG Job Number:	S01114-1
Client:	ATC
Client Job Name:	RUTH EVANS TRUST
Client Job Number:	76.17883.0901

Analytical Results

NWTPH-HCID, mg/kg		MTH BLK	EAST STOCK	WEST STOCK
Matrix	Soil	Soil	Soil	Soil
Date extracted	Reporting	11/14/00	11/14/00	11/14/00
Date analyzed	Limits	11/14/00	11/14/00	11/14/00
Gasoline	20	nd	nd	nd
Stoddard solvent/Mineral spirits	20	nd	nd	nd
Kensol	20	nd	nd	nd
Kerosene/Jet fuel	20	nd	nd	nd
Diesel/Fuel oil	50	nd	nd	nd
Bunker C	50	nd	nd	nd
Heavy oil	100	nd	nd	nd
Unidentifiable petroleum products	20	nd	nd	nd
Surrogate recoveries:				
Fluorobiphenyl		95%	95%	94%
o-Terphenyl		90%	92%	91%

Data Qualifiers and Analytical Comments

nd - not detected at listed reporting limits
D - detected at or above listed reporting limits
C - coelution with sample peaks
M - matrix interference
J - estimated value
Results reported on dry-weight basis
Acceptable Recovery limits: 65% TO 135%
Acceptable RPD limit: 35%

TEG NW SEATTLE CHEMISTRY LABORATORY
(425) 957-9872, fax (425) 957-9904

TEG Job Number:	S01114-1
Client:	ATC
Client Job Name:	RUTH EVANS TRUST
Client Job Number:	76.17683.0901

Analytical Results

NWTPH-Dx, mg/kg		MTH BLK	WTP-14	N-11
Matrix	Soil	Soil	Soil	Soil
Date extracted	Reporting	11/14/00	11/14/00	11/14/00
Date analyzed	Limits	11/14/00	11/14/00	11/14/00
Moisture, %				15%
Kerosene/Jet fuel	20	nd	nd	nd
Diesel/Fuel oil	20	nd	nd	nd
Heavy oil	50	nd	nd	3,400
Surrogate recoveries:				
Fluorobiphenyl		95%	95%	92%
o-Terphenyl		90%	90%	85%

Data Qualifiers and Analytical Comments

nd - not detected at listed reporting limits
na - not analyzed
C - coelution with sample peaks
M - matrix interference
J - estimated value
Results reported on dry-weight basis
Acceptable Recovery limits: 65% TO 135%
Acceptable RPD limit: 35%

30, 25-1

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES

CHAIN-OF-CUSTODY RECORD

CLIENT: ATC

ADDRESS:

PHONE: FAX:

CLIENT PROJECT #: PROJECT MANAGER: Mark Watts

DATE: 11/27/00 PAGE 1 OF 1

PROJECT NAME: Ruth Evans Trust

LOCATION: Ruth Evans Trust - Portland, Oregon

COLLECTOR: Dawna Heath DATE OF COLLECTION 11/27/00

Sample Number	Depth	Time	Sample Type	Container Type	ANALYSES: VOA 8010/8021B	VOA 8021B BTEX	VOA 8260	SEMI VOL 8270	TPH - HCID	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (d & o)	PAH 8100	PCBs 8082	Pesticides 8081	TOTAL LEAD	pH	NOTES	Total Number of Containers	Laboratory Note Number
1. 112700-01		1030	Soil								X							NWTPH - Dx	1	
2. 112700-02		11	11					X										NWTPH - HCID	1	
3.																				
4.																				
5.																				
6.																				
7.																				
8.																				
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[signature]	11/27/00	FEDEX [signature]	11/27/00
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SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	
CHAIN OF CUSTODY SEALS Y/N/NA	
SEALS INTACT? Y/N/NA	
RECEIVED GOOD COND./COLD	
NOTES:	

LABORATORY NOTES:

24 HR TAT.

Turn Around Time:

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES NORTHWEST, INC.

800 Sleater-Kinney SE, PMB #262
Lacey, Washington 98503-1127

Mobile Environmental Laboratories
Environmental Sampling Services

Telephone: 360-459-4670
Fax: 360-459-3432

December 6, 2000

Mark Watts
ATC Associates
6347 Seaview Ave. NW
Seattle, WA 98107

Dear Mr. Watts:

Please find enclosed the analytical data report for the Ruth Evans Trust Project in Federal Way, Washington. One soil sample was analyzed for Diesel and Oil by NWTPH-Dx/Dx Extended, Gasoline by NWTPH-Gx and BTEX by Method 8021B on November 27, 2000.

The results of these analyses are summarized in the attached tables. All soil values are reported on a dry weight basis. Applicable detection limits and QA/QC data are included. An invoice for this analytical work is also enclosed.

TEG Northwest appreciates the opportunity to have provided analytical services to ATC Associates for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Michael A. Korosec
President

TEG NW SEATTLE CHEMISTRY LABORATORY
(425) 957-9872, fax (425) 957-9904

TEG Job Number:	S01127-1
Client:	ATC ASSOCIATES
Client Job Name:	RUTH EVANS TRUST
Client Job Number:	0

Analytical Results

NWTPH-Dx, mg/kg		MTH BLK	112700-01
Matrix	Soil	Soil	Soil
Date extracted	Reporting	11/27/00	11/27/00
Date analyzed	Limits	11/27/00	11/27/00
Moisture, %			15%
Kerosene/Jet fuel	20	nd	nd
Diesel/Fuel oil	20	nd	160
Heavy oil	50	nd	nd
Surrogate recoveries:			
Fluorobiphenyl		91%	91%
o-Terphenyl		88%	89%

Data Qualifiers and Analytical Comments

nd - not detected at listed reporting limits
na - not analyzed
C - coelution with sample peaks
M - matrix interference
J - estimated value
Results reported on dry-weight basis
Acceptable Recovery limits: 65% TO 135%
Acceptable RPD limit: 35%

TEG NW SEATTLE CHEMISTRY LABORATORY
(425) 957-9872, fax (425) 957-9904

TEG Job Number:	S01127-1
Client:	ATC ASSOCIATES
Client Job Name:	RUTH EVANS TRUST
Client Job Number:	0

Analytical Results

NWTPH-HCID, mg/kg		MTH BLK	112700-02
Matrix	Soil	Soil	Soil
Date extracted	Reporting	11/27/00	11/27/00
Date analyzed	Limits	11/27/00	11/27/00
Moisture, %			15%
Gasoline	20	nd	nd
Stoddard solvent/Mineral spirits	20	nd	nd
Kensol	20	nd	nd
Kerosene/Jet fuel	20	nd	nd
Diesel/Fuel oil	50	nd	nd
Bunker C	50	nd	nd
Heavy oil	100	nd	D
Unidentifiable petroleum products	20	nd	nd
Surrogate recoveries:			
Fluorobiphenyl		91%	90%
o-Terphenyl		68%	87%

Data Qualifiers and Analytical Comments

nd - not detected at listed reporting limits
D - detected at or above listed reporting limits
C - coelution with sample peaks
M - matrix interference
J - estimated value
Results reported on dry-weight basis
Acceptable Recovery limits: 65% TO 135%
Acceptable RPD limit: 35%

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES NORTHWEST, INC.

800 Sleater-Kinney SE, PMB #262
Lacey, Washington 98503-1127

Mobile Environmental Laboratories
Environmental Sampling Services

Telephone: 360-459-4670
Fax: 360-459-3432

December 14, 2000

Mark Watts
ATC Associates
6347 Seaview Ave. NW
Seattle, WA 98107

Dear Mr. Watts:

Please find enclosed the analytical data report for the Ruth Evans Trust Project in Federal Way, Washington. One soil sample was analyzed for Diesel and Oil by NWTPH-Dx/Dx Extended on November 27, 2000.

The results of these analyses are summarized in the attached tables. All soil values are reported on a dry weight basis. Applicable detection limits and QA/QC data are included. An invoice for this analytical work is also enclosed.

TEG Northwest appreciates the opportunity to have provided analytical services to ATC Associates for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Sherry L. Chilcutt
Vice President

TEG NW SEATTLE CHEMISTRY LABORATORY
(425) 957-9872, fax (425) 957-9904

TEG Job Number:	501127-1
Client:	ATC ASSOCIATES
Client Job Name:	RUTH EVANS TRUST
Client Job Number:	NA
Printed:	12/14/00 12:24

Analytical Results

NWTPH-Dx, mg/kg		MTH BLK	112700-01	112700-02
Matrix	Soil	Soil	Soil	Soil
Date extracted	Reporting	11/27/00	11/27/00	11/27/00
Date analyzed	Limits	11/27/00	11/27/00	11/27/00
Moisture, %			15%	15%
Kerosene/Jet fuel	20	nd	nd	nd
Diesel/Fuel oil	20	nd	160	nd
Heavy oil	50	nd	nd	480
Surrogate recoveries:				
Fluorobiphenyl		91%	91%	89%
o-Terphenyl		88%	89%	87%

Data Qualifiers and Analytical Comments

nd - not detected at listed reporting limits
na - not analyzed
C - coelution with sample peaks
M - matrix interference
J - estimated value
Results reported on dry-weight basis
Acceptable Recovery limits: 65% TO 135%
Acceptable RPD limit: 35%

teg TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES

Sw1so-b

CHAIN-OF-CUSTODY RECORD

CLIENT: ATC Associates Inc F 98107
ADDRESS: 6347 Seaview Ave N.W Seattle WA
PHONE: 206-781-1949 FAX: 206-781-1543
CLIENT PROJECT #: 76.178.33.090 PROJECT MANAGER: Mark Watts

DATE: 11/29/00 PAGE 1 OF 1
PROJECT NAME: Ruth Evans Trust
LOCATION: Federal Way, WA
COLLECTOR: Donna Hewitt DATE OF COLLECTION 11/29/00

Sample Number	Depth	Time	Sample Type	Container Type	ANALYSES: VOA 8010/60216	VOA 8021B BTEX	VOA 8260	SEMI VOL 8270	TPH - HCID	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (d & o)	PAH 8100	PCBs 8082	Pesticides 8081	TOTAL LEAD	pH	NWTPH-Dx	NOTES	Total Number of Containers	Laboratory Note Number
1. 112900-TP1-B	13'																	X			
2. 112900-TP2-4	4'																	X			
3. 112900-TP2-13	13'																	X			
4.																					
5.																					
6.																					
7.																					
8.			Ruth Evans Trust																		
9.																					
10.																					
11.																					
12.																					
13.																					
14.																					
15.																					
16.																					
17.																					
18.																					

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
Donna Hewitt	11/29/00 4:30 pm	Michael Martin	11/29/00 4:20 pm
Michael Martin	11-30-00 9:30 am	Michael Cin	11/30/00

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	
CHAIN OF CUSTODY SEALS Y/N/NA	
SEALS INTACT? Y/N/NA	
RECEIVED GOOD COND./COLD	
NOTES:	

LABORATORY NOTES:

RUSH
24HR

Turn Around Time:

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES NORTHWEST, INC.

800 Sleater-Kinney SE, PMB #262
Lacey, Washington 98503-1127

Mobile Environmental Laboratories
Environmental Sampling Services

Telephone: 360-459-4670
Fax: 360-459-3432

December 14, 2000

Mark Watts
ATC Associates
6347 Seaview Ave. NW
Seattle, WA 98107

Dear Mr. Watts:

Please find enclosed the analytical data report for the Ruth Evans Trust Project in Federal Way, Washington. Soil samples were analyzed for Diesel and Oil by NWTPH-Dx/Dx Extended on November 30, 2000.

The results of these analyses are summarized in the attached tables. All soil values are reported on a dry weight basis. Applicable detection limits and QA/QC data are included. An invoice for this analytical work is also enclosed.

TEG Northwest appreciates the opportunity to have provided analytical services to ATC Associates for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Sherry L. Chilcutt
Vice President

TEG NW SEATTLE CHEMISTRY LABORATORY
(425) 957-9872, fax (425) 957-9904

TEG Job Number:	S01130-6
Client:	ATC ASSOCIATES
Client Job Name:	RUTH EVENS TRUST
Client Job Number:	76.17833.0901

Analytical Results

NWTPH-Dx, mg/kg		MTH BLK	112900-TP1-13	112900-TP2-4
Matrix	Soil	Soil	Soil	Soil
Date extracted	Reporting	11/30/00	11/30/00	11/30/00
Date analyzed	Limits	11/30/00	11/30/00	11/30/00
Moisture, %			15%	
Kerosene/Jet fuel	20	nd	nd	nd
Diesel/Fuel oil	20	nd	nd	nd
Heavy oil	50	nd	800	nd
Surrogate recoveries:				
Fluorobiphenyl		91%	89%	89%
o-Terphenyl		87%	86%	86%

Data Qualifiers and Analytical Comments

nd - not detected at listed reporting limits
na - not analyzed
C - coelution with sample peaks
M - matrix interference
J - estimated value
Results reported on dry-weight basis
Acceptable Recovery limits: 65% TO 135%
Acceptable RPD limit: 35%

TEG NW SEATTLE CHEMISTRY LABORATORY
(425) 957-9872, fax (425) 957-9904

TEG Job Number:	S01130-6
Client:	ATC ASSOCIATES
Client Job Name:	RUTH EVENS TRUST
Client Job Number:	76.17833.0901

Analytical Results

NWTPH-Dx, mg/kg		112900-TP2-13
Matrix	Soil	Soil
Date extracted	Reporting	11/30/00
Date analyzed	Limits	11/30/00
Moisture, %		
Kerosene/Jet fuel	20	nd
Diesel/Fuel oil	20	nd
Heavy oil	50	nd
Surrogate recoveries:		
Fluorobiphenyl		88%
o-Terphenyl		89%

Data Qualifiers and Analytical Comments

nd - not detected at listed reporting limits
na - not analyzed
C - coelution with sample peaks
M - matrix interference
J - estimated value
Results reported on dry-weight basis
Acceptable Recovery limits: 65% TO 135%
Acceptable RPD limit: 35%

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES

S0121-3

CHAIN-OF-CUSTODY RECORD

CLIENT: ATC

ADDRESS:

PHONE: FAX:

CLIENT PROJECT #: 96.17883.0902 PROJECT MANAGER: Mark Watson

DATE: 12/15/00 PAGE 1 OF 1

PROJECT NAME: Ruth Evans Trust

LOCATION: Federal Way

COLLECTOR: Donna Heath DATE OF COLLECTION 12/14/00

Sample Number	Depth	Time	Sample Type	Container Type	ANALYSES: VOA 8010/8021B	VOA 8021B BTEX	VOA 8260	SEMI VOL 8270	TPH - HCID	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (d & o)	PAH 8100	PCBs 8082	Pesticides 8081	TOTAL LEAD	pH	NOTES	Total Number of Containers	Laboratory Note Number
1. 121400-01	15'		Soil					X												
2. 121400-02	15'							X												
3. 121400-03	16'							X												
4. 121500-04	16'							X												
5. 121500-05	16'							X												
6. 121500-06	15'							X												
7. 121500-07	15'							X												
8. 121500-08	14'		↓					X												
9.																				
10.																		HOLD (WITH Verbal		
11.																				
12.																		TO PROCEED		
13.																				
14.																				
15.																		ATC		
16.																				
17.																				
18.																				

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
Monica Heath	12/15/00 9AM	Olivera	12/15/00
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	
CHAIN OF CUSTODY SEALS Y/N/NA	
SEALS INTACT? Y/N/NA	
RECEIVED GOOD COND./COLD	
NOTES:	

LABORATORY NOTES:

RUSH

24 HR (50%)

Turn Around Time:

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES NORTHWEST, INC.

800 Sleater-Kinney SE, PMB #262
Lacey, Washington 98503-1127

Mobile Environmental Laboratories
Environmental Sampling Services

Telephone: 360-459-4670
Fax: 360-459-3432

January 4, 2001

Mark Watts
ATC Associates
6347 Seaview Ave. NW
Seattle, WA 98107

Dear Mr. Watts:

Please find enclosed the analytical data report for the Ruth Evans Trust Project in Federal Way, Washington. Soil sample was analyzed for Hydrocarbon Identification by NWTPH-HCID and Diesel and Oil by NWTPH-Dx/Dx Extended on December 15, 2000.

The results of these analyses are summarized in the attached tables. All soil values are reported on a dry weight basis. Applicable detection limits and QA/QC data are included. An invoice for this analytical work is also enclosed.

TEG Northwest appreciates the opportunity to have provided analytical services to ATC Associates for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Michael A. Korosec
President

TEG NW SEATTLE CHEMISTRY LABORATORY
(425) 957-9872, fax (425) 957-9904

TEG Job Number:	S01215-3
Client:	ATC
Client Job Name:	RUTH EVANS TRUST
Client Job Number:	76.17883.0902

Analytical Results			121400	121400	121400	121400	121400
NWTPH-HCID, mg/kg		MTH BLK	01	02	03	04	05
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	12/15/00	12/15/00	12/15/00	12/15/00	12/15/00	12/15/00
Date analyzed	Limits	12/16/00	12/15/00	12/15/00	12/15/00	12/15/00	12/15/00
Gasoline	20	nd	nd	nd	nd	nd	nd
Stoddard solvent/Mineral spirits	20	nd	nd	nd	nd	nd	nd
Kensol	20	nd	nd	nd	nd	nd	nd
Kerosene/Jet fuel	20	nd	nd	nd	nd	nd	nd
Diesel/Fuel oil	50	nd	nd	nd	D	nd	nd
Bunker C	50	nd	nd	nd	nd	nd	nd
Heavy oil	100	nd	nd	nd	D	nd	nd
Unidentifiable petroleum products	20	nd	nd	nd	nd	nd	nd
Surrogate recoveries:							
Fluorobiphenyl		100%	104%	103%	104%	100%	87%
o-Terphenyl		100%	99%	98%	104%	101%	84%

Data Qualifiers and Analytical Comments

nd - not detected at listed reporting limits
D - detected at or above listed reporting limits
C - coelution with sample peaks
M - matrix interference
J - estimated value
Results reported on dry-weight basis
Acceptable Recovery limits: 65% TO 135%
Acceptable RPD limit: 35%

TEG NW SEATTLE CHEMISTRY LABORATORY
(425) 957-9872, fax (425) 957-9904

TEG Job Number:	S01215-3
Client:	ATC
Client Job Name:	RUTH EVANS TRUST
Client Job Number:	76.17883.0902

Analytical Results		121400	DUPL 121400	121400	121400
NWTPH-HCID, mg/kg		06	06	07	08
Matrix	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	12/15/00	12/15/00	12/15/00	12/15/00
Date analyzed	Limits	12/15/00	12/15/00	12/15/00	12/15/00
Gasoline	20	nd	nd	nd	nd
Stoddard solvent/Mineral spirits	20	nd	nd	nd	nd
Kensol	20	nd	nd	nd	nd
Kerosene/Jet fuel	20	nd	nd	nd	nd
Diesel/Fuel oil	50	nd	nd	nd	nd
Bunker C	50	nd	nd	nd	nd
Heavy oil	100	nd	nd	nd	nd
Unidentifiable petroleum products	20	nd	nd	nd	nd
Surrogate recoveries:					
Fluorobiphenyl		88%	87%	87%	87%
o-Terphenyl		86%	85%	86%	84%

Data Qualifiers and Analytical Comments

nd - not detected at listed reporting limits
D - detected at or above listed reporting limits
C - coelution with sample peaks
M - matrix interference
J - estimated value
Results reported on dry-weight basis
Acceptable Recovery limits: 65% TO 135%
Acceptable RPD limit: 35%

TEG NW SEATTLE CHEMISTRY LABORATORY
(425) 957-9872, fax (425) 957-9904

TEG Job Number:	S01215-3
Client:	ATC
Client Job Name:	RUTH EVANS TRUST
Client Job Number:	76.17663.0902

Analytical Results			121400
NWTPH-Dx, mg/kg		MTH BLK	03
Matrix	Soil	Soil	Soil
Date extracted	Reporting	12/16/00	12/15/00
Date analyzed	Limits	12/15/00	12/15/00
Moisture, %			15%
Kerosene/Jet fuel	20	nd	nd
Diesel/Fuel oil	20	nd	90
Heavy oil	50	nd	160
Surrogate recoveries:			
Fluorobiphenyl		100%	104%
o-Terphenyl		100%	104%

Data Qualifiers and Analytical Comments

nd - not detected at listed reporting limits
na - not analyzed
C - coelution with sample peaks
M - matrix interference
J - estimated value
Results reported on dry-weight basis
Acceptable Recovery limits: 65% TO 135%
Acceptable RPD limit: 35%

APPENDIX C

SITE PHOTOGRAPHS

Photo 1: A view looking north of the northeast corner of the site prior to the UST excavation.

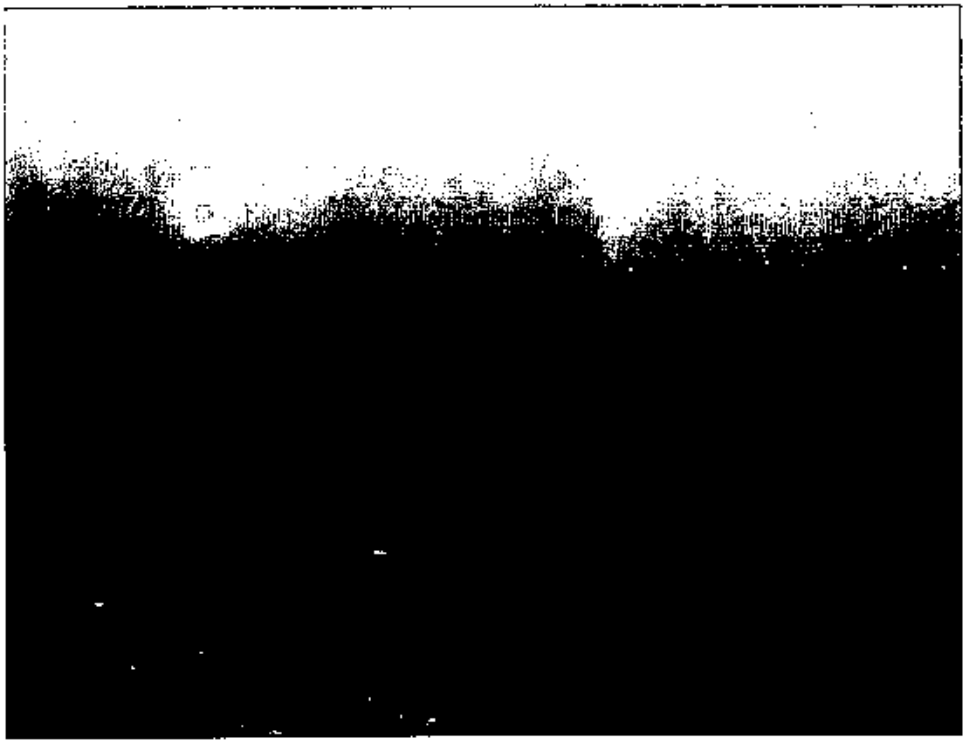


Photo 2: A view the UST excavation after backfilling and compaction.

VATC ASSOCIATES INC.
Solutions For Environmental Concerns

PROJECT NO.:76.17883.0902		
DRAWN BY:	MW	FILE: 0902Photos 1-2.VSD
CHECKED BY:	MW	DATE : 2/7/01

SITE PHOTOGRAPHS

UNDERGROUND STORAGE TANK SITE ASSESSMENT
RUTH EVANS TRUST
29805 PACIFIC HIGHWAY SOUTH
FEDERAL WAY, WASHINGTON

Photo 3: A view of the approximate location where USTs designated T1 and T2 were removed. Note the presence of the foundation wall on the right.

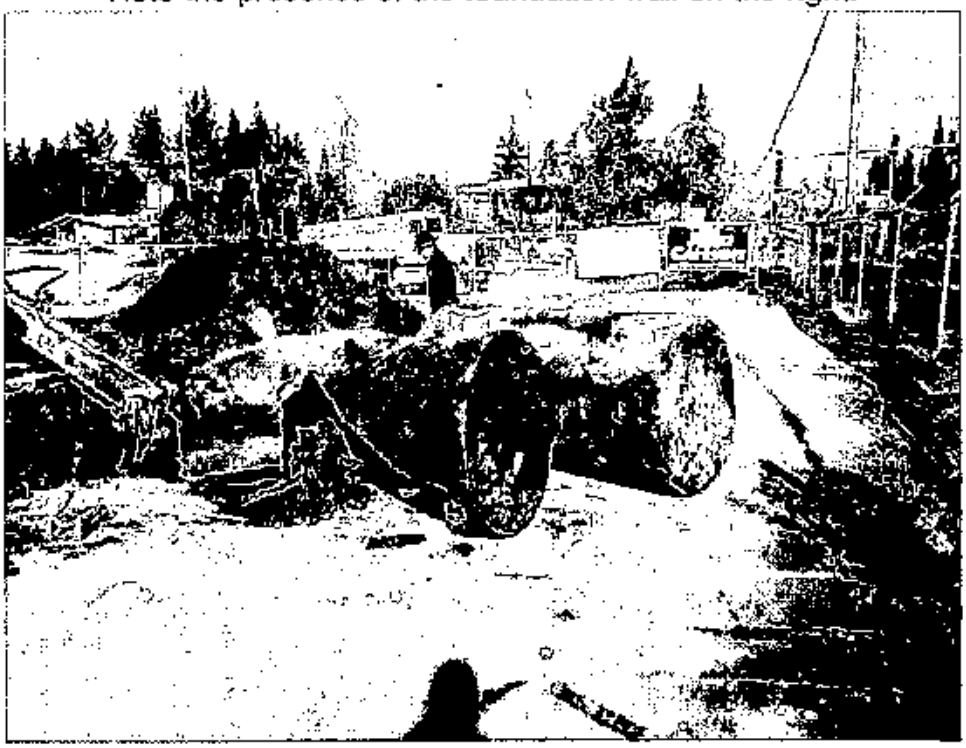


Photo 4: A view looking north of USTs T1 and T2 on November 3, 2000.

ATC ASSOCIATES INC.
Solutions For Environmental Concerns

PROJECT NO.:76.17883.0902	
DRAWN BY: MW	FILE: 0902Photos 3-4.VSD
CHECKED BY: MW	DATE : 2/7/01

SITE PHOTOGRAPHS

UNDERGROUND STORAGE TANK SITE ASSESSMENT
RUTH EVANS TRUST
29805 PACIFIC HIGHWAY SOUTH
FEDERAL WAY, WASHINGTON

Photo 5: A view of the UST-T3. Photograph taken on November 6, 2000.

Photo 6: A view looking west of the area below the former location of UST - T3.

ATC ASSOCIATES INC. Solutions For Environmental Concerns	**SITE PHOTOGRAPHS**
PROJECT NO.:76.17883.0902	**UNDERGROUND STORAGE TANK SITE ASSESSMENT**
DRAWN BY: MW / FILE: 0902Photos 5-6.VSD	**RUTH EVANS TRUST**
CHECKED BY: MW / DATE : 2/7/01	**29805 PACIFIC HIGHWAY SOUTH**
	FEDERAL WAY, WASHINGTON

Appendix D

APPENDIX D

WASHINGTON DEPARTMENT OF ECOLOGY –
UST SITE ASSESSMENT CHECKLIST

UNDERGROUND STORAGE TANK TEMPORARY/PERMANENT CLOSURE and SITE ASSESSMENT NOTICE

WASHINGTON STATE DEPARTMENT OF ECOLOGY

See back of form for instructions
Please ☑ the appropriate box(es)
Please type or print information

For Office Use Only
Owner #
Site #

☐ Temporary Tank Closure ☒ Permanent Tank Closure ☐ Change-In-Service ☒ Site Assessment/ Site Check

SITE INFORMATION:

Site ID Number (on invoice or available from Ecology if the tanks are registered):

Site/Business Name:

Site Address: 29805 PACIFIC HIGHWAY SO. (Street) Telephone: ( )

FEDERAL WAY (City) WA (State) 98003 (ZIP Code)

TANK INFORMATION:

Tank ID	Closure Date	Tank Capacity	Substance Stored
T1	11/3/2000	750 gal	gas
T2	11/3/2000	750 gal	gas
T3	11/6/2000	750 gal	gas
	tank could have contained diesel		
	but is unknown		

CONTAMINATION PRESENT AT THE TIME OF CLOSURE

☒ Yes ☐ No ☐ Unknown

Check unknown if no obvious contamination was observed and sample results have not yet been received from analytical lab.

UST SYSTEM OWNER/OPERATOR:

UST Owner/Operator:

Owners Signature: Telephone: ( )

Address: (Street) (P.O. Box)

(City) (State) (ZIP Code)

TANK CLOSURE/CHANGE-IN-SERVICE PERFORMED BY:

Service Provider: EMERALD SERVICES License Number:

Licensed Supervisor: Decommissioning License Number:

Supervisors Signature:

Address: 7343 E. MARGINAL WAY SO. (Street) (P.O. Box)

Seattle (City) WA (State) 98108 (ZIP Code)

Telephone: (206) 832-3000

SITE CHECK/SITE ASSESSMENT CONDUCTED BY:

Name of Registered Site Assessor: MARK WATTS AND DONNA HEWITT

Telephone: (206) 781-1449

Address: 6347 Seaview Avenue NW (Street)

Seattle (City) WA (State) 98107 (ZIP Code) (P.O. Box)

ECY 020-34

UNDERGROUND STORAGE TANK
Site Check/Site Assessment Checklist

For Office Use Only	
Owner #	
Site #	

INSTRUCTIONS:

When a release has **not** been confirmed and reported, this Site Check/Site Assessment Checklist must be completed and signed by a person registered with the Department of Ecology. **The results of the site check or site assessment must be included with this checklist.** This form must be submitted to Ecology at the address shown below within 30 days after completion of the site check/site assessment.

SITE INFORMATION: Include the Ecology site ID number if the tanks are registered with Ecology. This number may be found on the tank owner's invoice or tank permit.

TANK INFORMATION: Please list all the tanks for which the site check and site assessment is being conducted. Use the tank ID number if available, and indicate tank capacity and substance stored.

REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT: Please check the appropriate item.

CHECKLIST: Please initial each item in the appropriate box.

SITE ASSESSOR INFORMATION: This form must be signed by the registered site assessor who is responsible for conducting the site check/ site assessment.

Underground Storage Tank Section
Department of Ecology
P. O. Box 47655
Olympia, WA 98504-7655

SITE INFORMATION

Site ID Number (on invoice or available from Ecology if the tanks are registered): _____

Site/Business Name: _____

Site Address: 29805 Pac Hi So (Street) Telephone: (___) —0

FEDERAL WAY (City) WA (State) 98003 (ZIP-Code)

TANK INFORMATION

Tank ID No.	Tank Capacity	Substance Stored
T1		
T2		
T3		

REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT

Check one:

- ____ Investigate suspected release due to on-site environmental contamination.
- ____ Investigate suspected release due to off-site environmental contamination.
- ____ Extend temporary closure of UST system for more than 12 months.
- ____ UST system undergoing change-in-service.
- ____ UST system permanently closed-in-place.
- XXX UST system permanently closed with tank removed.
- ____ Abandoned tank containing product.
- ____ Required by Ecology or delegated agency for UST system closed before 12/22/88.
- ____ Other (describe): _____

TANK 1

CHECKLIST

Each item of the following checklist shall be initialed by the person registered with the Department of Ecology whose signature appears below.

		YES	NO
1.	The location of the UST site is shown on the vicinity map.	MW	
2.	A brief summary of information obtained during the site inspection is provided. (see Section 3.2 in the Site Assessment Guidance)	MW	
3.	A summary of UST system data is provided. (see Section 3.1)	MW	
4.	The soils characteristics at the UST site are described. (see Section 5.2)	MW	
5.	Is there apparent groundwater in the tank excavation?		MW
6.	A brief description of the surrounding land is provided. (see Section 3.1)	MW	
7.	Information has been provided indicating the number and types of samples collected, methods used to collect and analyze the samples, and the name and address of the laboratory used to perform the analyses.	MW	
8.	A sketch or sketches showing the following items is provided:		
	- location and ID number for all field samples collected	MW	
	- groundwater samples distinguished from soil samples (if applicable)	MW	
	- samples collected from stockpiled excavated soil	MW	
	- tank and piping locations and limits of excavation pit	MW	
	- adjacent structures and streets	MW	
	- approximate locations of any on-site and nearby utilities	MW	
9.	If sampling procedures different from those specified in the guidance were used, has justification for using these alternative sampling procedures been provided? (see Section 3.4)	MW	
10.	A table is provided showing laboratory results for each sample collected including: sample ID number, constituents analyzed for and corresponding concentration, analytical method and detection limit for that method.	MW	
11.	Any factors that may have compromised the quality of the data or validity of the results are described.	MW	
12.	*The results of this site check/site assessment indicate that a confirmed release of regulated substance has occured.*		MW

SITE ASSESSOR INFORMATION

MARK WATTS (IFCI # 42954) DATE

PERSON REGISTERED WITH ECOLOGY — FIRM AFFILIATED WITH

BUSINESS ADDRESS: 6347 Seaview Ave NW — TELEPHONE: (206) 781-1449

Seattle — WA — 98107

CITY — STATE — ZIP+CODE

I hereby certify that I have been in responsible charge of performing the site check/site assessment described above. Persons submitting false information are subject to penalties under Chapter 173-360 WAC.

1/02/01

Date

Mark Watts

Signature of Person Registered with Ecology

TANK 2

CHECKLIST

Each item of the following checklist shall be initialed by the person registered with the Department of Ecology whose signature appears below.

		YES	NO
1.	The location of the UST site is shown on the vicinity map.	MW	
2.	A brief summary of information obtained during the site inspection is provided. (see Section 3.2 in the Site Assessment Guidance)	MW	
3.	A summary of UST system data is provided. (see Section 3.1)	MW	
4.	The soils characteristics at the UST site are described. (see Section 5.2)	MW	
5.	Is there apparent groundwater in the tank excavation?		MW
6.	A brief description of the surrounding land is provided. (see Section 3.1)	MW	
7.	Information has been provided indicating the number and types of samples collected, methods used to collect and analyze the samples, and the name and address of the laboratory used to perform the analyses.	MW	
8.	A sketch or sketches showing the following items is provided:		
	- location and ID number for all field samples collected	MW	
	- groundwater samples distinguished from soil samples (if applicable)	MW	
	- samples collected from stockpiled excavated soil	MW	
	- tank and piping locations and limits of excavation pit	MW	
	- adjacent structures and streets	MW	
	- approximate locations of any on-site and nearby utilities	MW	
9.	If sampling procedures different from those specified in the guidance were used, has justification for using these alternative sampling procedures been provided? (see Section 3.4)	MW	
10.	A table is provided showing laboratory results for each sample collected including: sample ID number, constituents analyzed for and corresponding concentration, analytical method and detection limit for that method.	MW	
11.	Any factors that may have compromised the quality of the data or validity of the results are described.	MW	
12.	*The results of this site check/site assessment indicate that a confirmed release of regulated substance has occured.*		MW

SITE ASSESSOR INFORMATION

MARK WATTS (IFCI # 92954) / ATC

PERSON REGISTERED WITH ECOLOGY / FIRM AFFILIATED WITH

BUSINESS ADDRESS: 6347 Seaview Ave NW TELEPHONE: (206) 781-1449

Seattle, WA 98107

CITY / STATE / ZIP+CODE

I hereby certify that I have been in responsible charge of performing the site check / site assessment described above. Persons submitting false information are subject to penalties under Chapter 173-360 WAC.

1/02/08

Date

Signature of Person Registered with Ecology

TANK 3

CHECKLIST

Each item of the following checklist shall be initialed by the person registered with the Department of Ecology whose signature appears below.

		YES	NO
1.	The location of the UST site is shown on the vicinity map.	DH	
2.	A brief summary of information obtained during the site inspection is provided. (see Section 3.2 in the Site Assessment Guidance)	DH	
3.	A summary of UST system data is provided. (see Section 3.1)	DH	
4.	The soils characteristics at the UST site are described. (see Section 5.2)	DH	
5.	Is there apparent groundwater in the tank excavation? Perched Seasonal	DH	
6.	A brief description of the surrounding land is provided. (see Section 3.1)	DH	
7.	Information has been provided indicating the number and types of samples collected, methods used to collect and analyze the samples, and the name and address of the laboratory used to perform the analyses.	DH	
8.	A sketch or sketches showing the following items is provided:		
	- location and ID number for all field samples collected	DH	
	- groundwater samples distinguished from soil samples (if applicable)	DH	
	- samples collected from stockpiled excavated soil	DH	
	- tank and piping locations and limits of excavation pit	DH	
	- adjacent structures and streets	DH	
	- approximate locations of any on-site and nearby utilities	DH	
9.	If sampling procedures different from those specified in the guidance were used, has justification for using these alternative sampling procedures been provided? (see Section 3.4)	DH	
10.	A table is provided showing laboratory results for each sample collected including: sample ID number, constituents analyzed for and corresponding concentration, analytical method and detection limit for that method.	DH	
11.	Any factors that may have compromised the quality of the data or validity of the results are described.	DH	
12.	*The results of this site check/site assessment indicate that a confirmed release of regulated substance has occured.*	DH	

SITE ASSESSOR INFORMATION

DONNA HEWITT (IFC # 10447 16-24) ATC

PERSON REGISTERED WITH ECOLOGY — FIRM AFFILIATED WITH

BUSINESS ADDRESS: 6347 Seaview Avenue NW TELEPHONE: (206) 781-1449

Seattle WA 98107

CITY — STATE — ZIP+CODE

I hereby certify that I have been in responsible charge of performing the site check/site assessment described above. Persons submitting false information are subject to penalties under Chapter 173-360 WAC.

12/29/00

Date

Donna Hewitt

Signature of Person Registered with Ecology

#4709 Rental mart King Co / Fed Way

Underground Storage Tank Removal

Site Assessment /Site Characterization

Gasoline Tank and Dispenser
DOE ID # 006523

NW Unknown when UST/obs received report. CR

RECEIVED
JUL 27 1994
DEPT. OF ECOLOGY

Location: Federal Way Rental Mart
29805 Pacific Hwy S
Federal Way, WA 98003

Owner: Bank of California
PO Box 3123
Seattle, WA 98114
Attn: Jan Dimick

Contractor: O'Sullivan Environmental Services
3214 16th Avenue SW
Seattle, WA 98134

Site Assessor: Robert F. Simons
Robert F. Simons
Site Assessor
Nowicki & Associates Inc.
33516 9th Ave S
Federal Way, WA 98003

DEPARTMENT OF ECOLOGY
NWRO/TCP TANKS UNIT
INTERIM CLEANUP REPORT
SITE CHARACTERIZATON
FINAL CLEANUP REPORT
OTHER
AFFECTED MEDIA: SOIL
OTHER GW
INSPECTOR (INIT.) DATE 9-21-94

Excutive Summary

One approximately 5000 gallon gasoline storage tank and dispenser were removed on 2/9/93 from the Federal Way Rental Mart Site. Contamination was found on top of the tank and on the west side of the tank. Tank and contamination were removed on the afternoon of 2/9/93. Lab analysis done on samples taken at the end of the day showed soils at the site to be below Model Toxic Control Act (MTCA) standards for a clean site. Fifty yards of soil was stored next to the excavation site and lab analysis showed this soil to be contaminated. Lead analysis on stockpiled soil showed lead levels to be below MTCA cleanup levels.

Site History and Uses

Light commercial uses are prevelant along Pacifice Highway. A junior high school is located directly behind the property. A warehouse shop is found to the south of Rental Mart. Accross the street to the east and up an

RECEIVED
JUL 27 1994
DEPT. OF ECOLOGY

Independent Action Report Update

Site Name: Rental Mart

Inc. #: 4709 Date of Report: undated

County: King Date Report Rec'd: 7-27-94

Reviewed by: J. Hickey

Comments (please include: free prod., tank info., media, contaminant migration, GW conc. trends, PCS treated/fate?):

1- 5K gallon gasoline tank was removed 2-9-93 and 80 yds^3 of PCS was over-excavated successfully, according to the report. No groundwater was reported to have been encountered. The PCS was treated on-site, then taken away to the Rabanco Transfer station with soils from the later tank removal and cleanup (already in file).

the MTCA cleanup level of 250 PPM.

No groundwater was encountered during excavation.

Approximately 50 yards of stockpiled soil was placed on 6 mil plastic and the pile covered with 6 mil plastic at the end of the work day.

Closure of this site is recommended.

Sample Log

UST Removal - Gasoline

Federal Way Rental Mart

Date Sampled: 2/9/93

Sampler: Robert F. Simons

#	Location	Lab Results
01	Bottom Center of tank	<20
02	East wall of Excavation	<20
03	North wall of excavation	<20
04	Pump island soil from stockpile	1050 PPM
05	West wall at end of day	<20
06	Stockpile, west end	203 PPM
07	Stockpile, east side	43.3 PPM
08	Stockpile, north side	955 PPM
	Lead	73 PPM

Robert F. Simons

Robert F. Simons
Site Assesser
Nowicki & Associates Inc.

SPECTRA Laboratories, Inc.

CHAIN of CUSTODY

DATE 2/9

PAGE 1 OF 1

2221 Ross Way * Tacoma, WA 98421 * (206) 272-4850 * FAX (206) 572-9838

LABORATORY ANALYSES REQUEST

CLIENT: Nowicki

PROJECT: FD Retail Mart

CONTACT: Bob Simons

PHONE #: 927-5233

PURCHASE ORDER #:

SAMPLE ID	DATE	TIME	MATRIX
01	2/9	5:09	
02			
03			
04			
05			
06			
07			
08			

624/ 8240 VOLATILES	625/ 8270 SEMI-VOLATILE	8240 CHLOR. SOLVENTS	8240 BTEX	602/ 8020 BTEX	418.1 TPH	WTPH-HCID	WTPH-G	WTPH-D	8015 Mod. TPH	LEAD 7421 (WATER)	LEAD 6010 (SOIL)	pH 150.1	TOX 9020/ 9076	METALS 6010/ AES-0029	METALS AA/FURNACE	METALS (8) (TCLP)	8240 VOL (TCLP)	8270 SEMI-VOL (TCLP)	8270 PEST. (6) (TCLP)	8270 HERB. (2) (TCLP)						NORMAL TURNAROUND	RUSH

RETURN

DISPOSE

Fee applies

LAB ID

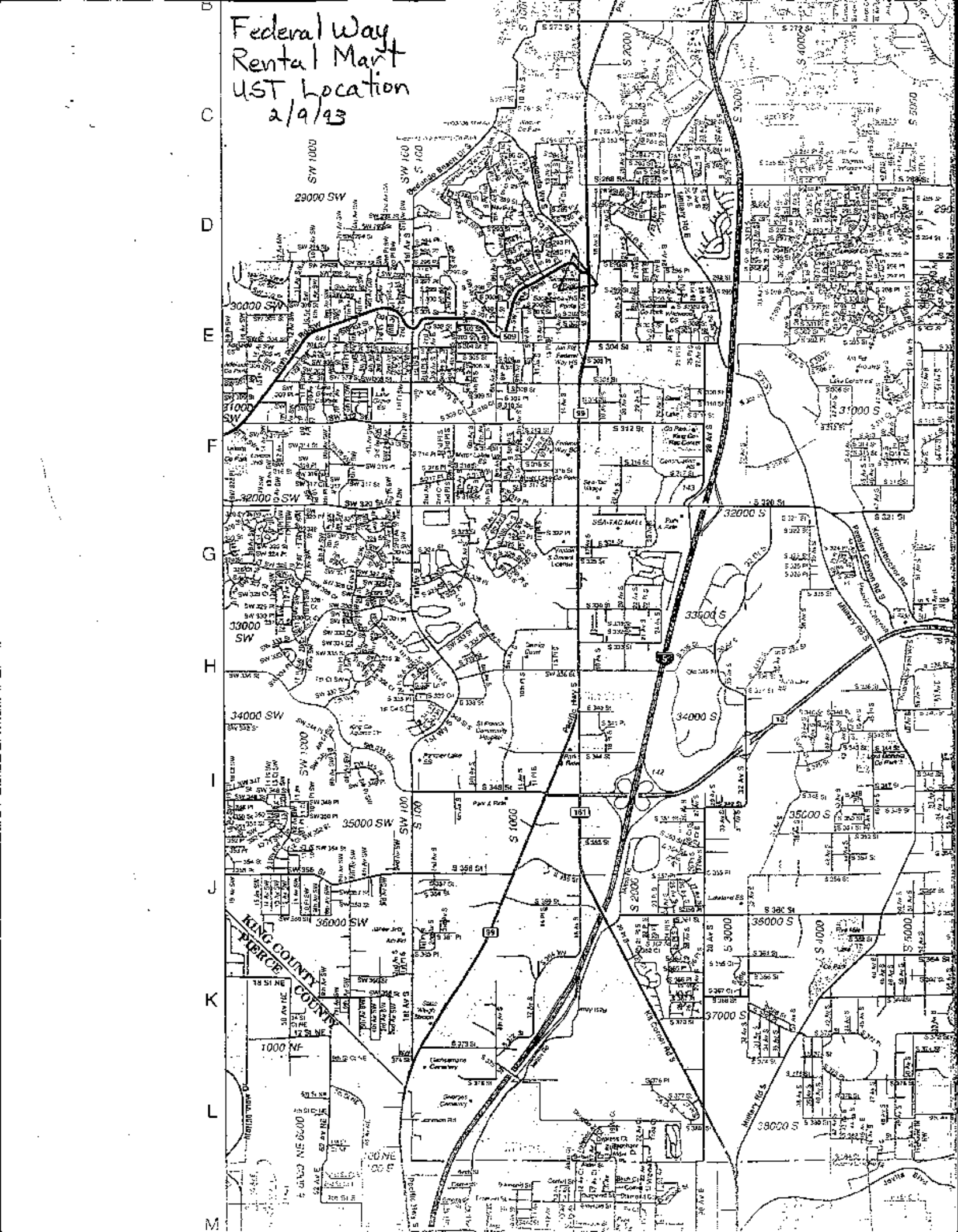
SPECIAL INSTRUCTIONS / COMMENTS:

1: lead as composite

Need early Thursday

2: soil high in organics

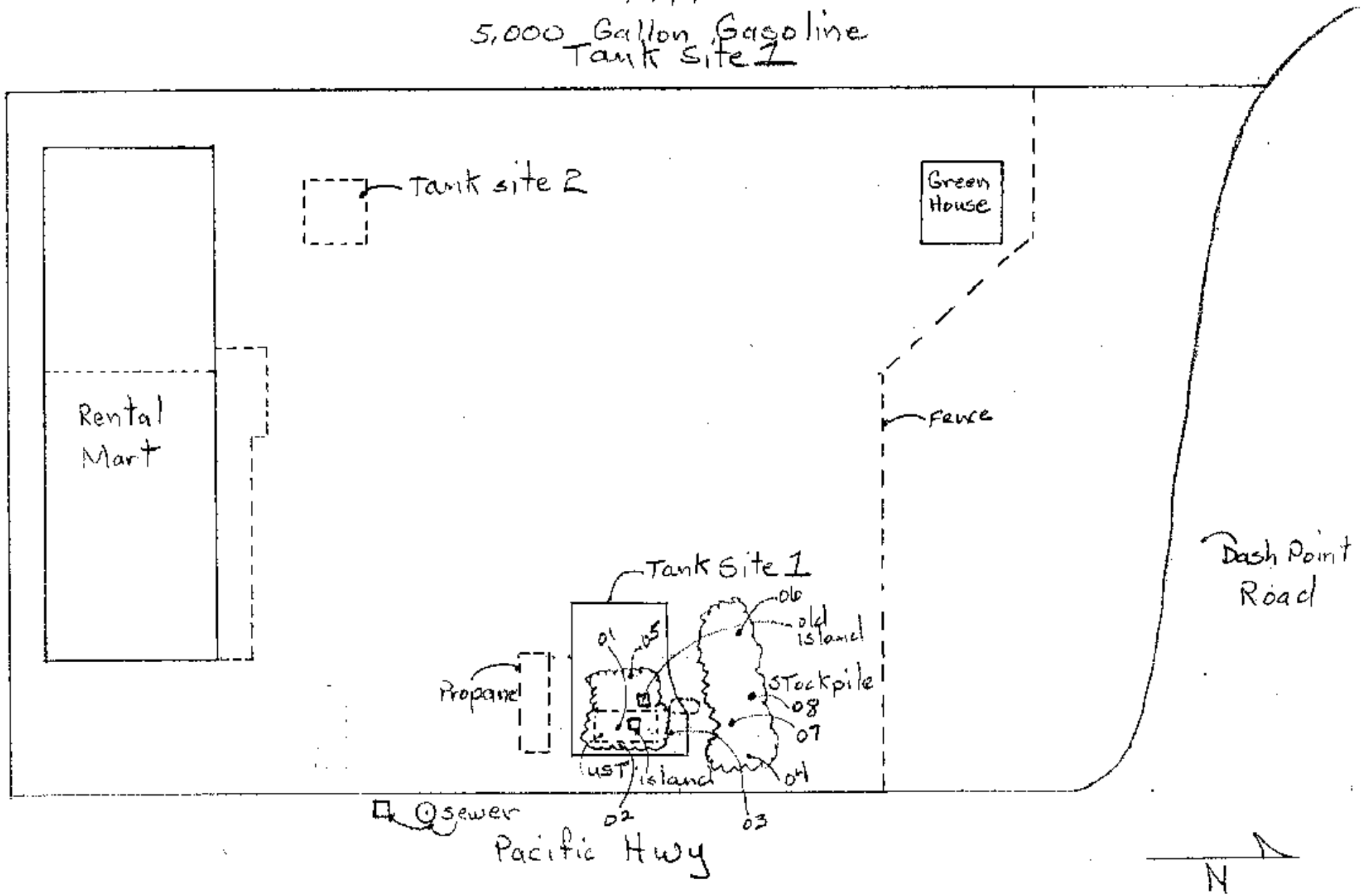
(Signature) Relinquished by:	Robert F. Simons	(Signature) Relinquished by:	(Signature) Relinquished by:
Printed Name:	Robert F. Simons	Printed Name:	Printed Name:
Company:	Nowicki	Company:	Company:
Date: 2/9 Time:	5:09	Date: Time:	Date: Time:
(Signature) Received by:	Barb Miano	(Signature) Received by:	(Signature) Received by:
Printed Name:	Barb Miano	Printed Name:	Printed Name:
Company:	Spectra	Company:	Company:
Date: 2-9-93 Time:	5:09	Date: Time:	Date: Time:

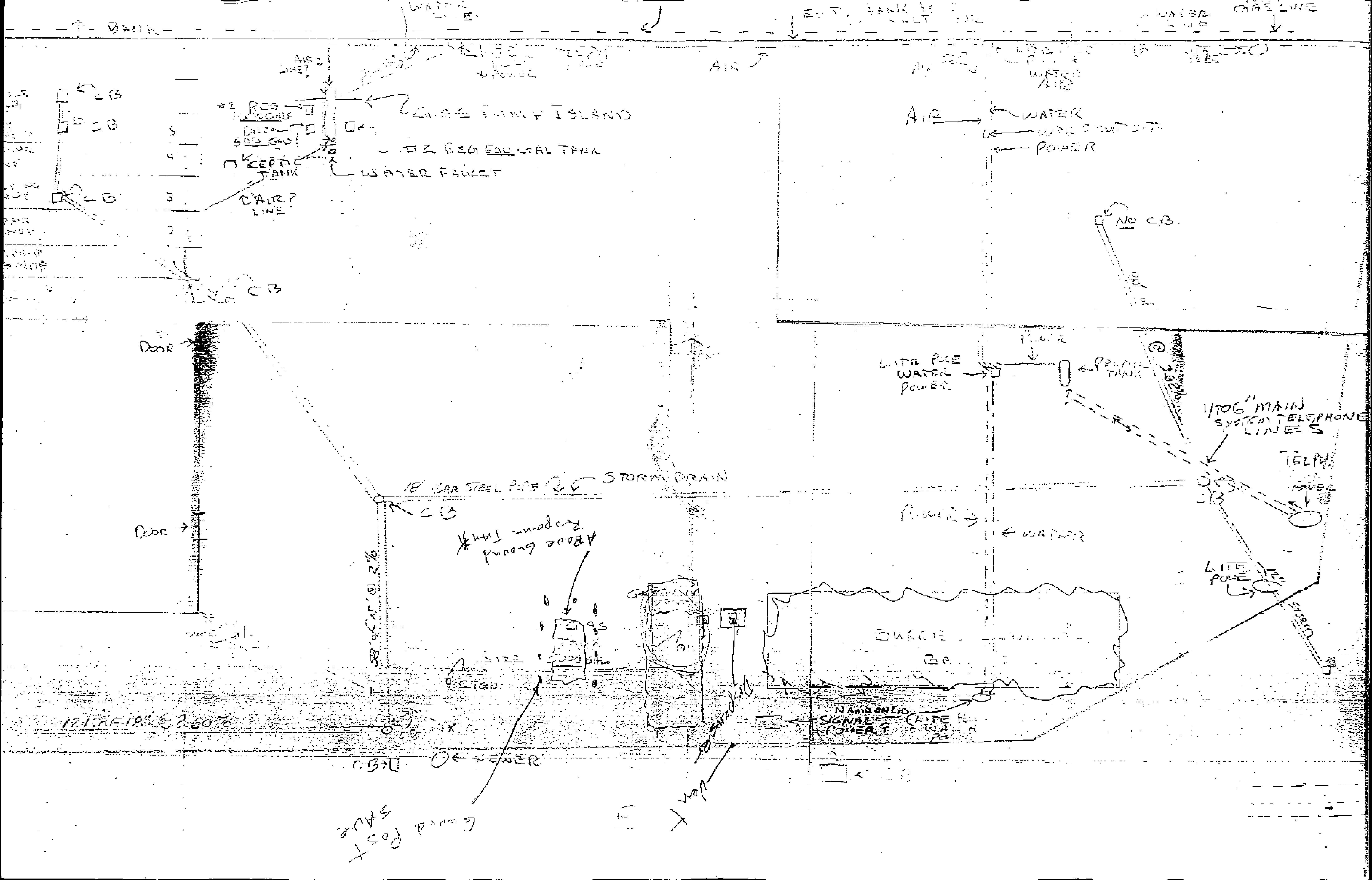

Federal Way
Rental Mart
UST Location
2/9/93
KING COUNTY
PIERCE COUNTY

Federal Way Rental Mart UST Removal

2/9/93

5,000 Gallon Gasoline Tank Site 1




GAS LINE
AIR
GAS PUMP ISLAND
#1 REG
DIESEL
500 GAL
#2 REG
CEPTIC TANK
WATER FAUCET
AIR? LINE
CB
WATER
POWER
NO CB.
DOOR
DOOR
LITE POLE
WATER
POWER
PROPANE TANK
4706' MAIN
SYSTEM TELEPHONE
LINES
TELPH
LITE POLE
STORM
18' 30" STEEL PIPE
STORM DRAIN
CB
Above Ground
Propane Tank
BURGIE
SIGNAL
POWER?
NAME ONLY
LITE P
121' OF 18" @ 2.60%
CB
SEWER
Ground Post
SAVE
Vent
Propane

SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

February 11, 1993

Mr. Bob Simons
Nowicki & Associates
33516 9th Ave. S., Bldg. 6
Federal Way, WA 98003

RE: FW Rental Mart

Dear Mr. Simons,

Please find enclosed the results for the above referenced project.

If you have any questions or need any further information, please feel free to call any time.

Sincerely,

SPECTRA LABORATORIES, INC.

Mike Minner
Lab Director

Enclosure

SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

February 11, 1993

Nowicki & Associates
33516 9th Ave. S., Bldg. 6
Federal Way, WA 98003

Attn: Bob Simons

Sample ID: #01
Project: FW Rental Mart
Sample Matrix: Soil
Date Sampled: 2-9-93
Date Received: 2-9-93
Spectra Project: S302-074
Spectra #0806
RUSH

BTEX, EPA Method 8020
Dilution Factor: 1

Date Extracted: 2-10-93
Date Analyzed: 2-10-93
Units: mg/Kg

Benzene	<0.3
Toluene	<0.3
Ethyl Benzene	<0.3
Total Xylenes	<0.3

WTPH-G, mg/Kg	<20

SPECTRA LABORATORIES, INC.

Steven G. Hibbs, Chemist

SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

February 11, 1993

Nowicki & Associates
33516 9th Ave. S., Bldg. 6
Federal Way, WA 98003

Attn: Bob Simons

Sample ID: #02
Project: FW Rental Mart
Sample Matrix: Soil
Date Sampled: 2-9-93
Date Received: 2-9-93
Spectra Project: S302-074
Spectra #0807
RUSH

BTEX, EPA Method 8020 Dilution Factor: 1	Date Extracted: 2-10-93 Date Analyzed: 2-10-93 Units: mg/Kg
Benzene	<0.3
Toluene	<0.3
Ethyl Benzene	<0.3
Total Xylenes	<0.3

WTPH-G, mg/Kg	<20

SPECTRA LABORATORIES, INC.

Steven G. Hibbs, Chemist

SPECTRA Laboratories, Inc.

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February 11, 1993

Nowicki & Associates
33516 9th Ave. S., Bldg. 6
Federal Way, WA 98003

Attn: Bob Simons

Sample ID: #03
Project: FW Rental Mart
Sample Matrix: Soil
Date Sampled: 2-9-93
Date Received: 2-9-93
Spectra Project: S302-074
Spectra #0808
RUSH

BTEX, EPA Method 8020
Dilution Factor: 1

Date Extracted: 2-10-93
Date Analyzed: 2-10-93
Units: mg/Kg

Benzene	<0.3
Toluene	<0.3
Ethyl Benzene	<0.3
Total Xylenes	<0.3

WTPH-G, mg/Kg	<20

SPECTRA LABORATORIES, INC.

Steven G. Hibbs, Chemist

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February 11, 1993

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Federal Way, WA 98003

Attn: Bob Simons

Sample ID: #04
Project: FW Rental Mart
Sample Matrix: Soil
Date Sampled: 2-9-93
Date Received: 2-9-93
Spectra Project: S302-074
Spectra #0809
RUSH

BTEX, EPA Method 8020
Dilution Factor: 1

Date Extracted: 2-10-93
Date Analyzed: 2-10-93
Units: mg/Kg

Benzene	<0.3
Toluene	<0.3
Ethyl Benzene	3.68
Total Xylenes	7.68

WTPH-G, mg/Kg	1,050

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February 11, 1993

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Federal Way, WA 98003

Attn: Bob Simons

Sample ID: #05
Project: FW Rental Mart
Sample Matrix: Soil
Date Sampled: 2-9-93
Date Received: 2-9-93
Spectra Project: S302-074
Spectra #0810
RUSH

BTEX, EPA Method 8020
Dilution Factor: 1

Date Extracted: 2-10-93
Date Analyzed: 2-10-93
Units: mg/Kg

Benzene	<0.3
Toluene	<0.3
Ethyl Benzene	<0.3
Total Xylenes	<0.3

WTPH-G, mg/Kg	<20

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Steven G. Hibbs, Chemist

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February 11, 1993

Nowicki & Associates
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Federal Way, WA 98003

Attn: Bob Simons

Sample ID: #06
Project: FW Rental Mart
Sample Matrix: Soil
Date Sampled: 2-9-93
Date Received: 2-9-93
Spectra Project: S302-074
Spectra #0811
RUSH

BTEX, EPA Method 8020 Dilution Factor: 1	Date Extracted: 2-10-93 Date Analyzed: 2-10-93 Units: mg/Kg
Benzene	<0.3
Toluene	<0.3
Ethyl Benzene	0.73
Total Xylenes	4.4

WTPH-G, mg/Kg	203

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February 11, 1993

Nowicki & Associates
33516 9th Ave. S., Bldg. 6
Federal Way, WA 98003

Attn: Bob Simons

Sample ID: #07
Project: FW Rental Mart
Sample Matrix: Soil
Date Sampled: 2-9-93
Date Received: 2-9-93
Spectra Project: S302-074
Spectra #0812
RUSH

BTEX, EPA Method 8020
Dilution Factor: 1

Date Extracted: 2-10-93
Date Analyzed: 2-10-93
Units: mg/Kg

Benzene	<0.3
Toluene	<0.3
Ethyl Benzene	<0.3
Total Xylenes	0.77

WTPH-G, mg/Kg	43.6

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February 11, 1993

Nowicki & Associates
33516 9th Ave. S., Bldg. 6
Federal Way, WA 98003

Attn: Bob Simons

Sample ID: #08
Project: FW Rental Mart
Sample Matrix: Soil
Date Sampled: 2-9-93
Date Received: 2-9-93
Spectra Project: S302-074
Spectra #0813
RUSH

BTEX, EPA Method 8020 Dilution Factor: 1	Date Extracted: 2-10-93 Date Analyzed: 2-10-93 Units: mg/Kg
Benzene	<0.3
Toluene	<0.3
Ethyl Benzene	4.73
Total Xylenes	28.7

WTPH-G, mg/Kg	955

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February 11, 1993

Nowicki & Associates
33516 9th Ave. S., Bldg. 6
Federal Way, WA 98003

Attn: Bob Simons

Sample ID: Comp. 1,2,3,4,5,6,7,8
Project: FW Rental Mart
Sample Matrix: Soil
Date Sampled: 2-9-93
Date Received: 2-9-93
Spectra Project: S302-074
Spectra #0814
RUSH

Total Lead (Pb), mg/Kg	73

Total Lead testing performed by EPA Method 6010

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February 11, 1993

Nowicki & Associates
33516 9th Ave. S., Bldg. 6
Federal Way, WA 98003

Attn: Bob Simons

Sample Matrix: Soil
EPA Method: BETX 8020
Sample Spiked: Method Blank
Date Extracted: 2-1-93
Date Analyzed: 2-1-93
Units: mg/Kg
Spectra Project: S302-074
Applies to Spectra #'s
0806 through 0813

VOLATILE ORGANIC ANALYSIS
QUALITY CONTROL RESULTS

Compound	Sample Result	Spike Amount Added	Spike Amount Found	% Recovery	Dup. Spike Amount Found	% Recovery	% RPD
Benzene	<0.30	0.88	0.90	103	0.93	106	4
Toluene	<0.30	0.88	0.96	109	0.98	111	2
Ethylbenzene	<0.30	0.88	0.94	107	0.97	110	3
m,p-Xylene	<0.30	1.70	1.67	98	1.73	102	4
o-Xylene	<0.30	0.88	0.96	109	0.97	110	1

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Nowicki & Associates
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Federal Way, WA 98003

Attn: Bob Simons

Method: WTPH-G
Sample Matrix: Soil
Spectra Project: S302-074
Applies to Spectra #'s
0806 through 0813

HYDROCARBON ANALYSIS
QUALITY CONTROL RESULTS

MS/MSD

Spiked Sample: Method Blank
Units: mg/Kg

Date Extracted: 2-1-93
Date Analyzed: 2-1-93

Compound	Sample Result	Spike Amount	Spike Result	% Recovery	Dup. Result	Dup. Recovery	% RPD
Gasoline	<20	51.4	52	101	46.4	90	11

METHOD BLANK

Date Extracted: 2-10-93

Date Analyzed: 2-10-93

WTPH-G, mg/Kg

<20

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February 11, 1993

Nowicki & Associates
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Federal Way, WA 98003

Attn: Bob Simons

METHOD BLANK
Sample Matrix: Soil
Spectra Project: S302-074
Applies to Spectra #'s
0806 through 0813

BTEX, EPA Method 8020
Dilution Factor: 1

Date Extracted: 2-10-93
Date Analyzed: 2-10-93
Units: mg/Kg

Benzene	<0.3
Toluene	<0.3
Ethyl Benzene	<0.3
Total Xylenes	<0.3

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Steven G. Hibbs, Chemist

SPECTRA Laboratories, Inc.

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February 11, 1993

Nowicki & Associates
33516 9th Ave. S., Bldg. 6
Federal Way, WA 98003

Attn: Bob Simons

METHOD BLANK
Date Analyzed: 2-10-93
Spectra Project: S302-074
Applies to Spectra #0814

Total Lead (Pb), mg/Kg	<4

Total Lead testing performed by EPA Method 6010

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RENTAL MARTS
Federal Way, K. 29805 Pacific Hyw S

B/C 002741

Department of Ecology - Northwest Regional Office
Underground Storage Tank Notice of Confirmed Release

Incident #: 4709 Date Ecology Notified: 8/24/93 ~~9/4/93~~ - Report Received by: Ademasu .

UST #: 006523 Incident Reported by: Hazcon Inc. Phone: 763-7364

ERTS #: 13741

Site

Name: Rental Mart
Address: 29805 Pacific Hwy S.
City: Federal Way WA
Zip + 4: 98003
County: King
Phone:
Contact:

Owner

Name: Bank of California
Address: PO Box 3123
City Seattle
Zip + 4: 9814
County: King
Phone: 587-6151
Contact:

Consultant/Other Contacts

Contact Name	Affiliation	Phone	Ext.
O'Sullivan Elect. Equip Co.	Contractor	682-2440	
Paul Riley	Hazcon Inc	763-7364	

Affected Media

[X] Soil [ ] GW [ ] DW [ ] SW [ ] Sed.

Free Product?

[ ] Yes [X] No [ ] Excavation? [ ] GW?

Tank Information

	Tank ID	Substance	Status	Status Date		Tank ID	Substance	Status	Status Date
1.	1	Diesel	Removed	6/25/93	6.				
2.					7.				
3.					8.				
4.					9.				
5.					10.				

Cleanup Status: [ ] Assessing [ ] In Progress [ ] Monitoring [X] Conducted [ ] Unknown

Comments (include remediation methods, PCS status, and if this is a "limited" cleanup):

500 gal tank removed.
30 cy soil contaminated; excavation below MTCA standards
Stockpile (490ppm TPH) taken to Rabanco Landfill.

RENTAL MARTS AKA RUTH EVANS TRUST
FEDERAL WAY
TCP/VCP } 29805 PACIFIC HWY S NFA 5/17/01

NW 0623
1993-2001

RES

KLEINFELDER

NW 0623

RECEIVED
MAR 08 2001
DEPT. OF ECOLOGY

Phase I Environmental Site Assessment
Vacant Commercial Property
29805 Pacific Highway South
Federal Way, Washington 98003
UBOC File No.: E00-1148-T

Prepared for: Ruth M. Evans Trust
c/o Ms. Cyndy Wagner
Union Bank of California
500 South Main Street, Suite #320
Orange, California 92868

Prepared by: Kleinfelder Inc.
2405 140th Avenue, NE
Suite A101
Bellevue, Washington 98005

Telephone: (425) 562-4200
Facsimile: (425) 562-4201

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June 13, 2000

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KLEINFELDER

June 13, 2000
Kleinfelder Project No: 60-208101

Ruth M. Evans Trust
C/o Ms. Cyndy Wagner
Union Bank of California
500 South Main Street, Suite #320
Orange, California 92868

Subject: **Phase I Environmental Site Assessment**
Vacant Commercial Property
29805 Pacific Highway South
Federal Way, Washington 98003
UBOC File No.: E00-1148-T

Dear Ms. Wagner:

Kleinfelder is pleased to present this report of our Phase I Environmental Site Assessment (ESA) of the above-referenced property. We have identified several environmental issues associated with the subject property which we believe will require some level of additional investigations. A detail description of the environmental issues and are recommendations are presented in Sections 6.0 and 7.0 of this report.

We appreciate this opportunity to provide our services to the Ruth M. Evans Trust and Union Bank of California. Should you require additional information or have any questions regarding this report, please contact us at (425) 562-4200.

Sincerely,

KLEINFELDER, INC.

Timothy W. Stott, M.S.
Project Manager

Dennis J. O'Neill, M.S.
Senior Project Manager

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1.0 SUMMARY

At the request of Union Bank of California, Kleinfelder has completed a Phase I Environmental Site Assessment (ESA) of the subject property located at 29805 Pacific Highway South in Federal Way, Washington (Figures 1 and 2). The subject property is currently vacant and occupies approximately 1¾ acres. A 6,350 square foot one-story commercial steel building is situated on the southern portion of the subject property (Figure 2). The steel building was previously used as part of an equipment rental facility, with office and maintenance/storage areas located in the eastern and western portions of the building, respectively.

Land use in the site vicinity is mixed commercial and residential. Our review of aerial photographs suggests that the general area of the subject property was rural in character until the 1950s. An additional review of historical information revealed that a combination gasoline station and restaurant was constructed on the eastern portion of the subject property in 1920 and was present until the late 1960s (Figure 3). The number and locations of the underground storage tanks (USTs) associated with this former service station were not disclosed in the historical information. In addition, information regarding the closure of these USTs was not included in the Department of Ecology UST files. Thus, it is not known whether these USTs have been properly closed or if the soils and/or groundwater quality has been impacted from the potential release of petroleum hydrocarbons associated with these USTs.

The existing steel building was constructed in 1970, and has apparently always been an equipment rental business, first as Rental Mart, and later as 40-Rentals beginning in about 1995. A 500-gallon diesel UST and a 5,000-gallon gasoline UST were installed on the subject property as part of the former rental equipment operations. These tanks were removed in 1993. Information presented in the UST closure reports indicated that petroleum-impacted soils were encountered in each UST excavation at concentrations above the Washington State Model Toxics Control (MTCA) Method A cleanup levels. These impacted soils were reportedly stockpiled on-site and subsequently disposed offsite at the Roosevelt Regional Landfill. No evidence of the petroleum-impacted soil affecting the regional groundwater quality was reported. .

During the removal process of the 5,000-gallon gasoline UST previously discussed, a septic tank was observed in the northwest corner of the gasoline UST excavation. No information was

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provided that would indicate whether the septic tank and associated piping was removed or closed in-place.

During our site visit, a drum storage area was observed within the service bay of the building. A total of six 55-gallon drums containing waste oil were located in this area. Evidence of significant petroleum staining was observed on the concrete floor beneath the drum storage area and other locations throughout the service area. Several concrete sumps were observed within the equipment servicing bays and in the asphalt-covered parking lot immediately outside of the service bay (Figure 2). Due to the presence of water in the sumps, the integrity of these sums are unknown; however, evidence of petroleum staining was observed near the sumps. According to Mr. Forte the sumps connect to the storm drain system.

Regarding potential off-site sources of impact, several sites were identified within the specified search distances in our review of regulatory-agency databases. Nearby USTs were also identified. In our opinion none of the identified sites are likely to have impacted the subject property. Furthermore, contamination from such offsite sources (if present) likely does not present an area-wide cleanup liability to the subject property due to Engrossed Senate Bill (ESB) 7900, which provides that the owner of a site that overlies a plume of contaminated groundwater is not strictly liable for that contamination.

To address identified issues we recommend the following:

- Require the recent property tenant to remove and dispose of the drums of waste oil and paints remaining on the subject property in accordance with applicable local, state and federal regulations.
- Complete a geophysical survey of the site in order to further assess the presence of USTs or septic tanks that may be present from the former gasoline station.
- Complete subsurface soil and possibly groundwater sampling in the areas adjacent to the two collection sumps located within the on-site structure, in the location of the former gasoline and diesel tanks removed in 1993, and in the location of the pump dispensers located at the former gasoline station..
- Conduct geophysical and possibly subsurface investigation of an area of concrete pad or patch located in the asphalt parking area on the northwest side of the facility.
- Contract a utility locating firm to confirm that the sumps are connected to the storm water system.

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Kleinfelder's work was performed in accordance with our authorized proposal. Our conclusions and recommendations are discussed more fully in Sections 6.0 and 7.0 of this report. This summary and our report are subject to the limitations presented in Section 8.0 of this report.

2.0 INTRODUCTION

This work was authorized on May 30, 2000 (Log #E00-1148-T) and conducted in accordance with Kleinfelder's Master Service Agreement with Union Bank of California, dated February 22, 2000. The following report is a summary of work performed using the guidelines set forth in American Society for Testing and Materials (ASTM) Standard E-1527-97, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process and Union Bank of California Trust or Corporate Real Estate Phase I Environmental Site Assessment.* This report also follows the ASTM Standard's suggested table of contents. Kleinfelder has made minor format modifications to the suggested table of contents to assist in reading and understanding the report findings.

2.1 Purpose of Assessment

Kleinfelder understands that Union Bank of California is interested in identifying site historical practices or activities that may have resulted in soil and/or groundwater contamination at the subject property. The purpose of the Phase I Environmental Site Assessment (ESA) is to evaluate the potential for the presence or likely presence of regulated hazardous or dangerous wastes and/or substances, including petroleum products, under conditions that indicate an existing release, a past release, or a material threat of a release into the structures of the property or into the ground, groundwater, or surface water of the property. In addition to the Phase I ESA workscope, the potential presence of asbestos and lead-based paint were considered for construction materials that were easily accessible and visible (e.g., assessment of the roof, crawl spaces, under-flooring, or areas requiring demolition to access was not performed). The site's "Radon Zone Level" was also reviewed, as was the potential presence of on-site wetlands and critical habitats.

This report describes Kleinfelder's assessment procedures and the information identified. Opinions and recommendations concerning the potential for soil and/or groundwater contamination are presented in Sections 6.0 and 7.0 of this report.

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2.2 Special Terms and Conditions

This report is intended for the sole use of Union Bank of California. Any party other than Union Bank of California or the Ruth Evans Trust who wishes to use this report to identify recognized environmental conditions at this site or surrounding properties shall notify Kleinfelder by executing the "Application for Authorization to Use" included as an attachment to this document. Based on the intended use of this report, Kleinfelder may require that additional work be performed and that an updated report be issued. Non-compliance with any of these requirements by Union Bank of California, Ruth Evans Trust, or anyone else will release Kleinfelder from any liability resulting from the use of this report by any unauthorized party.

2.3 Limiting Conditions and Methodology Used

This environmental site assessment follows the methodology set forth in ASTM Standard E-1527-97, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* and *Union Bank of California Trust or Corporate Real Estate Phase I Environmental Site Assessment.*

Please refer to Sections 5.0 and 8.0 of this report for other limitations of this work.

3.0 SITE DESCRIPTION

The following information provides a brief description of the subject property. Figure 1 presents a site vicinity map, and Figure 2 presents site plan. Figure 3 presents areas of environmental concern associated with the previous site activities. Additional site-description information was obtained during the site visit and through interviews. Please refer to the appropriate sections of the report that cover this information.

3.1 Location and Legal Description

The subject property is situated at the southwest corner of Pacific Highway South and Dash Point Road at 29805 Pacific Highway South in Federal Way, Washington (Figure 1). The subject property is currently vacant and occupies approximately 1¾ acres. A 6,350 square foot one-story steel building is situated on the southern portion of the subject property (Figure 2). The steel building was previously used as part of an equipment rental facility, with office and maintenance/storage areas located in the eastern and western portions of the building, respectively. The subject property is bounded to the north by Dash Point Road, to the west by 16th Avenue South, to the east by Pacific Highway South, and to the south by a motel. Land use in the site vicinity is mixed commercial and residential.

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The legal description and tax identification number of the property were obtained from the King County Assessor's Office, and is included in Appendix A. Archive information indicates that the address of the former gasoline station/restaurant located on the subject property was 29651 Pacific Highway South.

3.2 Geologic Setting

Review of the U.S. Geologic Survey (USGS) topographic map for the Poverty Bay Quadrangle (USGS, 1961) indicates that the property is located at an elevation of approximately 400 feet above mean sea level (MSL). The nearest large surface water body is Puget Sound, located approximately 1-mile northwest of the subject property. The topography in the vicinity of the property slopes to the northwest.

The Puget Sound area has been glaciated numerous times over the last several hundred thousand years. The most recent of these events was the Vashon Stade of Fraser Glaciation. The subject site and its vicinity are situated within semi- and unconsolidated materials, deposited during the Vashon Stade of Fraser Glaciation which occurred approximately from 15,000 to 12,000 years ago (Griffin, et al, 1962). The glacial deposits of the Vashon Drift include dense, compact till and various types of glacial outwash.

The shallowest water-productive aquifer within the subject property belongs to Vashon recessional outwash unit, which consist mostly of sand and gravel. The groundwater was encountered at approximately 45 feet below ground surface (bgs) in the well, located approximately 1.2 miles south of the subject property. The lower boundary of Vashon recessional outwash is the top surface of Vashon till, very compact and cemented mixture of fine- and coarse-grained sediments. Ground water in the Vashon recessional outwash, as well as uncontrolled surface water, follow the land-surface gradient; water moves from high-altitude areas towards stream valleys. It can be expected that the water within the site and its vicinity flow toward the Puget Sound, to the northwest. It should be noted that perched groundwater conditions are frequently encountered in shallow soils throughout the Puget Sound area. No regional groundwater impairments are known to exist in the area.

3.3 Environmental Liens

No environmental liens are known to be present against the property. However, Kleinfelder did not have access to a chain-of-title to confirm or dispute our understanding.

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4.0 RECORDS REVIEW

Public agency and company records are sources of information that may be helpful in evaluating activities that may have contributed to contamination of soil and/or groundwater. The following agencies, companies, and individuals were contacted for information regarding the subject property:

- Walker and Associates, Aerial Photographs;
- VISTA Information Solutions, Inc. (VISTA) Report, May 10, 2000;
- Federal Way Fire Department;
- King County Library, Seattle Main Branch - Polk Reverse Telephone Directories, Sanborn Fire Insurance Maps, Kroll City Maps, Metsker's Atlases;
- King County Assessor's Office;
- Mr. Lee Forte, proprietor of 40-Rentals;
- King County Regional Archives;
- Federal Way Building Department; and
- Washington Department of Ecology, Northwest Regional Office.

4.1 Federal Environmental Record Sources

The following information was obtained from regulatory-agency databases and listings. Search distances were those specified in the ASTM standard.

As part of a government database search completed by VISTA Information Solutions (VISTA), the following federal database records were searched as required by ASTM: the Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS), Emergency Response Notification System (ERNS), National Priority List (NPL), and the Resource Conservation and Recovery Act (RCRA) Information System (RCRIS) including the Corrective Action Report (CORRACTS), listing of hazardous waste treatment, storage, and disposal facilities (TSDs), and large- (LG GEN) and small-quantity (SM GEN) generators of hazardous waste. Appendix B contains a copy of the complete VISTA report. The dates of the database information are also identified in the VISTA report. Please note that the VISTA report may include search results for several databases not discussed in this report. Kleinfelder's review of the VISTA report focused on the most significant database information, inclusive of the information specified for review in the ASTM standard. The following summaries contain information from the VISTA search. In general, listed sites with known contamination and in close proximity to the subject site are discussed.

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4.1.1 Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS)

CERCLIS is a database of information concerning sites that have come to the Environmental Protection Agency's (EPA) attention as having potential contamination significant enough to be addressed under the Superfund program. CERCLIS contains sites that either are proposed for, or on, the National Priorities List (NPL). Also included are sites that are in the screening and assessment phase for possible inclusion on the NPL.

> The subject property was not identified on the CERCLIS. However, King County Redondo Oil Pit, located approximately 0.03-mile west of the subject property at SR 509 and 16th Avenue South was listed in CERCLIS. A Preliminary Assessment and a Screening Site Assessment of the site were completed by EPA, after which no further action is planned. This site also appears on the State SCL with a slightly different address and name (as discussed in Section 4.2, below). This is the current location of Sacajawea Park. This site is not considered a concern for the subject property because it is expected to be hydraulically cross-gradient from the subject property, and is apparently not considered a priority concern for EPA or the Washington Department of Ecology.

4.1.2 Federal National Priorities List (NPL)

The NPL list (i.e. Superfund list) is a compilation of CERCLIS properties with the highest priority for cleanup pursuant to EPA's Hazard Ranking System.

> Neither the subject property nor any site within a mile of the subject property was identified on the NPL.

4.1.3 Federal Resource Conservation and Recovery Act (RCRA) Information System (RCRIS) and Corrective Action Report (CORRACTS) Database

The RCRIS database contains information about facilities registered with EPA as hazardous waste generators, transporters, storage, or disposal facilities. Note, however, that being registered with EPA has a hazardous waste handler does not in itself mean that any hazardous materials have been improperly managed. The CORRACTS Database identifies those sites that are listed by the EPA as hazardous waste handlers with RCRA corrective action activity.

> Neither the subject property nor any site within a mile of the subject property was identified in RCRIS or CORRACTS.

4.1.4 Generators of Hazardous Waste

As previously discussed, the RCRIS database contains information about facilities registered with EPA as hazardous waste generators. Large-quantity generators (LG GEN) are those that

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generate at least 1000 kilograms per month (Kg/month) of non-acutely hazardous waste, or 1 Kg/month of acutely hazardous waste. Small-quantity generators (SM GEN) generate less than the threshold quantities for being classified as large-quantity generators. Note, however, that being registered with EPA has a hazardous waste generator does not in itself mean that any hazardous materials have been improperly managed.

> Neither the subject property nor any site within a mile of the subject property was identified as a hazardous waste generator.

4.1.5 Federal Emergency Response Notification System (ERNS)

ERNS identifies those sites that are listed under the EPA's emergency response notification systems list of reported CERCLA hazardous substance releases or spills in quantities greater than the reportable quantity. This list is maintained by the National Response Center. Notification requirements for such releases or spills are codified in Chapter 40 of the Code of Federal Regulations (CFR) parts 302 and 355.

> Neither the subject property nor any site within a mile of the subject property was identified in ERNS.

4.2 State Environmental Records Reviews (Washington State Department of Ecology)

As part of a government database search completed by VISTA, the following state database records were searched as required by ASTM: the Confirmed & Suspected Contaminated Sites List (CSCSL) List including the Hazardous Sites List (HSL), Leaking Underground Storage Tank (LUST) List, the Underground Storage Tank (UST) Database, and the Solid Waste Facility (SWF) Database. Appendix B contains a copy of the complete VISTA report. The dates of the database information are also identified in the VISTA report. Please note that the VISTA report may include search results for state databases not discussed in this report. Kleinfelder's review of the VISTA report focused on the most significant database information, inclusive of the information specified for review in the ASTM standard. The following summaries contain information from the VISTA search.

4.2.1 Confirmed and Suspected Contaminated Sites List (CSCSL) and Hazardous Sites List (HSL)

The Washington Department of Ecology (Ecology) CSCSL is the states' equivalent to CERCLIS. Confirmed contaminated sites are referred to in the VISTA report as State Priorities List (SPL) sites. Suspected contaminated sites as referred to simply as SCL. Sites being addressed by the Washington State Department of Ecology's Toxics program are listed in the

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TOXICS Database. The HSL is a subset of the CSCSL Report that includes sites that have been assessed and ranked using the Washington Ranking Method (WARM).

The subject property was not identified on the SPL, SCL, but was identified in the TOXICS database, and on the LUST and UST lists. Two USTs were removed from the subject property in 1993; a 500-gallon diesel tank and a 5,000-gallon gasoline tank. At the time of removal, soil contamination associated with the gasoline tank was discovered. The contaminated soil was reportedly excavated at the time of tank removal, and the site is reported cleaned up in the LUST database. The UST removal reports for these tanks were obtained from the Washington Department of Ecology and will be discussed later in this report.

Redondo Oil Pit King County, located approximately 0.03-miles west of the subject property at the intersection of 16th Avenue South and Southwest Dash Point Road is identified in the SCL. This site was discussed in Section 4.1 because it was identified in CERCLIS, but where no further remedial action is planned. As previously discussed, this site is not considered a concern for the subject property because it is expected to be hydraulically cross-gradient from the subject property, and is apparently not considered a priority concern for EPA or the Washington Department of Ecology.

Two sites, one within 1/8-mile and another within ½-mile of the subject property were also identified in TOXICS.

1. Unocal #6227, located within 100 yards north of the subject property at 29625 Pacific Highway South (the site of the present-day Shell station) is listed in TOXICS, and under the name of 509 Deli Town Pump on the LUST and UST lists. Soil affected by petroleum release from USTs at the site has reportedly been cleaned up. The UST and LUST files for this site were requested from the Washington Department of Ecology, however Ecology could not locate the files for our review. Nevertheless, this site is not considered a concern for the subject property because it is expected to be hydraulically down-gradient of the property, has reportedly been cleaned up, and only soil was reportedly affected.

2. Texaco #004479, located approximately 0.47-miles north of the subject property at 28806 Pacific Highway South, is listed in TOXICS, and on the LUST and UST lists. Soil contamination at the site has reportedly been cleaned up. The site is not considered a concern for the subject property because it is relatively distance from the subject property, has reportedly been cleaned up, only soil was reportedly affected, and because the site is expected to be hydraulically down-gradient of the subject property.

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4.2.2 Leaking Underground Storage Tanks (LUST) List

The subject property (under the name of Rental Mart) as well as two other sites were identified in the LUST database. All three sites are also listed in other databases and were previously discussed.

Two USTs were removed from the subject property in 1993. Contaminated soil was found to be associated with one of the tanks, which was reportedly excavated at the time of tank removal.

The two other sites identified in the LUST database include the 509 Deli Town Pump, now the site of the Shell station located on the north side of Dash Point Road across from the subject site, and Texaco #004479, located at 28806 Pacific Highway South. As previously discussed, neither of these two sites are considered a concern for the subject property because they are reported cleaned up, only soil was affected, and/or they are expected to be either cross- or down-gradient of the subject property.

4.2.3 Registered Underground Storage Tank (UST) Database

The subject property is listed in the UST Database under the name of Rental Mart. The database information lists four tanks; two closed in place, and two removed. However, this information is apparently in error. Each of the two tanks removed in 1993 is likely listed twice in the database, once as closed in place, and once as removed. The size of the tanks and age in each case is repeated among corresponding listings for closed in place and removed. It should be noted, that tanks that were likely associated with the former gasoline station on the property would not be expected to be listed in the UST database because the station was demolished prior to 1970, prior to UST notification requirements, and prior to the formation of the Washington Department of Ecology.

509 Deli Town Pump, now the site of the Shell station located on the north side of Dash Point Road across from the subject site, was also identified in the UST Database. In addition to three USTs previously removed from the site, there reportedly four USTs still in service at the Shell station.

4.2.4 State Landfill and/or Solid Waste Disposal Site Database (SWF)

VISTA's review of Ecology's SWF Database did not identify that any state landfills and/or solid waste disposal sites were located within 0.5 mile of the subject property.

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4.3 Historical Use Information

The following information was obtained from reviewed sources of historical information and interviews.

4.3.1 Polk City Directories

No historical Polk City directories with coverage of this area of Federal Way area are available

4.3.2 Sanborn Fire Insurance Maps

No Sanborn Fire Insurance maps are available for the subject property or surrounding areas.

4.3.3 Kroll Maps and Metsker's Atlases

We reviewed Kroll and Metsker's Atlases covering the area of the subject property at the Seattle Library. A Kroll Map dated 1926 depicts the subject property simply as Lots 33 and 35. The area of the present-day park located several hundred yards west of the subject property is labeled as "King County". This is the site which shows up in several agency databases as Redondo Oil Pit King County.

4.3.4 Federal Way Fire Department

We contacted the Federal Way Fire Department (under the present address and the address of the former service station) regarding any fires, hazardous materials storage incidents, or information concerning USTs associated with the subject property under the current address and the address of the former service station. The Department responded that 40 Rentals had maintained a permit for the storage of flammables and combustibles for several years. The Department also has record of a 5,000 gallon gasoline and 500 gallon diesel tanks present at the property as of 1992. The diesel tank was removed in 1993 according to Department records. No records of any fires or hazardous material incidents were found.

4.3.5 Federal Way Building Department

We contacted the Federal Way Building Department concerning any building plans or permits on file for the subject property (under the present address and the address of the former service station) We were provided with a copy of a UST removal permit for the 5,000 gallon gasoline UST, and brief field notes completed by the Fire Marshal upon removal of the 500 gallon diesel UST. No other records concerning the subject property are on file with the Department. According to Tom Noble of the Department, the subject property was likely not incorporated into the City of Federal Way when the Rental Mart was constructed in approximately 1970.

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4.3.6 Washington Department of Ecology, Northwest Regional Office

We requested copies of files pertaining to the subject property (under the present address and the address of the former service station) and the Shell Station located at 29625 Pacific Highway South (on the north side of Dash Point Road across from the subject property) from the Northwest Regional Office of Ecology. Copies of UST Site Assessment Reports and supporting information for the 500-gallon diesel and 5,000-gallon gasoline USTs removed from the subject property were obtained, and are provided in Appendix C. Ecology indicated that they had log records of having UST and LUST files pertaining to the Shell Station (AKA: Unocal and/or 509 Deli Town Pump); however, the files could not be located for our review. Note that it is not anticipated that Ecology would have any information concerning USTs that were likely associated with the former service station located on the subject property because the station was demolished prior to UST notification requirements and before Ecology was formed. Furthermore, as previously discussed in Section 4.2.3, we believe Ecology only has information on the two USTs removed from Rental Mart in 1993, and that the UST Database erroneously lists two other USTs as being closed in place on the subject property.

In February 1993, a 5,000-gallon gasoline UST and pump dispenser unit were removed from the eastern portion of the subject property as shown on Figure 3(Nowicki & Associates, 1993). The tank was located on the eastern side of the property, roughly 50 yards north of what was at that time the Rental Mart building. The tank was reportedly installed in 1970 when the Rental Mart was constructed, and had been used for fueling of equipment at the Rental Mart store. At the time of removal, petroleum-impacted soil was found above the tank (the pump dispenser was situated above the tank) and on the western side of the tank excavation. Approximately 50 cubic yards of petroleum-impacted soil was over-excavated, and confirmatory sampling indicated the excavation to be clean. The petroleum-impacted soils were removed and disposed of at Roosevelt Regional Landfill. Post-excavation soil samples indicated that the MTCA Method A cleanup levels were met.

During removal of the gasoline tank, a septic tank and previously abandoned petroleum product piping were encountered. The septic tank was located immediately northwest of the gasoline tank, and the product piping was located west of the gasoline tank (Figure 3). Conjecture in the UST removal report suggests that the septic tank and abandoned product piping was associated with the former gasoline and tire service station that had previously been located on the site (perhaps more accurately, a service station and restaurant based on King County Archive records). The report fails to indicate whether the septic tank and product piping were left in

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place or removed. The report also mentions a warehouse shop being present south of the subject property, the building that is today a motel. A former service station is described as being present on the north side of Dash Point Road at the location of the present-day Shell Station. This is likely the Unocal/509 Deli Town Pump identified in several agency databases.

In May 1993, a 500-gallon diesel UST and an associated pump dispenser situated over the tank were removed from the subject property (Hazcon, 1993). The tank was located approximately 35 feet north of the west end of the Rental Mart building, and was used to store diesel fuel for fueling of equipment. The UST site assessment report indicates that the tank was installed in 1965, which predates the construction of the Rental Mart facility (constructed in 1970). Analysis of composite samples collected from the limits of the UST excavation found the excavation to be clean (i.e. concentrations below the Method A Cleanup Levels specified in Ecology's Model Toxics Control Act). However, the stockpile of excavated soil was found to contain diesel concentrations above the Method A Cleanup Levels, and the material was disposed of as petroleum-impacted soil at Roosevelt Regional Landfill.

4.3.7 King County Assessor's Office and Regional Archives

A Kleinfelder representative reviewed the tax records and property information for the subject property at the King County Assessor's Office. Assessor's records indicate that the structure currently present on the subject property was constructed in 1970. The taxpayer is reported as Union Bank of California.

Historic tax records were obtained from the King County Regional Archives. The historical records indicate that combination gasoline station and restaurant was formerly present on the eastern side of the subject property, along Pacific Highway South. The facility was constructed in 1920, utilized stove heating, and included several fuel dispensers located immediately east of the southern end of the building. A photograph from 1938 shows a Mobil service station, and a sketch of the layout of the building shows the pump dispensers immediately east of the southern side of the building. The structure was demolished in 1969. As previously mentioned, copies of information obtained from the Assessor's Office and Regional Archives is provided in Appendix A.

4.3.8 Aerial Photograph Review

A review of historical aerial photography may indicate past activities at a property that may not be documented by other means, or observed during a property visit. The effectiveness of this technique depends on the scale and quality of the photographs and the available coverage.

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Aerial photographs were obtained from Walker and Associates of Seattle, Washington. The following is a tabulation of information concerning the aerial photographs reviewed:

Date	Flight #	Scale	Color	Stereo
1936	A36	1" = 1000'	No	Yes
1946	A46	1" = 1000'	No	Yes
1960	KC-60	1" = 1000'	No	Yes
1969	KC-69	1" = 1500'	No	Yes
1974	KC-74	1" = 1500'	No	Yes
1980	SC80A	1" = 1500'	No	Yes
1985	SKP-85	1" = 1500'	No	Yes
1990	KC-90	1" = 1000'	Yes	Yes
1997	Kisk-97	1" = 2000'	Yes	Yes

1936 A structure (former gasoline and tire service facility) is present on the eastern side of the subject property along Pacific Highway South. An apparent residence is present north of the subject property on the immediate north side of Dash Point Road. What appears to be quarry activity is occurring a short distance west of the subject property in the location of a present-day park. The general area is rural in character.

1946 The subject property and immediate area appear as in the 1936 photographs.

1960 The subject property and immediate area appear as in the 1936 and 1946 photographs. Scattered residential development has occurred in the vicinity, which no longer appears rural in character.

1969 The subject property and immediate area appear as in the 1960 photograph.

1974 The structure formerly present on the subject property has been demolished, and the currently-day structure is present. Other than the area of the structure on the property, the lot has been cleared of brush and trees but has not been paved. An apparent commercial structure is present on the immediate north side of Dash Point Road across from the subject property, likely the Unocal Station identified in agency databases.

1980 The lot on the subject property is now paved. A park is now present west of the subject property in the area which appeared to previously be a quarry. Land clearing has occurred south of the subject property on the site of the present-day motel.

1985 The subject property and immediate area appear as in the 1980 photograph. The motel is now present immediately south of the subject property.

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1990 An awning or elevated cover is present along the western boundary of the lot on the subject property. An apartment building has been constructed on the east side of Pacific Highway South across from the subject property.

1997 The subject property appears as present. The Shell Station has now been constructed on the north side of Dash Point Road across from the subject property.

Note: Aerial photographs only provide information on indications of land use and no conclusions can be drawn from the photographs alone.

5.0 SITE RECONNAISSANCE AND INTERVIEWS

Kleinfelder's assessment activities included personal on-site and telephone interviews, and a property visit. This section summarizes the findings from the site visit, and interviews.

On May 16, 2000, an Environmental Scientist (Tim Stott) from Kleinfelder visited the subject property. During the site visit, the Kleinfelder representative was accompanied by Mr. Lee Forte, proprietor of 40-Rentals. The purpose of the visit was to look for visual indications of possible soil and/or groundwater contamination resulting from past or current site use. The site visit included a visual review of the property for indications of activities such as waste storage and disposal, storm drainage, underground and aboveground storage tanks, and hazardous-material storage or use areas. Observed conditions are described below. Photographs taken during the site visit are provided in Appendix D.

Mr. Forte indicated that he was aware that a UST had been removed from the site when it was operated by Rental Mart. Concerning hazardous materials used at 40 Rentals, Mr. Forte explained that small quantities of kerosene for retail sale were stored outside of the rental building in the approximate location of the former diesel UST (removed in 1993). Mr. Forte also stated that an above-ground propane tank had previously been along the eastern side of the property, several hundred feet north of the rental building. Waste oil was occasionally generated during maintenance of rental equipment, that according to Mr. Forte, was picked up by a waste oil recycling company. The waste oil was stored in the western site of the service bay in 55-gallon drums. Mr. Forte stated that he was not aware of any environmental liens associated with the subject property, or contamination on the subject property.

Two collection sumps were observed in the floor of the service bays in the on-site structures (Figure 2). Two more similar sumps were located on the exterior of the building, one on the north side and one on the west side. One of the collection sumps is located within a few feet of

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an area of hazardous material storage (used oil, paint, and wax stripper, see Section 5.2) that contained six 55-gallon drums of waste oil. An approximate 50 square-foot area of dark staining was observed on the concrete floor adjacent to the hazardous materials storage area (Drum Storage Area, Figure 2). The concrete of the floor and sump was observed to be cracked in several places. Upon closer inspection, one of the sumps was found to be full of water exhibiting a slight hydrocarbon sheen. According to Mr. Forte, the sumps are connected to the storm water system. Exit piping could be observed in one of the sumps.

Several storm drains were observed in the asphalt parking lot. A concrete pad, approximately 50 square feet in size, was observed on the northwest side of the lot. Mr. Forte said the pad dated from when the facility was operated as Rental Mart, and he did not know the purpose of the pad. The construction of the pad is consistent with concrete patching, or for supporting material storage.

5.1 Physical Setting Analysis

The subject property consists of a rectangular-shaped parcel of land approximately 23,522 square feet in size, which includes a single-story with mezzanine steel structure approximately 6,350 square feet in size (Figure 2). The subject property is located in a mixed commercial and residential area of Federal Way. The subject property is bound to the north by Dash Point Road, to the west by 16th Avenue South, to the east by Pacific Highway South, and to the south by a motel. The property is generally flat, with an embankment present along the western boundary below 16th Avenue South.

Heating is provided by electric baseboard heating in the office areas of the structure and electricity is provided by Puget Sound Energy. Water and sanitary sewer service is provided by Lakehaven Utility District. Runoff is directed to storm drains located in the asphalt paved parking lot, and within the service bays of the on-site structure. Utility service was apparently provided when the facility was constructed in approximately 1970. No open ditches or drainage culverts were observed on the property.

The subject property is entirely developed as a commercial business, and no wetlands or critical habitats are present on the property.

5.2 Hazardous Substances in Connection with Identified Uses

Several potentially hazardous substances were identified on the subject property during the site visit. Six 55-gallon drums of used oil were observed within a secondary containment pallet in a

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service bay on the western side of the 40 Rentals Building, and an approximate 50 square-foot area of dark petroleum staining was observed on the concrete floor adjacent to the drums. Approximately six 5-gallon buckets of paint, a 5-gallon bucket of wax stripper, and several gallon cans of paint were also observed in this location. According to Mr. Forte, he plans on having these materials removed.

Two collection sumps were observed in the floor of the service bays. One of the collection sumps is located within a few feet of the hazardous materials and area of floor staining. As previously mentioned, the concrete of the floor and sump was observed to be cracked in several places. Upon closer inspection, one of the sumps was found to be full of water exhibiting a slight hydrocarbon sheen. According to Mr. Forte, the sumps are connected to the storm water system. Exit piping could be observed in one of the sumps.

5.3 Storage Tank Information

As previously mentioned, two USTs are known to have previously existed on the subject property associated with the Rental Mart. A septic tank is also known to have existed on the property, and this septic tank may still be present. Underground storage tank(s) were likely associated with the former service station located on the property, and despite conjecture in one of the reports written when a UST was removed from the Rental Mart, such tanks may still be present on the property. No above-ground storage tanks or evidence of USTs, such as vent or fill lines, were observed during our site visit.

5.4 Indications of Polychlorinated Biphenyls (PCBs)

A number of fluorescent light fixtures are present within the on-site structure. The electrical ballasts associated with these fixtures potentially contain PCBs. When these light fixtures are removed, any oil-filled electrical ballasts or other electrical equipment should be segregated, inspected and/or tested for PCBs, and properly disposed of.

No transformers were observed on the subject property.

5.5 Indications of Solid Waste Disposal

We did not observe any indication of improper disposal of solid waste on the property.

5.6 Other Conditions of Concern

Presented below is a listing of other issues reviewed as part of this assessment.

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5.6.1 Asbestos and Lead Paint

Several suspect asbestos-containing materials were observed in the on-site structure during our site visit, including: "popcorn" textured ceiling, floor tile, and the interior wallboard system. All suspect materials appeared to be in good condition in an intact state, and in our opinion, do not present a health risk in their current condition. However, the Puget Sound Clean Air Agency requires that an asbestos survey be completed by an accredited inspector, and any identified asbestos-containing materials be abated from structures prior to demolition, or re-modeling activity that may disturb the materials.

Based on the age of the on-site structure (constructed in 1970), the presence of lead-based paint is suspect. All painted surfaces generally appeared in good condition during our site visit with little pealing or chipping, and in our opinion, the paint does not present a health risk in such non-residential scenarios. Contractors or others who may come in contact with potential lead-based paint should be notified of the potential presence of lead and be advised to follow applicable occupational health and safety regulation.

5.6.2 Radon Information

Radon is a naturally occurring gas produced by the radioactive decay of uranium and thorium. Adverse health effects can occur when radon migrates from underlying soils or concrete and accumulates inside structures. The EPA has established a radon concentration of 4.0 pico-Curies per liter (pC/l) of air as an "action level" beyond which abatement measures are recommended.

The Puget Sound region of Washington, and the subject site, are underlain by glacially-deposited soils which contain very low concentrations of radon-forming minerals. In 1993, the Washington Department of Health published a listing of radon measurements indicating a state-wide average of 1.0 pC/l, and a King County average of 0.60 pC/l (Washington Department of Health, 1993). Furthermore, the United States Environmental Protection Agency (EPA) has identified King County as having a "Average Radon Potential" (<2pC/liter). Based on this information, it is considered unlikely that radon levels on the site exceed the EPA's 4.0 pC/l action level especially because there are no basement areas. However, Kleinfelder did not collect samples during this assessment to prove or dispute this expectation.

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6.0 FINDINGS AND CONCLUSIONS

The following conclusions are based on Kleinfelder's knowledge of the subject property from our site observations and information gathered during our review. These conclusions are subject to the limitations presented at the end of this report, and may change if additional information becomes available.

Kleinfelder has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527 and Union Bank of California's scope of work. Any exceptions to, or deletions from, this practice are described in Section 2.3 of this report. This work was authorized on May 30, 2000 (Log #E00-1148-T) and conducted in accordance with Kleinfelder's Master Service Agreement with Union Bank of California, dated February 22, 2000.

6.1 Identified On-site Issues

Several recognized environmental conditions were identified in our review of the site, in particular, the former presence of the gasoline and tire service station from 1920 until about 1969. There is the potential that a UST(s) and a septic tank associated with this former business may still exist on the property. Furthermore, there is the potential for soil and groundwater contamination to be present from the former fueling operations and handling.

Six drums of waste oil and a small quantity of paint and wax stripper remain in the rental building.

A 500-gallon diesel UST and a 5,000-gallon gasoline UST were removed from the equipment rental business in 1993, one of which was found to have released gasoline (although all soil contamination was reportedly excavated at the time of removal). Post-excavation soil samples indicated that the MTCA Method A cleanup levels were met. No evidence of the petroleum-impacted soil affecting the regional groundwater quality was reported. Petroleum impacted stock piled soils were transported off site to Roosevelt Regional Landfill for proper disposal.

Various hazardous materials and waste oil containers were observed in the service bays during our site visit, and staining of the concrete floor was also observed in this area. Several runoff collection sumps were observed within the equipment servicing bays of the on-site structure, and in several areas in the lot immediately outside of the structure. One of the sumps within the service bay is in close proximity to the area where hazardous materials and floor staining was observed. The integrity of the sumps and floor is suspect based on observed cracks in the

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concrete. Water in one of the sumps exhibited a hydrocarbon sheen. There is the potential that petroleum products and other hazardous materials have been collected in the sumps and possibly released to the subsurface soils during the historical site operations.

6.2 Identified Off-site Issues

Regarding potential off-site sources of impact, several sites were identified within the specified search distances in our review of regulatory-agency databases. Nearby USTs were also identified. In our opinion none of the identified sites are likely to have impacted the subject property. Furthermore, contamination from such offsite sources (if present) likely does not present an area-wide cleanup liability to the subject property due to Engrossed Senate Bill (ESB) 7900, which provides that the owner of a site that overlies a plume of contaminated groundwater is not strictly liable for that contamination.

7.0 RECOMMENDATIONS

We recommend Phase II investigations of the property to address the identified environmental conditions. Recommended investigations include:

- Complete a geophysical survey of the site to further assess the potential presence of USTs or septic tanks on the subject property.
- Complete subsurface soil and possibly groundwater sampling in areas adjacent to the two collection sumps and drum storage areas located in the service bay of the on-site structure, in the location of the pump dispensers for the former gasoline stations, and in the location of the former gasoline and diesel tanks removed in 1993.
- Remove and properly dispose of the drums of waste oil and paints remaining on site.
- Complete a geophysical and possibly subsurface investigation of the concrete pad or patching observed in the asphalt parking lot located on the northwest side of the facility.
- Complete a utility locate to confrim that the onsite sumps are connected to the existing stormwater system.

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8.0 LIMITATIONS

Phase I Environmental Site Assessments are non-comprehensive by nature and are unlikely to identify all environmental problems or eliminate all risk. The attached report is a qualitative assessment. Kleinfelder offers a range of investigative and engineering services to suit the needs of our clients, including more quantitative investigations. Although risk can never be eliminated, more detailed and extensive investigations yield more information, which may help to better understand and manage site risks. Since such detailed services involve greater expense, we ask our clients to participate in identifying the level of service that will provide them with an acceptable level of risk. Please contact the signatories of this report if you would like to discuss this issue of risk further. .

The scope of work on this project was presented in our identified proposal and subsequently approved by you as our client. Please be aware our scope of work was limited to those items specifically identified in the proposal. Other activities not specifically included in the presented scope of work (in the proposal, correspondence, or this report) are excluded and should not be considered to be a part of our scope of services.

Kleinfelder performed this environmental assessment in accordance with the guidelines set forth in the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (Designation E-1527-97).

Land use, site conditions (both on-site and off-site) and other factors will change over time. Since site activities and regulations beyond our control could change at any time after the completion of this report, our observations, findings and opinions can be considered valid only as of the date of the site visit. This report should not be relied upon after 180 days from the date of its issuance (ASTM Standard E-1527, Section 4.6).

The property owner is solely responsible for notifying all governmental agencies, and the public at large, of the existence, release, treatment, or disposal of any hazardous materials observed at the project site. Kleinfelder assumes no responsibility or liability whatsoever for any claim, loss of property value, damage, or injury which results from pre-existing hazardous materials being encountered or present on the project site, or from the discovery of such hazardous materials.

Any party other than Union Bank of California and Ruth Evans Trust who would like to use this report shall notify Kleinfelder of such intended use by executing the "Application for Authorization to Use" included as Attachment E to this document. Based on the intended use of

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the report, Kleinfelder may require that additional work be performed and that a revised report be issued. Non-compliance with any of these requirements by Union Bank of California or anyone else will release Kleinfelder from any liability resulting from the use of this report by any unauthorized party. No warranty, either express, or implied is made.

9.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

The Phase I Environmental Site Assessment (ESA) was completed by Mr. Timothy Stott and reviewed by Mr. Dennis O'Neill. Mr. Stott is an environmental scientist with 10 years experience, and Mr. O'Neill is a geochemist with 15 years of experience. More detailed resumes are on file at Kleinfelder's office.

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REFERENCES

American Society for Testing and Materials, 1997, Standard practice for environmental site assessments: phase I environmental site assessment process: West Conshohocken, Penn., American Society for Testing and Materials E 1527-97, 24p.

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_____, 1995, Dangerous Waste Regulations, chapter 173-303 WAC: Olympia, Wash., Publications No. 92-91, Amended November.

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Other references as noted in Section 4.0 of this report.

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Reference: DELORME Street Atlas USA - Version 4.0
Used with Permission, Washington, 1996.

N

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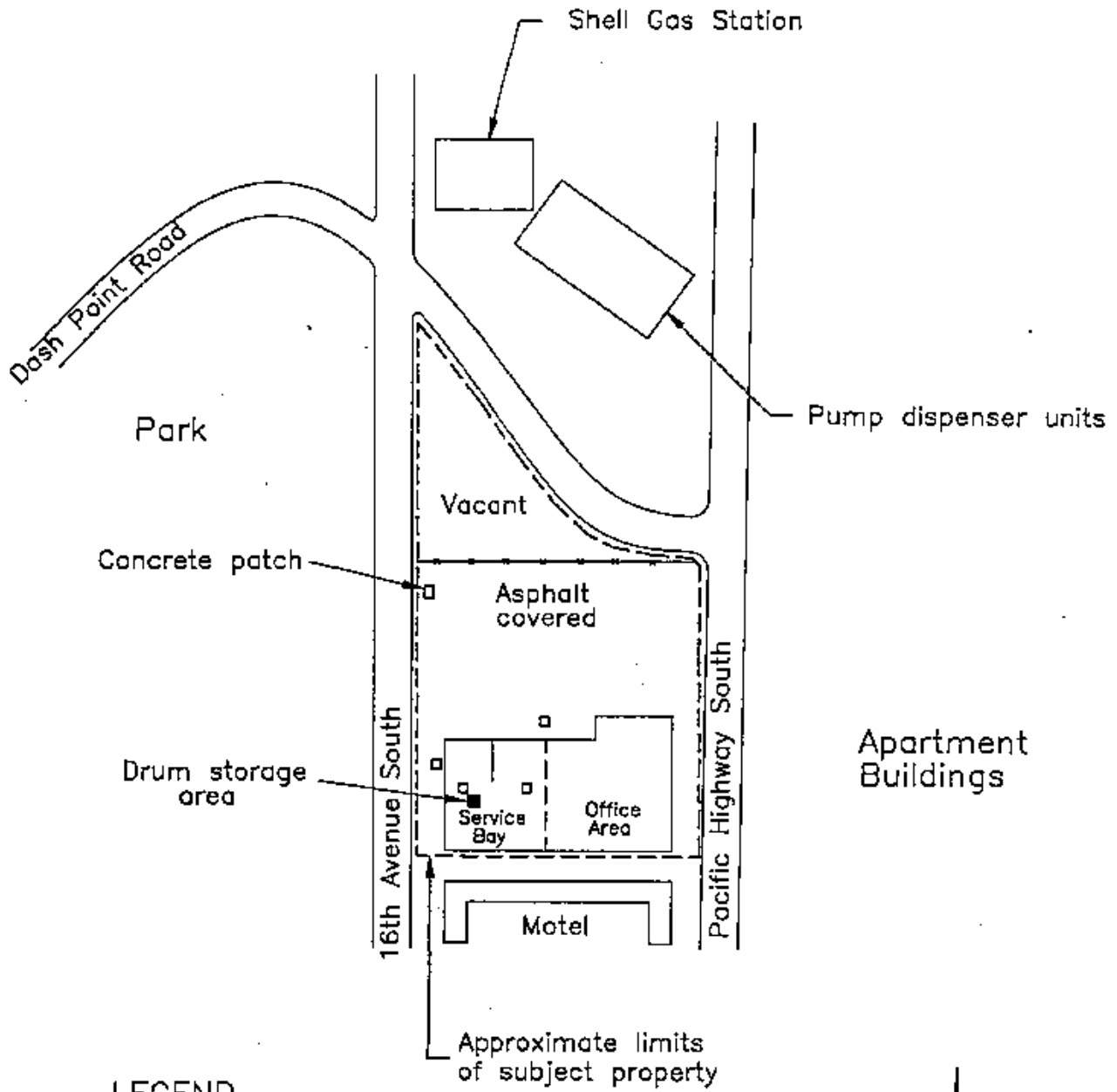
PROJECT NO. Project #: 60-2081-01 May, 2000

Vicinity Map

29805 Pacific Highway South
Federal Way, WA
98003

FIGURE
1



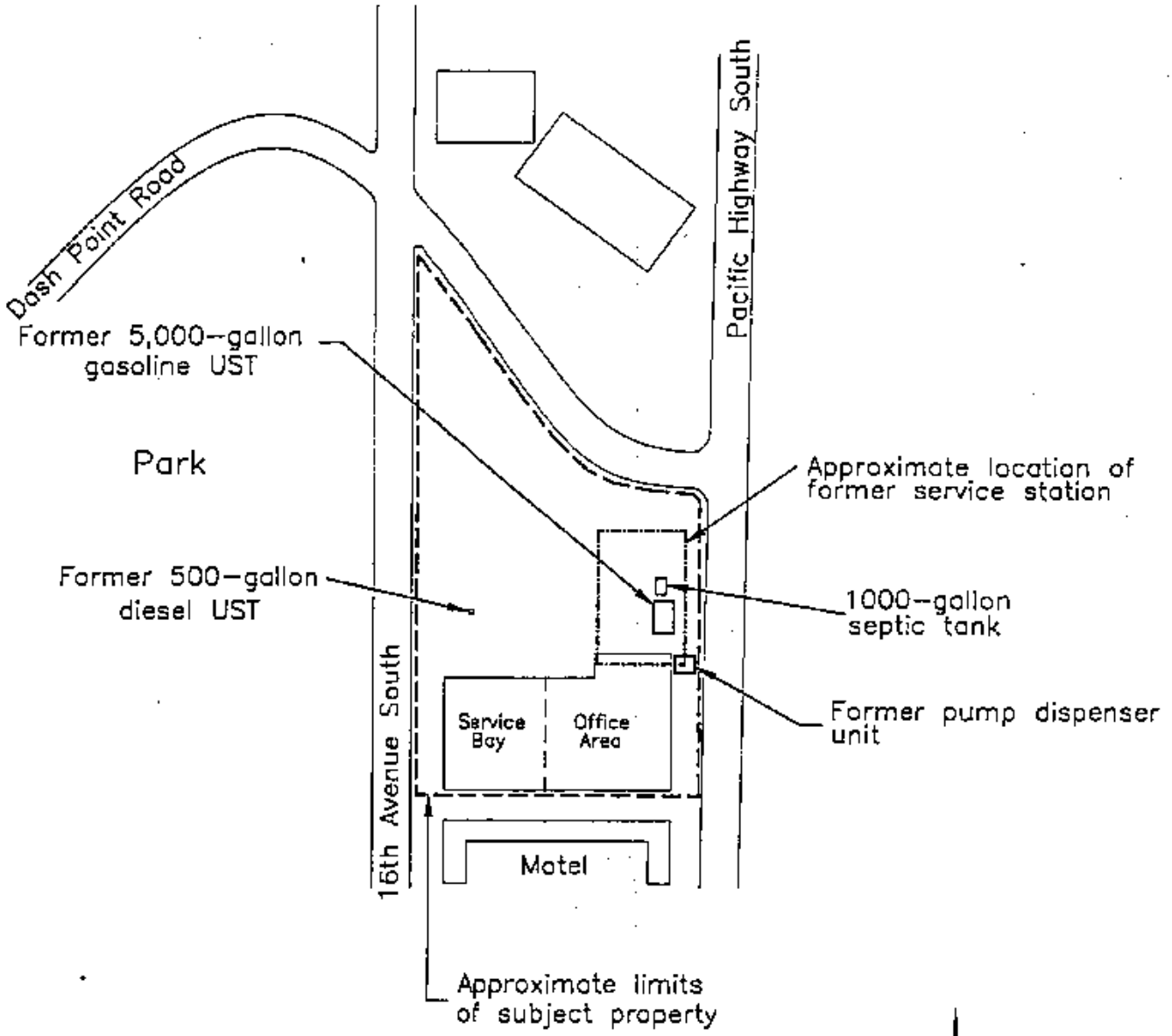
KLEINFELDER

Site Plan
29805 Pacific Highway South
Federal Way, WA
98003

FIGURE
2

Project: 60-2081-01

May 2000



KLEINFELDER

Project: 60-2081-01 May 2000

Past Site Plan

29805 Pacific Highway South
Federal Way, WA
98003

FIGURE
3

LAST BUILDING.
AS17 TXAS
AN07

KING COUNTY DEPARTMENT OF ASSESSMENTS
COMMERCIAL/INDUSTRIAL PROPERTY CHARACTERISTICS

05/16/00 AI110M50
13:56:08 AI110P50

ACCOUNT NUMBER: 042104-9157-0 TAXABLE
TAXPAYER NAME: UNION BANK OF CALIFORNIA NA
PROPERTY NAME: 40 RENTALS

PROPERTY ADDRESS: 29805 PACIFIC HW S FEDERAL WAY
QTR: SW SEC: 04 TWN: 21 RNG: 04 FOLIO: C21479-B-1 AREA: 440
LAND USE: (532) GARAGE-SVC BLDG 2 TO 10K SF LEVY-CODE: 1205

* LAND DATA *	* * * * * * * * * * * * * * * * IMPROVEMENTS SUMMARY * * * * * * * * * * * * * * * * * *
JURISDICTION: FEDERAL W	DESCRIPTION: RETAIL/WHSE — NUMBER OF BLDGS: 1 — GROSS AREA: 6,350
ZONE ACTUAL: BC	YEAR-BUILT: 70 — CLASS: PREFAB STEEL — NET AREA: 6,350
ZONE CODE: COMML	EFF YEAR: 70 — QUALITY: FAIR
SQ FEET: 23,522	LOT COVERAGE: 5,600 — NUMBER OF UNITS:
CORNER LOT: NO	* BUILDING 01 *
WATERFRONT:	DESCRIPTION: RENTAL MARTS — NUMBER OF STORIES: 1 — GROSS AREA: 6,350
PERCENT USABLE: 100	YEAR BUILT: 70 — CLASS: PREFAB STEEL — NET AREA: 6,350
TOPOGRAPHY:	EFF YEAR: 70 — QUALITY FAIR — HEATING: SUS. HTR
SHAPE: REGULAR	% COMPLETE: 100 — SPRINKLERS: NO
ACCESS: STANDARD	* * * * * * * INTERIOR SECTIONS * * * * * * * | * ACCESSORY SUMMARY *
VISUAL EXP: STANDARD	
OPEN SPACE: NO	
RESTRICTIVE COND: NO	
CONTAMINATED PROP: NO	

SECTION	USE CODE & DESCRIPTION	STORY HEIGHT	NET AREA
1	C03-STORE,SPECIALITY	09	3,350
2	D06-GARAGE,STORAGE	12	2,250
3	C92-SEMI-FINISHED AREA	08	750

NEXT ACCOUNT: 042104 9157 0 NEXT BLDG: __ JUMP CODE: _____

ENTER-PF1--PF2--PF3--PF4--PF5--PF6--PF7--PF8--PF9--PF10-PF11-PF12-PF13-PF14-PF15-PF16-PF17-PF18-PF19-PF20-PF21-PF22-PF23----PF24--
HELP END MENU CHAR RCVB HIST LEGL APPR PF-HELP MENU+

Page: 1 Document Name: Assessor

```
                                KING COUNTY DEPARTMENT OF ASSESSMENTS                          C
AS37                                  REAL PROPERTY HISTORY                                PAI11070-S1
ACCOUNT NUMBER: 042104-9157-0           PROPERTY ADDRESS: 29805 PACIFIC HW S                05/16/00
TAXPAYER NAME:  UNION BANK OF CALIFORNIA NA
                                        QTR: SW SECT: 4 TWN: 21 RNG:  4  FOLIO: C21479-B-1   SUBAREA: 440-000
SHORT LEGAL DESCRIPTION: LOT                BLOCK       PLAT:
0
* * * * * * * * * * * * * * V A L U E   H I S T O R Y * * * * * * * * * * * * *
```

Page: 1 Document Name: Assessor

NEXT ACCOUNT NUMBER REQUIRED.

AS37 KING COUNTY DEPARTMENT OF ASSESSMENTS PAI11080-S1
REAL PROPERTY LEGAL DESCRIPTION 05/16/00
ACCOUNT NUMBER: 042104-9157-0 PROPERTY ADDRESS: 29805 PACIFIC HW S
TAXPAYER NAME: UNION BANK OF CALIFORNIA NA QTR: SW SECT: 04 TWN: 21 RNG: 04 FOLIO: C21479-B-1 SUBAREA: 440-000

LEGAL DESCRIPTION - PAGE 1 NOTE: READ LEGAL LINES LEFT TO RIGHT ACROSS SCREEN.
LOT BLOCK PLAT:

N 100 FT AS MEAS ON W LN OF BEG 241.13 FT M/L TO W LN OF PAC HWY LN OF NW 1/4 OF SW 1/4 TH S AT PT 30 FT E & 329 FT N OF SW TH N ALG SD W LN OF HWY 329.57 FT 329.91 FT TO POB COR OF NW 1/4 OF SW 1/4 TH E TH W 234.86 FT TO PT 30 FT E OF W

* * * END OF LEGAL DESCRIPTION * (0.1)

NEXT ACCOUNT: 042104 9157 0 JUMP CODE: _____
ENTER-PF1--PF2--PF3--PF4--PF5--PF6--PF7--PF8--PF9--PF10-PF11-PF12-PF13-PF14-PF15-PF16-PF17-PF18-PF19-PF20-PF21-PF22-PF23----PF24--
HELP END MENU CHAR RCVB HIST LEGL APPR PF-HELP MENU+

Date: 5/16/ 0 Time: 01:56:26 PM

RPCI 042104915709 DOC: 07/14/99 REVALUE ST:CURNT ACTIVE
UNION BANK OF CALIFORNIA NA772501 N 100 FT AS MEAS ON W LN OF BEG
R E OPERATIONS/ACCTS PAYABL 05/16/00 AT PT 30 FT E & 329 FT N OF SW
PO BOX 85602 COR OF NW 1/4 OF SW 1/4 TH E
SAN DIEGO CA 92186 241.13 FT M/L TO W LN OF PAC HWY
LOT:04-21-04 BLOCK:9157 LAST LEGAL TH N ALG SD W LN OF HWY 329.57 FT
IS 8 TH W 234.86 FT TO PT 30 FT E OF W

RY	OY	ST	SC	NC	LEVY	OM-LV	LAND	IMPS	BILLED	PAID	P	A
01		T			1205		164,600	128,000	.00	.00		
00		T			1205		164,600	128,000	3,938.05	.00	F	
99		T			1205		164,600	128,000	4,050.10	4,050.10		
98		T			1205		164,600	128,000	4,075.75	4,075.75		
97		T			1205		164,600	128,000	4,392.59	4,392.59		
									TOTAL DUE:	4,492.39		

YEAR	RECEIVABLE TYPE	LEVY	BILLED AMT	PAID AMT	ACRE	BENEFIT
00	SURFACE WATER	9443	553.40	.00		
00	NOXIOUS WEED	9420	.94	.00		
99	SURFACE WATER	9443	553.40	553.40		
99	NOXIOUS WEED	9420	.94	.94		
98	SURFACE WATER	9443	553.40	553.40		
98	CONSERVATION	9430	5.00	5.00		

RPCI 042104915709 JUMP CODE: _____ AS37 ADDITIONAL DATA P/N

Sheet 9 | Limits CC | Code No. | Permit No.

2 Addition TAX LOT | Name

Section SW 14 | Twp. 21 N. | Range 4 | Ewm | Block | Tract or Lot No. Tax Lot 33

Description

3 Address — Property 3965 Pacific Highway So. | Cont. Purchaser

4 Fee Owner ANDREW OTTO 10-23-28

5 Architect | Contractor

Orig. Cost

Building Tavern & Gas Station

1 Story

K Stores

2 Rooms

1 cheap room under store

Foundation P & B.

Roof Tar Paper

Basement None

Store Fronts large mesh Marquee 12x14 168 s.f. 3x70 210 s.f.

Exterior Frame Shiplap

Extra Features None

Construction Medium

Miscellaneous see remarks

Condition: Exterior fair Interior poor Found. poor

Main Support Column 8 x 8 Footing conc Span 12' Ft.

First Floor Joist 2x6-24 o/c. Inch Centers Bridged

Finished Building

Gross Income $ Expenses $ Net Income $

12 Depreciation: Cond. 60 % Obslse. % Econ. Suit. % Total 60%

Year Built 1920 Remodeled 20

Effective Age 18 Years Future Life 12 Years

Dimensions 24 x 84 x Square Ft. Area Cubic Ft.

VOID

Interior

Post & Beam

3 Partitions

2x4 Ceiled Fir Trim

Floors

Fir

Fire Place

None

Plumbing 2 K & B Fix. 1 Tub Bath & toilets 2 basins 1 sink cheap

Tile Work none

Wiring open 24 outlets

Heating Stove

Elevators none

Ceiling — Height 1st flr 8 ft.

1859 11/69 RLL 50%

2016

Improvement Value

Main Building $ 550.

Other Buildings $ 0.

Total $ 550.

Assessed Value 50% $ 270.

Date 1-1-38.

Land Information

1. Size x

2. Street — Road

3. Sidewalk

4. Landscaping

5. Trend Value $

6. Use

7. District

Other Buildings	Construction	Floor	Roof	Sty.	Dimension	Area	Value
P. H.	Conc	conc	paper	1	6 x 7	42	$21.

Owner or Contract Purchaser	Date	File No.	Price	Mtge.	Stamps
1/2 Int. JENNINGS CLERGET	1-17-41	E191214	37 [illegible]		
1/2 DR. THOS MURPHY	7-31-69	E080323	[illegible]		

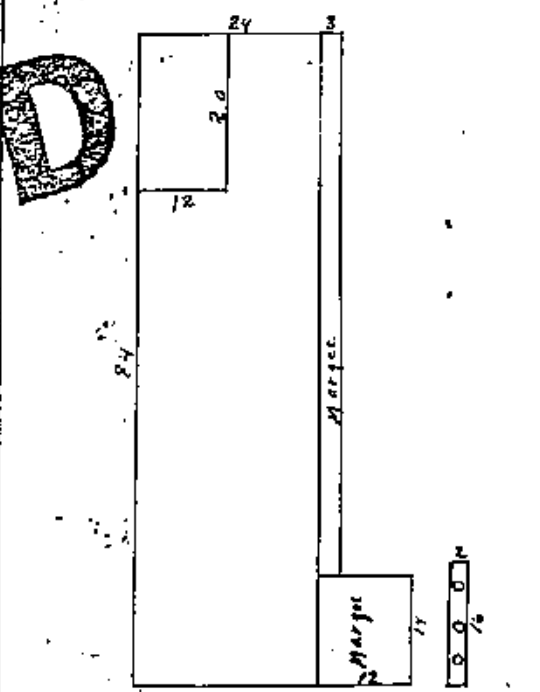
VOID

Remarks

71-1600

SC = 20'

Floor Plan



DISTRICT 9 LIMITS CC

CODE NO.

PERMIT NO.

2 ADDITION TAX LOT NAME

SECTION 34 TWP. 21 N. RANGE 4 EWM. BLOCK TRACT OR LOT NO. Tax Lot 33

DESCRIPTION

3 ADDRESS — PROPERTY

4 FEE OWNER H

5 ARCHITECT

CONT. PURCHASER

ORIG. COST

6 BUILDING

~~Tavern & Gas Station~~

1 Story

~~X~~ Stores

~~2~~ Rooms

1 cheap room under store

BASEMENT None

FOUNDATION P & B.

ROOF Tar Paper

INTERIOR

Post & Beam

~~3~~ Partitions

~~2x4~~ Ceiled Fir Trim

FLOORS

Fir

FIRE PLACE

None

PLUMBING ~~2~~ 8 Fix. ~~1 Bath Room~~

~~2~~ toilets 2 basins 1 sink cheap

TILE WORK none

WIRING open 24 outlets

HEATING Stove

ELEVATORS none

CEILING — HEIGHT 1st flr 8 ft.

INTERIOR poor FOUND. poor

FOOTING conc SPAN 12' FT.

C. INCH CENTERS BRIDGED

NET INCOME $

% ECON. SUIT. % TOTAL 60

REMODELED no

YEARS FUTURE LIFE 12 YEARS

SQUARE FT. AREA CUBIC FT.

2016

IMPROVEMENT VALUE

MAIN BUILDING $ 530.

OTHER BUILDINGS $ 10.

TOTAL $ ~~540~~ 320

ASSESSED VALUE 50% $ ~~270~~ 160

DATE 1-1-38.

LAND INFORMATION

1. SIZE X

2. STREET — ROAD

3. SIDEWALK

4. LANDSCAPING

5. TREND VALUE $

6. USE

7. DISTRICT

C	OTHER BUILDINGS	CONSTRUCTION	FLOOR	ROOF	STY.	DIMENSION	AREA	VALUE
	P. H.	Conc	conc	paper	1	6 x 7	42	$21.

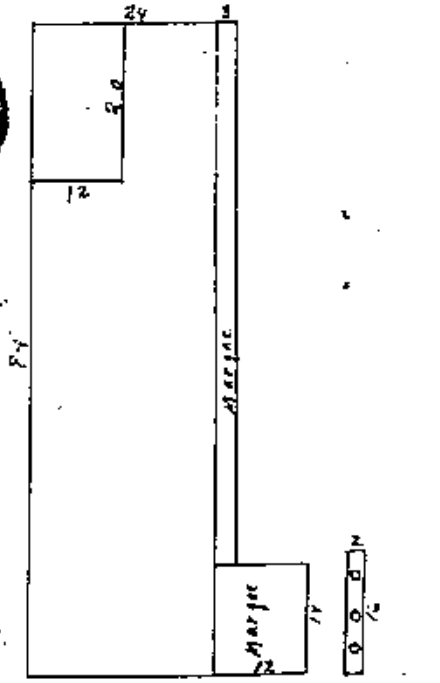
C	OWNER OR CONTRACT PURCHASER	DATE	FILE NO.	PRICE	MTGE.	STAMPS
	[illegible]					
P/S	[illegible] JENNINGS & ALBERT	11-17-66	E6-1226	32 [illegible]		
W/D	MR. THOS MURPHY	7-21-69	E09323	[illegible]		

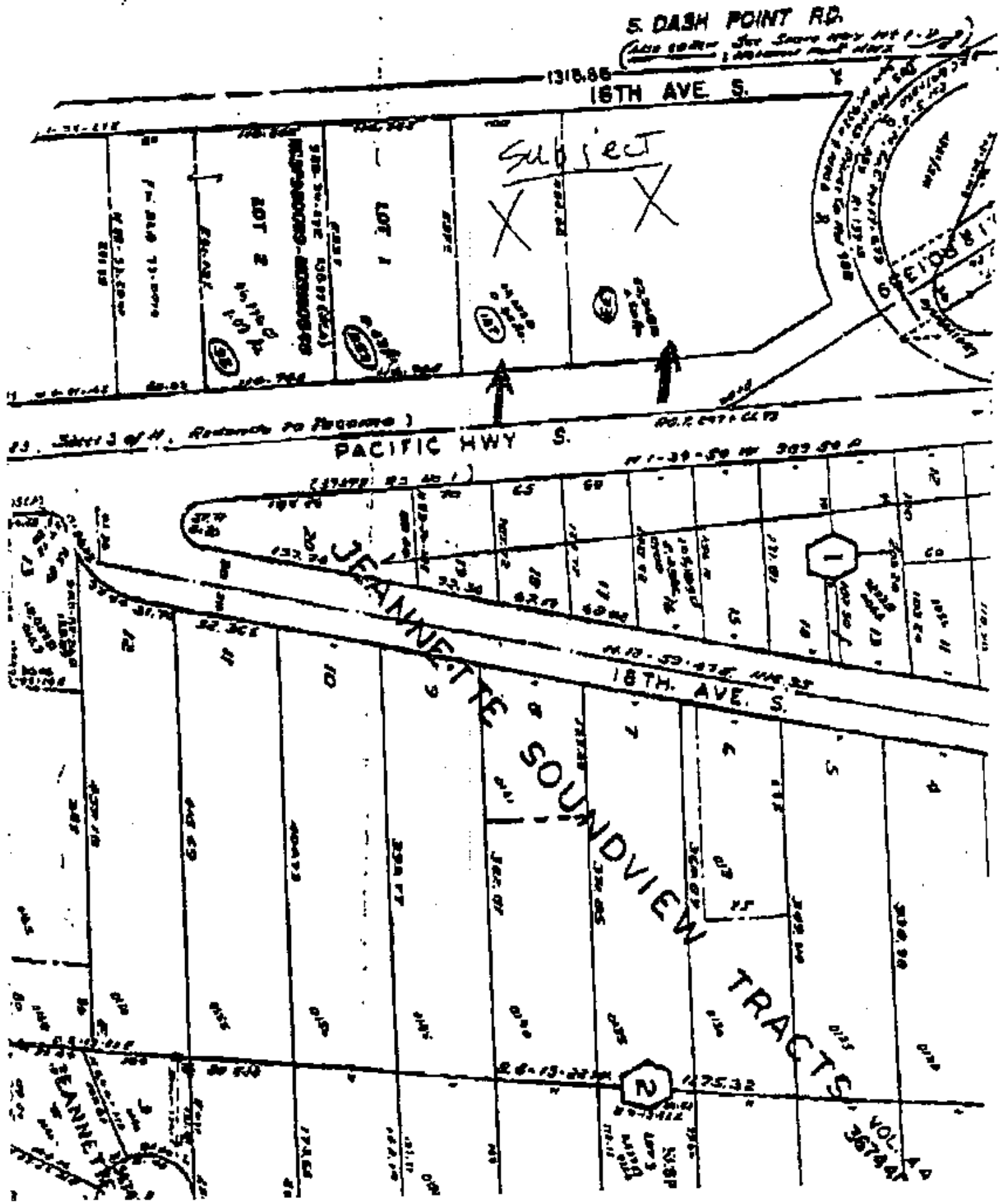
REMARKS

71-1660

scale

FLOOR PLAN




S. DASH POINT RD.
1318.86
18TH AVE. S.
Subject
LOT 2
LOT 1
PACIFIC HWY S.
JEANNETTE
18TH. AVE. S.
SOUNDVIEW TRACTS
VOL. 36 PAGE
JEANNETTE

LAND CLASSIFICATION OR SEGREGATION

STION SW¼ 4
TWP. 21
NGE 4

That por NW¼ of NW¼ of SW¼ ly W of Pac Hwy & S of Nat'l Park Hwy ~~2x~~ W 30' (pt 11)

AERIAL PHOTO
QUARTER MAP
PLAT MAP

Folio # Co 21479

K LOT NO. 33
RCEL NO.
LOT NO.
OCK NO.

YEAR	AC.	LAND	BLDGS.	TOTAL	DATE	BY	REMARKS
19 38			270				
19 39	1¾	170	270	440			
19 40		200	270	470			
19 41		200	270	470	9-16-41	MS	
19 49	1¾	250	500	750	1/29/49	JB	Pac Hwy
19 50	1¾	1600	2100	3700	3-7-50	LL	Old Logger Bldg NLTR 5009)
19 59	"	1640	950	2590	9/25/59	EB	
19 63	"	2000	1250	3250	3-16-63	RV	
19 64		2600	800	3400	9-14-64	RV	
19 65		2600	1200	3800	9-14-65	RV	
19 66		2600	1400	4000	9-14-66	RV	
19 67		2600	1600	4200	9-14-67	RV	
19 68		2600	1800	4400	9-16-68	RV	
19 69		2600	2000	4600	9-15-69	RV	
19 70		2600	2200	4800	9-14-70	RV	
19 71	L	11800 B	1600 T	13400	9-21-71	RV	Bldg - Mobile Home Park 5090 only
19 72		11800	1850	13650	9-10-72	RV	
19 73		11800	2000	13800	4-26-73	RV	
19 74		11800	2000	13800	12/15/74	RV	
19 75		11800	2000	13800	5-10-75	RV	
19							
19							
19					

#47 imp. tone house 4/71 04210Y - 9033

ASSESSOR'S FORM #49

ASSESSMENT REVIEW

DATE 10/13/71

Made by D. Blanchard

Owner's address [illegible] Phone [illegible]

Real Property Described as [illegible]

Property address 2945 S. Garden [illegible]

Addition 21479

Lot [illegible] Blk [illegible] SW Folio # [illegible]

Tax Lot 33 Sect NE4 Twsp 21 Rng 4

Assessed Valuation - Land 11800

Assessed Valuation - Improvements 1852

Remarks: Building Permit

Ok for Roof & Deck

New Building

Taken by D. Blanchard

SW¼ 4-21-4

TL 33 THAT PCR NW¼ OF NW¼ OF SW¼ LY W OF PAC HWY & S OF NAT'L PARK HWY W 30' (PT11)

ADDITION Tax Lot

N 2t 1/4 SECTION 4 TWP. 21 N. RANGE 4 BLOCK LOT 35

DESCRIPTION Legal on back

LIMITS

OWNER OR CONTRACT PURCHASER	DATE	FILE NUMBER	PRICE	REMARKS

DISTRICT:	ROAD	SCHOOL	WATER	FIRE	SEWER	FLOOD ZONE	HOSPITAL	PARK & REC. DIST.	AIRPORT	METRO		LEVY CODE
Co	2	210	1024	32								3488

ASSESSED VALUE

YEAR	ACRES	TIMBER	LAND	BLDGS.	TOTAL	DATE	BY	REASON	SEG. NO.
1971			55280	—	55280	8/9		50% Corr	
1973			154450	—	154450	5-10-73	ahl	Rev	
19									
19									
19									
19									
19									
19									
19									
19									
19									
19									

IDM 9-71

1. DISTRICT 2 LIMITS CODE NO.

2. ADDITION TAX LOT — C42104-9035 — 525 — 3488. — 4405 — F-8

SECTION SW¼ 4 TWP 21 N. RANGE 4 EWM. BLOCK TRACT OR LOT NO. Tax lot 35

DESCRIPTION

3. ADDRESS OF PROPERTY

4. FEE OWNER Edna Hope Kerr CONTRACT PURCHASER 10-10-35.

LAND INFORMATION

1. SIZE OF TRACT OR LOT X TOPOGRAPHY GRADE FT. 2. STREET-ROAD SURFACE

ALLEY 3. SIDEWALK SEWAGE WATER PUMP DRAINAGE

4. LANDSCAPING CONDITION 5. TREND VALUE OF LOT $ FRONT STREET

FACTOR $ SIDE STREET FACTOR $ DEPTH FACTOR $ CREDIT

6. USE 7. DISTRICT

LAND USE	SOIL TYPE	CROPS-TIMBER STAND	NO. ACRES	VALUE ACRE	VALUE
				$	$
					$
					$
					$
				TOTAL	$

ASSESSED VALUE LAND

LOT $

UNIMPROVED ACRES $

IMPROVED ACRES $

OTHER LANDS $

TIMBER $

TOTAL ASSESSED VALUE 50% $

DATE

REMARKS

C	OWNER OR CONTRACT PURCHASER	DATE	FILE NO.	PRICE	MTGE.	STAMP
C	C.W. Zaar	10-16-47	F-17453	1000.00	cont	
C	E.H. Savage	"	F-27834		do	
C	Thomas F. Pigott	10-2-63	F-48032	5500.00		
C	John Weaver	10-12-63	F-48377	15000.		
C	Mc HOSS-BROS. INC	7-2-68	F-C05167	$ 1350.00		

DISTRICT: ROAD	SCHOOL	WATER	FIRE	SEWER	HSPTL.	SHIPL.	RAY
2	210	432	124	L. S.			

ASSESSED VALUE — DECREASE OR INCREASE IN ASSESSED VALUATION

YEAR	AC.	LAND	DATE	BY	REASON	LAND DECREASE	LAND INCREASE
19							
1939	1.85	240					
1940		160					
1946		160	8-10-46	NS			
1948	1.85	260					
1956	1.96	330	8-31-56	MB	R V		
1958	"	990	11/25/58	QC	Rel.		(Mg Legal 9/24/58 NL(T) F-5010)
1961		1320	9-1-61	LL	R		
1963	1.46	920	11/9/63	GA (T)	Sep TL (157) Pc (TL)	L-	1896
1968		2790	2-16-67	SCB	Rbw		
19							

VACAT 71 L 5580 B T 5580*C42104-9035-0 8/9 LB

LAND CLASSIFICATION AND SEGREGATION

THIS SQUARE INDICATES _____ ACRES

INDICATE BY AREAS, USE OF LAND BY MARKS AND TYPE BY LETTERS

SECTION SW¼ 4
TWP 21 N
RANGE 4 E

TAX LOT NO. 35
PARCEL NO. _____

N 329.91' of S 659.82' of NW¼ of SW¼ ly W of Pac H-W less W 30' (Pt 11)
LESS N 100' OF POR LY E OF W 30'

AERIAL PHOTO _____
QUARTER MAP _____
PLAT MAP _____

Folio # Co 21479

LAND USE		ACRES
111	CULTIVATED	
#	PASTURE	
OO	TIMBER	
XX	STUMP	
...	GRAVEL OR USELESS	
V	SWAMP	

LAND TYPE		ACRES
A	SHOT CLAY	
B	BOG	
C	PEAT	
D	SILT	
E	_____LOAM	
F	GRAVEL	
G	BOTTOM	
H	UPLANDS	
K	HILLY	

IF USED AS ¼ SECT. SCALE ONE INCH 400 FEET OR 160 ACRES OR 2640 FEET
IF USED AS ¼ of ¼ " SCALE ONE INCH 200 FEET OR 40 ACRES OR 1320 FEET
IF USED AS ¼-¼-¼ " SCALE ONE INCH 100 FEET OR 10 ACRES OR 660 FEET

ADDITION TAX LOT

SW 1/4 SECTION 4 TWP. 21 N. RANGE 4 BLOCK LOT 157

DESCRIPTION N 100' AS MEAS ON W LN OF FOLG: BEG AT PT 30' E & 329' N OF SW COR OF NW¼ OF SW¼ TH E 211.13' M/L TO W LN OF PAC HWY TH N ALG SD W LN OF HWY 329.57' TH W 231.86' TO PT 30' E OF W LN OF NW¼ OF SW¼ TH S 329.91' TO POB.

LIMITS

OWNER OR CONTRACT PURCHASER	DATE	FILE NUMBER	PRICE	REMARKS
THOMAS E. PIGOTT	2/13/63			
W/D THOMAS MURPHY	8-12-69	E 68162	$19,000	

DISTRICT:	ROAD	SCHOOL	WATER	FIRE	SEWER	HOSPITAL	AIRPORT	FERRY
	2	210	51	32	L. E.			

ASSESSED VALUE

YEAR	ACRES	TIMBER	LAND	BLDGS.	TOTAL	DATE	BY	REASON	SEQ. NO.
1963	.51		300		300	1/9/63	GA(T)	MSD TL 157 fr 35	L.-- 1896
19 68			840		840	3-16-67	ARB		
19		71 L 1680 B		T	1680*042104-9157-0 8/9				
19									
19									
19									
19									
19									
19									
19									
19									

ZDM 3/62 L. B. N. PRINTING CO.

YR	AC	LAND	BLDGS	TOTAL	BY	DATE	REASON	CD	FEE OWNER	DATE	FILE #	PRICE
73		11250	18950	30200	RJ	7-1-73	Rev					
72 L		1680 B	14475 T	16155*042104-9157-0 9/71								
71 L		1680 B	18240 T	19910*042104-9157-0 9/71								
1970			17230	19010	RJ	7-1-70	New Const.	E	Pigotts	3/4/70	L. H.	
1969	AC	1680		1680	RJ	5-69	Acq. Const.	W	Murphy	3/4/69	E 68162	19,000

COUNTY	ROAD	SCHOOL	WATER	FIRE	SEWER	FLOOD ZONE	HOSPITAL	FR & AGG	METRO
9	2	210	124	32	L S				

FOLIO 21079
PERMIT NO. 1C-0306
DATE 7-2-84

ADDITION Talbot 1st
Section 4 Twp 21 Range 4 E/W Mi. Block ____ Lot ____
Tax Lot 157 Tract Legal on deed
Address 29805 E Silver Springs Hwy 40

For Owner Dr Thomas Murphy Architect ____ Contractor Alfredo Richardson
Zoning C-2 Condition of Exterior G Interior G Foundation G Floor Plan Good ____ Accept. ✓ Poor ____

USE — Store

1 No. Stories 1 Office
MEZZ No. Stores
3 No. Rooms
Basement
1 No. Officers
No. Apartments
1 rm. 2 rm. 3 rm.
4 rm. 5 rm. 6 rm.
Unit Sq. Ft.

ROOF CONSTRUCTION
Frame Joist
Mill & Deck
Rein. Conc. GLB
✓ Steel Fr. Metal Deck
✓ Trusses 50' Span
✓ Wood ✓ Steel

FLOOR FINISHES
Tile Line Form.
Fir Maple
Oak 2x6 TG
Lino 3x6 TG
✓ Cement Lwtwgt Conc.
Terrazzo ✓ Vinyl Tile
Asphalt Tile
Other

Bath Floor
Bath Walls
Tub Recess
Drain Bds.
Vanities

PLUMBING
5 No. Fixtures
2 Toilets ____ Urinals
Tubs Leg. or Pans
1 Basins ____ Dr. Fnts.
Sinks
Washers ____ Dryers
Showers (tub) (stall)
1 H.W. Tanks ____ Ldy. Trays
D-Washers ____ Disposals
Sprinkler Sys.

Date Built 1970 Date Add. Built ____ ✓ Finished Unfinished Remodeled
Effective Age ____ Years Future Life ____ Years
Dep. for Cond. ____ Dep for Ob. ____ Dep. for Ec. ____ Total ____

TYPE OF CONSTRUCTION
✓ Frame
✓ Metal-Prefab
Ordinary Masonry
Mill Construction
Class A Rein. Conc.
Sem. Steel and Conc.
Struct. Steel, Frame
or

QUALITY-TYPE
Good Med. ✓ Cheap

FOUNDATION
Mud Sill Post Pier
✓ Conc. Brick
Load Bgs. Piling

BASEMENT
Full ____ % Part.
Sub-Basement
Size
Garage Rm. Cars
Floors
Plastered Pl. Bd.
No. Apartments
Service Rooms

EXTERIOR WALL CONST.
✓ Single Double
Stud Walls
Brick ____ Pil.
Conc. ____ Pil.
Rein. Conc. Skeleton
Sq. Stl.-Frame
✓ Pre-Fab Metal
Tilt-Up
Filler Wall
Curtain Wall

EXTERIOR FACING
Siding
Stucco ____ Shakes
Mechanicrete
Brick Veneer
Conc. Conc. Blk.
Metal

FLOOR CONSTRUCTION
Joist ____ x ____ C.C.
Mill ____ Cor Deck
✓ R.Conc. ____ Elev.
Steel ____ GLB.
or

ROOF COVERING
Built-Up Tar & Gr.
Comp. ✓ Metal
or

FACTORS
Z
3
60
B

MISC. TANKS, Etc.
HOISTS: Elec. Hyd.

ELEVATORS
Pass. ____ Freight
Auto. ____ Elec.
Man. ____ Hyd.
Doors: Auto ____ Man. ____
Escalators
Steps ____ Speed
Capy.

DOCKS AND PIERS
Hwy. ____ Mod. ____ Lgt.
Untrtd. Pile Timbr.
Conc. Piles & Bms.
Trtd. Pile Timbr.
Paved
Dolphins
Deck

WIRING
Knob & Tube
Flex. Cable
✓ Conduit
Pwr. Wiring
Range Wiring
____ Outlets

HEATING
Elec. ____ Oil ✓ Gas
H.W. ____ St. ____ H.A.
S.Bd. ✓ Suspended
FHA ____ Fireplaces
A. Cond. ____ Wall Unit
Comb. Unit ____ Custom
Refrig. ____ Connector
Heat Pump ____ Fireplace

YEAR	ASSESSED VALUE
1972	18230 CK 71

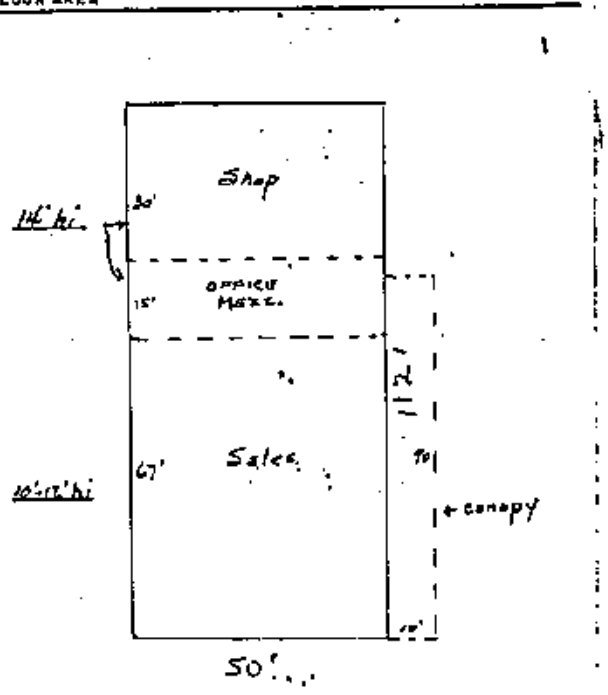
INTERIOR WALLS & CEILING
✓ Stud Wood Metal
Plaster ✓ Dry Wall
Acc. Tile Celotex
Ceiled Plywood
Solid Block
Sound Proofed Lamin.
Finished Unfinished
✓ Painted Varnished

INSULATION
✓ Exter. ____ Partitions
✓ Roof ____ Floor

INTERIOR TRIM
Fir ____ Birch
Mah. ____ Oak
✓ Metal
✓ Wood ____ Metal Doors
Wood ____ Metal Sash
✓ Stained ____ Varnish
✓ Painted ____ Unfin.

C. Hgt. | SB

GROUND FLOOR AREA 5100 ✓
TOTAL FLOOR AREA



JOM 11/78

SITE ASSESSMENT REPORT

PROPERTY INFORMATION	CLIENT INFORMATION
Project Name/Ref #: Not Provided Forte Dash Point Road and Pacific Highway Federal Way, WA Latitude/Longitude: (47.335512, 122.311102)	Tim Stott Kleinfelder 2405 140th Avenue NE, Ste. A10 Bellevue, WA 98005

Site Distribution Summary

Agency / Database - Type of Records			within 1/8 mile	1/8 to 1/4 mile	1/4 to 1/2 mile	1/2 to 1 mile
A) Databases searched to 1 mile:						
US EPA	NPL	National Priority List	0	0	0	0
US EPA	CORRACTS (TSD)	RCRA Corrective Actions and associated TSD	0	0	0	0
STATE	SPL	State equivalent priority list	0	0	0	0
B) Databases searched to 1/2 mile:						
STATE	SCL	State equivalent CERCLIS list	1	0	0	-
US EPA	CERCLIS / NFRAP	Sites currently or formerly under review by US EPA	1	0	0	-
US EPA	TSD	RCRA permitted treatment, storage, disposal facilities	0	0	0	-
STATE	LUST	Leaking Underground Storage Tanks	2	0	1	-
STATE	SWLF	Permitted as solid waste landfills, incinerators, or transfer stations	0	0	0	-
STATE	TOXICS	Washington Site Register	2	0	1	-
C) Databases searched to 1/4 mile:						
STATE	UST	Registered underground storage tanks	2	0	-	-
D) Databases searched to 1/8 mile:						
US EPA	ERNS	Emergency Response Notification System of spills	0	-	-	-
US EPA	LG GEN	RCRA registered large generators of hazardous waste	0	-	-	-
US EPA	SM GEN	RCRA registered small generators of hazardous waste	0	-	-	-

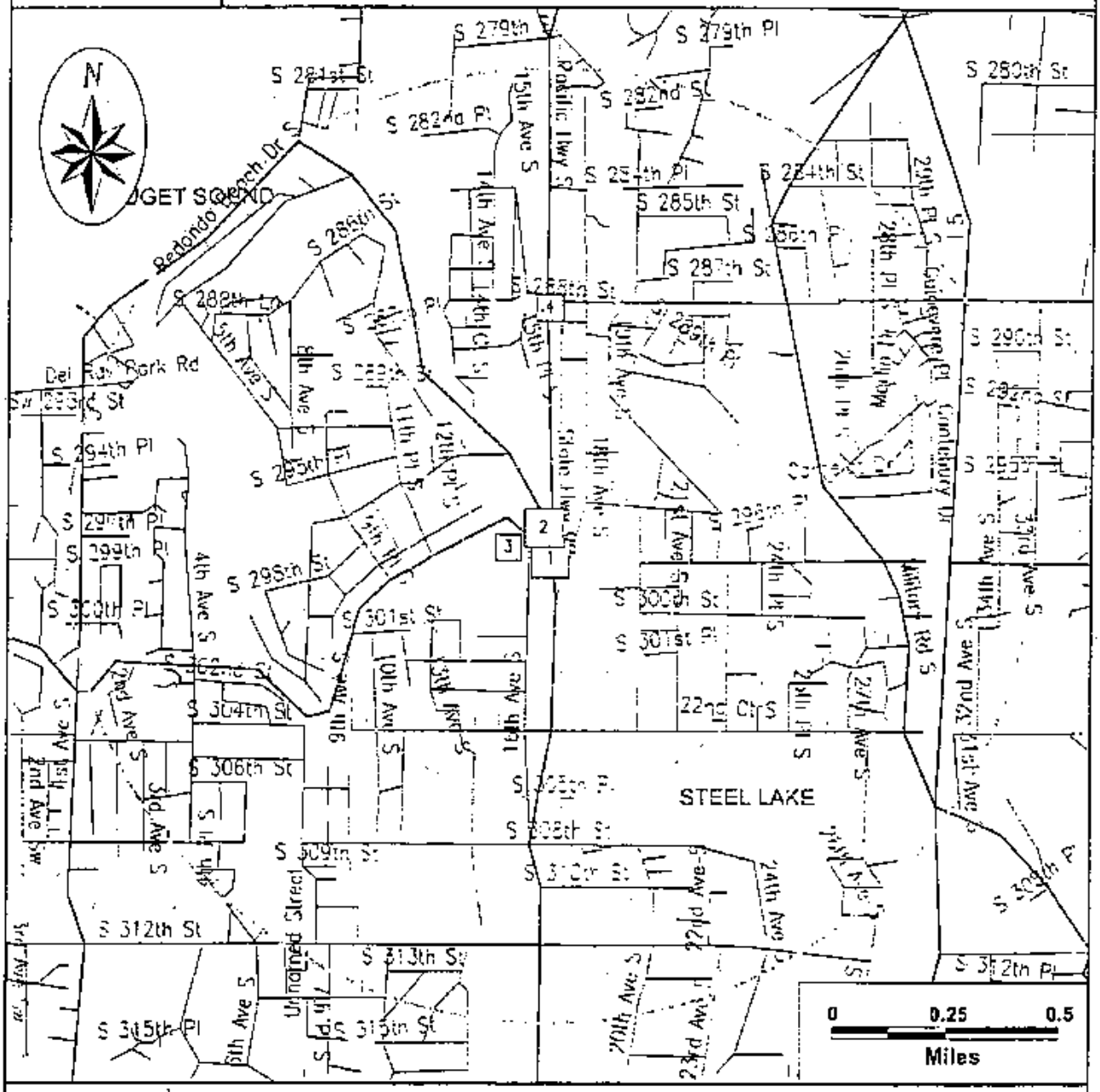
This report meets the ASTM standard E-1527 for standard federal and state government database research in a Phase I environmental site assessment. A (-) indicates a distance not searched because it exceeds these ASTM search parameters.

LIMITATION OF LIABILITY
Customer proceeds at its own risk in choosing to rely on VISTA services, in whole or in part, prior to proceeding with any transaction. VISTA cannot be an insurer of the accuracy of the information, errors occurring in conversion of data, or for customer's use of data. VISTA and its affiliated companies, officers, agents, employees and independent contractors cannot be held liable for accuracy, storage, delivery, loss or expense suffered by customer resulting directly or indirectly from any information provided by VISTA.

NOTES

SITE ASSESSMENT REPORT

Map of Sites within 1 Mile



Subject Site	Category:	A	B	C	D
★	Databases Searched to:	1 mi.	1/2 mi.	1/4 mi.	1/8 mi.
	Single Sites	◆	□	/	○
	Multiple Sites	◆	□	/	○

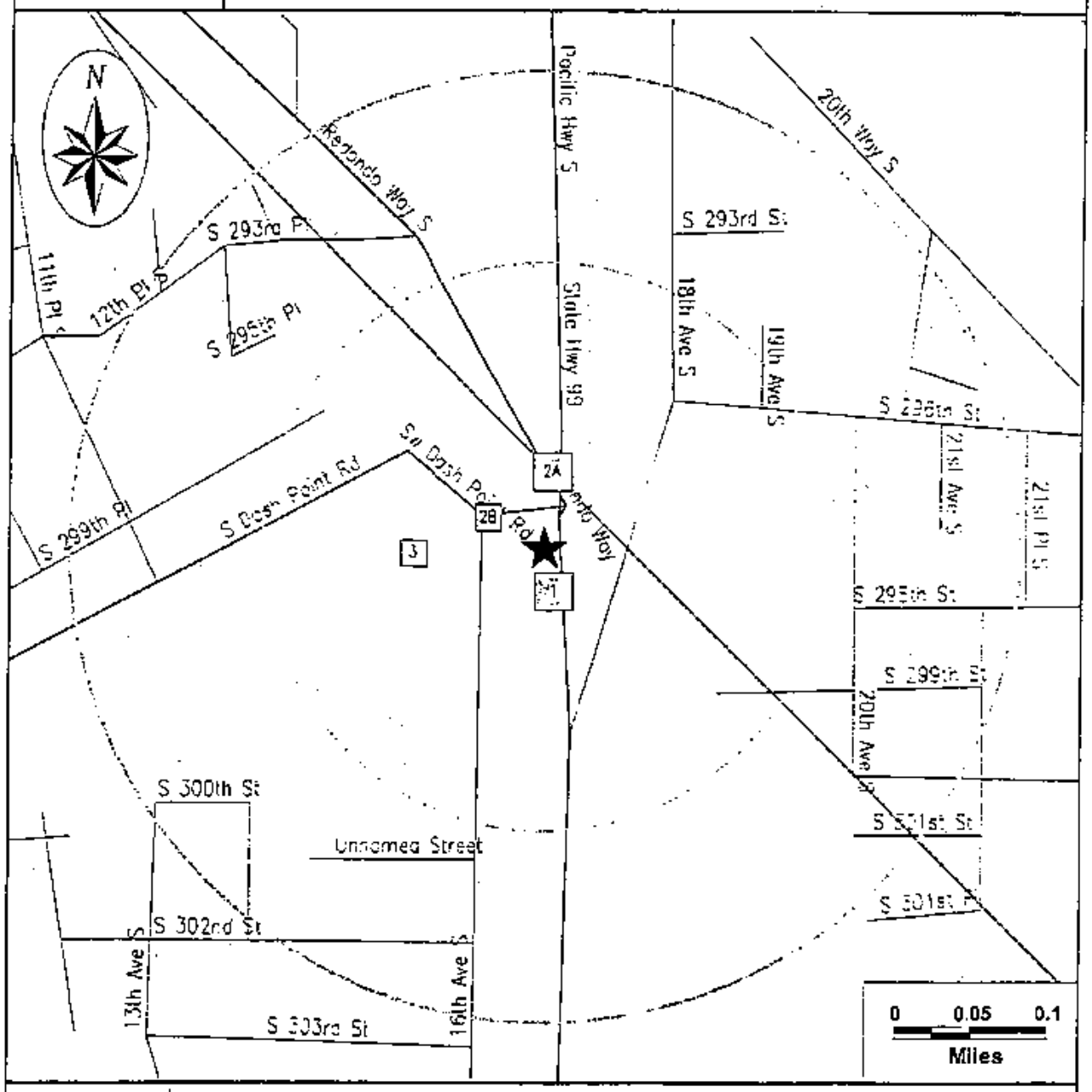
Highways and Major Roads
Roads
Railroads
Rivers or Water Bodies
Utilities

A	B	C	D
NPL, SPL, CORRACTS (TSD)	CERCLIS\ NFRAP, TSD, LUST, SWLF, SCL	UST	ERNS, GENERATORS

For More Information Call VISTA Information Solutions, Inc. at **1 - 800 - 767 - 0403**
Report ID: **973601901**
Date of Report: **May 10, 2000**

SITE ASSESSMENT REPORT

Map of Sites within 1/4 Mile



Subject Site	Category:	A	B	C	D
★	Databases Searched to:	1 mi.	1/2 mi.	1/4 mi.	1/8 mi.
	Single Sites	◆	□	△	○
	Multiple Sites	◆	▣	△	○
Highways and Major Roads Roads Railroads Rivers or Water Bodies Utilities		NPL, SPL, CORRACTS (TSD)	CERCLIS\ NFRAP, TSD, LUST, SWLF, SCL	UST	ERNS, GENERATORS

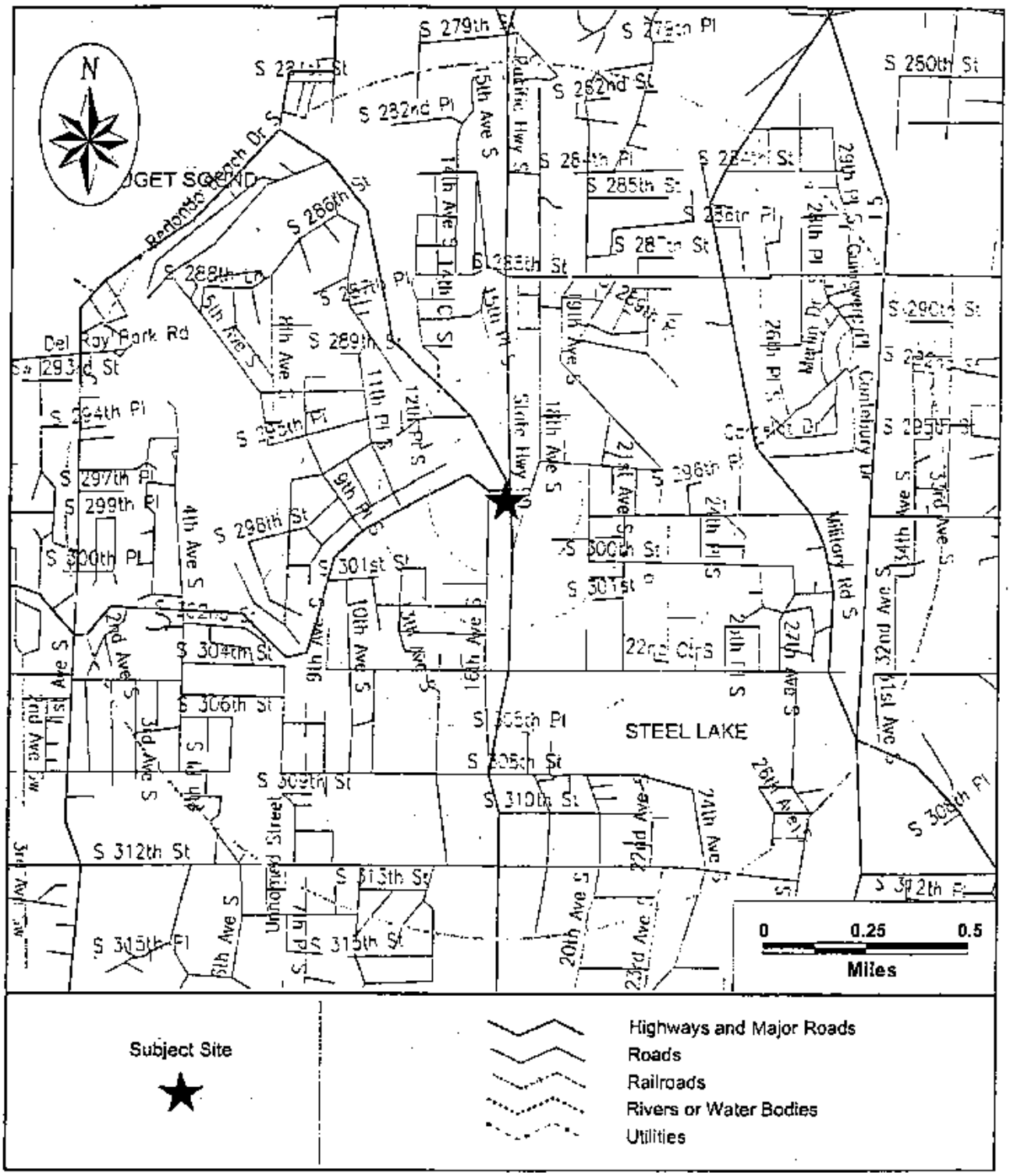
For More Information Call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403

Report ID: **973601901**

Date of Report: **May 10, 2000**

SITE ASSESSMENT REPORT

Street Map



SITE ASSESSMENT REPORT

SITE INVENTORY

MAP ID	PROPERTY AND THE ADJACENT AREA (within 1/8 mile)	VISTA ID / DISTANCE / DIRECTION	A			B						C	D		
			NPL	CORRACTS(TSD)	SPL	SCL	CERCLIS/NFRAP	TSD	LUST	SWLF	TOXICS	UST	ERNS	LG GEN	SM GEN
1	RENTAL MARTS 29805 PACIFIC HIGHWAY S FEDERAL WAY, WA 98003	64522632 0.00 MI NA										X			
1	RENTAL MART 29805 PACIFIC HWY S. FEDERAL WAY, WA 98003	18437858 0.00 MI NA							X		X				
2A	UNOCAL #6227 29625 PACIFIC HWY S. FEDERAL WAY, WA 98003	4267356 0.00 MI NA									X				
2A	509 DELI TOWN PUMP 29625 PACIFIC HWY S FEDERAL WAY, WA 98003	5399024 0.00 MI NA							X			X			
2B	KING CO REDONDO OIL PIT SR 509 16TH AVE S REDONDO, WA 98054	3270021 0.00 MI NA					X								
3	REDONDO OIL PIT KING CNTY 16TH AV S SW DASH POINT RD REDONDO, WA 98054	7854564 0.03 MI W				X									

MAP ID	SITES IN THE SURROUNDING AREA (within 1/8 - 1/4 mile)	VISTA ID / DISTANCE / DIRECTION	A			B						C	D		
			NPL	CORRACTS(TSD)	SPL	SCL	CERCLIS/NFRAP	TSD	LUST	SWLF	TOXICS	UST	ERNS	LG GEN	SM GEN
No Records Found															

X = search criteria; • = tag-along (beyond search criteria).
For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.
Report ID: 973601901 Date of Report: May 10, 2000
Version 2.6.1

MAP ID	SITES IN THE SURROUNDING AREA (within 1/4 - 1/2 mile)	VISTA ID / DISTANCE / DIRECTION	A			B							C	D		
			NPL	CORRACTS(TSD)	SPL	SCL	CERCLIS/NFRAP	TSD	LUST	SWLF	TOXICS	UST	ERNS	LG GEN	SM GEN
4	TEXACO #004479 28806 PACIFIC HWY S. FEDERAL WAY, WA 98003	3272299 0.47 MI N							X		X				

MAP ID	SITES IN THE SURROUNDING AREA (within 1/2 - 1 mile)	VISTA ID / DISTANCE / DIRECTION	A			B							C	D		
			NPL	CORRACTS(TSD)	SPL	SCL	CERCLIS/NFRAP	TSD	LUST	SWLF	TOXICS	UST	ERNS	LG GEN	SM GEN
No Records Found																

UNMAPPED SITES	VISTA ID	A			B							C	D		
		NPL	CORRACTS(TSD)	SPL	SCL	CERCLIS/NFRAP	TSD	LUST	SWLF	TOXICS	UST	ERNS	LG GEN	SM GEN
STA #33 360TH 10TH AVE S FEDERAL WAY, WA 98063	64517375										X			
KENT WA LINE SEG 51 PRINT 468 MP 16.3 3RD SUB PACIFIC DIVISION KENT, WA	64510863										X			

SITE ASSESSMENT REPORT

DETAILS

PROPERTY AND THE ADJACENT AREA (within 1/8 mile)

VISTA Address*:	RENTAL MARTS 29805 PACIFIC HIGHWAY S FEDERAL WAY, WA 98003	VISTA ID#:	64522632	Map ID
		Distance/Direction:	0.00 MI / NA	1
		Plotted as:	Point	
STATE UST - State Underground Storage Tank / SRC# 533		Agency ID:	6523	

Agency Address:	SAME AS ABOVE
Underground Tanks:	4
Aboveground Tanks:	NOT REPORTED
Tanks Removed:	2

Tank ID:	1U	Tank Status:	REMOVED
Tank Contents:	OTHER	Leak Monitoring:	NOT AVAILABLE
Tank Age:	35	Tank Piping:	NOT AVAILABLE
Tank Size (Units):	1100 (GALLONS)	Tank Material:	NOT AVAILABLE
Tank ID:	2U	Tank Status:	REMOVED
Tank Contents:	OTHER	Leak Monitoring:	NOT AVAILABLE
Tank Age:	35	Tank Piping:	NOT AVAILABLE
Tank Size (Units):	NOT REPORTED (NOT AVAILABLE)	Tank Material:	NOT AVAILABLE
Tank ID:	3U	Tank Status:	CLOSED IN PLACE
Tank Contents:	OTHER	Leak Monitoring:	NOT AVAILABLE
Tank Age:	35	Tank Piping:	NOT AVAILABLE
Tank Size (Units):	1100 (GALLONS)	Tank Material:	NOT AVAILABLE
Tank ID:	4U	Tank Status:	CLOSED IN PLACE
Tank Contents:	OTHER	Leak Monitoring:	NOT AVAILABLE
Tank Age:	35	Tank Piping:	NOT AVAILABLE
Tank Size (Units):	NOT REPORTED (NOT AVAILABLE)	Tank Material:	NOT AVAILABLE

VISTA Address*:	RENTAL MART 29805 PACIFIC HWY S. FEDERAL WAY, WA 98003	VISTA ID#:	1847858	Map ID
		Distance/Direction:	0.00 MI / NA	1
		Plotted as:	Point	
WA Toxics - Washington Toxics / SRC# 531		EPA/Agency ID:	N/A	

Agency Address:	SAME AS ABOVE
Region:	NORTHWEST
State Detail Description:	NO
Contact:	NOT REPORTED
Description:	DATE ECOLOGY RECEIVED REPORT:08/26/1993PETROL
Description:	REPORT TYPE:FINAL
Description:	ISSUE OF SITE REGISTER:93-09
Description:	DATE ECOLOGY RECEIVED REPORT:06/27/1994PETROL
Description:	REPORT TYPE:FINAL

* VISTA address includes enhanced city and ZIP.
For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

PROPERTY AND THE ADJACENT AREA (within 1/8 mile) CONT.

Description:	ISSUE OF SITE REGISTER:93-35

STATE LUST - State Leaking Underground Storage Tank / SRC# 532		EPA/Agency ID:	N/A
Agency Address:	RENTAL MARTS 29805 PACIFIC HIGHWAY S FEDERAL WAY, WA 980034233		
Facility ID:	6523		
Leak ID#:	4709		
Leak Report Date:	08/26/1993		
Remediation Start Date:	06/01/1995		
Remediation Status:	REPORTED CLEANED UP		
Media Affected:	SOIL		
Region / District:	N		

				Map ID
VISTA Address*:	UNOCAL #6227 29625 PACIFIC HWY S. FEDERAL WAY, WA 98003	VISTA ID#: Distance/Direction: Plotted as:	4267356 0.00 MI / NA Point	2A

WA Toxics - Washington Toxics / SRC# 531		EPA/Agency ID:	N/A
Agency Address:	SAME AS ABOVE		
Region:	NORTHWEST		
State Detail Description:	NO		
Contact:	NOT REPORTED		
Description:	DATE ECOLOGY RECEIVED REPORT:01/22/1991PETROL		
Description:	REPORT TYPE:INTERIM		
Description:	ISSUE OF SITE REGISTER:91-21		
Description:	DATE ECOLOGY RECEIVED REPORT:04/12/1991PETROL		
Description:	REPORT TYPE:INTERIM		
Description:	ISSUE OF SITE REGISTER:91-27		

				Map ID
VISTA Address*:	509 DELI TOWN PUMP 29625 PACIFIC HWY S FEDERAL WAY, WA 98003	VISTA ID#: Distance/Direction: Plotted as:	5398024 0.00 MI / NA Point	2A

STATE LUST - State Leaking Underground Storage Tank / SRC# 532		EPA/Agency ID:	N/A
Agency Address:	SAME AS ABOVE		
Facility ID:	8504		
Leak ID#:	1622		
Leak Report Date:	11/22/1989		
Remediation Start Date:	06/01/1995		
Remediation Status:	REPORTED CLEANED UP		
Media Affected:	SOIL		
Region / District:	N		
STATE UST - State Underground Storage Tank / SRC# 533		Agency ID:	8504
Agency Address:	SAME AS ABOVE		
Underground Tanks:	7		
Aboveground Tanks:	NOT REPORTED		
Tanks Removed:	3		

PROPERTY AND THE ADJACENT AREA (within 1/8 mile) CONT.

Tank ID:	1U	Tank Status:	REMOVED
Tank Contents:	OTHER	Leak Monitoring:	NOT AVAILABLE
Tank Age:	NOT REPORTED	Tank Piping:	NOT AVAILABLE
Tank Size (Units):	NOT REPORTED (NOT AVAILABLE)	Tank Material:	NOT AVAILABLE
Tank ID:	2U	Tank Status:	REMOVED
Tank Contents:	OTHER	Leak Monitoring:	NOT AVAILABLE
Tank Age:	NOT REPORTED	Tank Piping:	NOT AVAILABLE
Tank Size (Units):	NOT REPORTED (NOT AVAILABLE)	Tank Material:	NOT AVAILABLE
Tank ID:	4U	Tank Status:	REMOVED
Tank Contents:	OTHER	Leak Monitoring:	NOT AVAILABLE
Tank Age:	30	Tank Piping:	NOT AVAILABLE
Tank Size (Units):	1100 (GALLONS)	Tank Material:	STEEL
Tank ID:	5U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	OTHER	Leak Monitoring:	NOT AVAILABLE
Tank Age:	4	Tank Piping:	NOT AVAILABLE
Tank Size (Units):	10000 (GALLONS)	Tank Material:	FRP CLAD STEEL
Tank ID:	6U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	OTHER	Leak Monitoring:	NOT AVAILABLE
Tank Age:	4	Tank Piping:	NOT AVAILABLE
Tank Size (Units):	10000 (GALLONS)	Tank Material:	FRP CLAD STEEL
Tank ID:	7U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	OTHER	Leak Monitoring:	NOT AVAILABLE
Tank Age:	4	Tank Piping:	NOT AVAILABLE
Tank Size (Units):	10000 (GALLONS)	Tank Material:	FRP CLAD STEEL
Tank ID:	7U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	OTHER	Leak Monitoring:	NOT AVAILABLE
Tank Age:	4	Tank Piping:	NOT AVAILABLE
Tank Size (Units):	10000 (GALLONS)	Tank Material:	FRP CLAD STEEL

VISTA Address*:	KING CO REDONDO OIL PIT SR 509 16TH AVE S REDONDO, WA 98054	VISTA ID#:	3270021
		Distance/Direction:	0.00 MI / NA
		Plotted as:	Point

Map ID **2B**

NFRAP / SRC# 18		EPA ID:	WAD981771561

Agency Address:	SAME AS ABOVE
EPA Region:	10
Congressional District:	0
Federal Facility:	Agency Code ( )
Facility Ownership:	INDIAN LANDS
Site Incident Category:	Unknown
Federal Facility Docket:	SITE IS NOT INCLUDED ON THE DOCKET
NPL Status:	NOT ON NPL
Incident Type:	Unknown
Proposed NPL Update #:	0
Final NPL Update #:	0
Financial Management System ID:	NOT REPORTED
Latitude:	0
Longitude:	0
Lat/Long Source:	Agency Code ( )
Lat/Long Accuracy:	Unknown
Dioxin Tier:	Unknown
USGS Hydro Unit:	17110019
RCRA Indicator:	Unknown
Unit Id:	0
Unit Name:	ENTIRE SITE

Type:	DISCOVERY	Lead Agency:	OTHER
Qualifier:	UNKNOWN	Category:	Unknown
Name:	NOT REPORTED	Actual Start Date:	NOT REPORTED
Plan Status:	Unknown	Actual Completion Date:	UNKNOWN

Type:	PRELIMINARY ASSESSMENT	Lead Agency:	STATE, FUND FINANCED
Qualifier:	HIGHER PRIORITY	Category:	Unknown
Name:	NOT REPORTED	Actual Start Date:	OCTOBER 1, 1988
Plan Status:	Unknown	Actual Completion Date:	OCTOBER 1, 1988

Type:	SCREENING SITE INSPECTION	Lead Agency:	EPA FUND-FINANCED
Qualifier:	NO FURTHER REMEDIAL ACTION PLANNED	Category:	Unknown
Name:	NOT REPORTED	Actual Start Date:	AUGUST 2, 1990
Plan Status:	Unknown	Actual Completion Date:	UNKNOWN

PROPERTY AND THE ADJACENT AREA (within 1/8 mile) CONT.

VISTA Address*:	REDONDO OIL PIT KING CNTY 16TH AV S SW DASH POINT RD REDONDO, WA 98054	VISTA ID#:	1854564	Map ID 3
		Distance/Direction:	0.03 MI / W	
		Plotted as:	Point	

SCL - State Equivalent CERCLIS List / SRC# 528		Agency ID:	2200
Agency Address:	SAME AS ABOVE		
Status:	UNKNOWN		
Facility Type:	NOT AVAILABLE		
Lead Agency:	NOT AVAILABLE		
State Status:	AWAITING ASSESSMENT		
Pollutant 1:	PETROLEUM		
Pollutant 2:	PAH		
Pollutant 3:	UNKNOWN		

SITES IN THE SURROUNDING AREA (within 1/8 - 1/4 mile)

No Records Found

SITES IN THE SURROUNDING AREA (within 1/4 - 1/2 mile)

VISTA Address*:	TEXACO #004479 28806 PACIFIC HWY S. FEDERAL WAY, WA 98003	VISTA ID#:	3272299	Map ID 4
		Distance/Direction:	0.47 MI / N	
		Plotted as:	Point	

WA Toxics - Washington Toxics / SRC# 531		EPA/Agency ID:	N/A
Agency Address:	SAME AS ABOVE		
Region:	NORTHWEST		
State Detail Description:	NO		
Contact:	NOT REPORTED		
Description:	DATE ECOLOGY RECEIVED REPORT:02/22/1993PETROL		
Description:	REPORT TYPE:INTERIM		
Description:	ISSUE OF SITE REGISTER:92-47		
Description:	DATE ECOLOGY RECEIVED REPORT:01/19/1994PETROL		
Description:	REPORT TYPE:FINAL		
Description:	ISSUE OF SITE REGISTER:93-18		

STATE LUST - State Leaking Underground Storage Tank / SRC# 532		EPA/Agency ID:	N/A
Agency Address:	TEXACO STATION #63-232-1486 28806 PACIFIC HWY S FEDERAL WAY, WA 980033802		
Facility ID:	4479		
Leak ID#:	4093		
Leak Report Date:	12/04/1992		
Remediation Start Date:	06/01/1995		
Remediation Status:	REPORTED CLEANED UP		
Media Affected:	SOIL		
Region / District:	N		

SITES IN THE SURROUNDING AREA (within 1/2 - 1 mile)

No Records Found

UNMAPPED SITES
Records Found, No Details Displayed

SITE ASSESSMENT REPORT

DESCRIPTION OF DATABASES SEARCHED

A) DATABASES SEARCHED TO 1 MILE

NPL
SRC#: 19

VISTA conducts a database search to identify all sites within 1 mile of your property.
The agency release date for NPL was January, 2000.

The National Priorities List (NPL) is the EPA's database of uncontrolled or abandoned hazardous waste sites identified for priority remedial actions under the Superfund program. A site must meet or surpass a predetermined hazard ranking system score, be chosen as a state's top priority site, or meet three specific criteria set jointly by the US. Dept of Health and Human Services and the US EPA in order to become an NPL site.

SPL
SRC#: 529

VISTA conducts a database search to identify all sites within 1 mile of your property.
The agency release date for Confirmed Contaminated Sites Report was November, 1999.

This database is provided by the Department of Ecology, Toxics Cleanup Program. The agency may be contacted at: 360-407-7200.

CORRACTS
SRC#: 14

VISTA conducts a database search to identify all sites within 1 mile of your property.
The agency release date for HWDMS/RCRIS was December, 1999.

The EPA maintains this database of RCRA facilities which are undergoing "corrective action". A "corrective action order" is issued pursuant to RCRA Section 3008 (h) when there has been a release of hazardous waste or constituents into the environment from a RCRA facility. Corrective actions may be required beyond the facility's boundary and can be required regardless of when the release occurred, even if it predates RCRA.

RCRA-Tsd Corracts
SRC#: 556

VISTA conducts a database search to identify all sites within 1 mile of your property.
The agency release date for HWDMS/RCRIS was December, 1999.

The EPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Facilities database is a compilation by the EPA of facilities which report generation, storage, transportation, treatment or disposal of hazardous waste.

B) DATABASES SEARCHED TO 1/2 MILE

CERCLIS
SRC#: 17

VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for CERCLIS was October, 1999.

The CERCLIS List contains sites which are either proposed to or on the National Priorities List(NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL. The information on each site includes a history of all pre-remedial, remedial, removal and community relations activities or events at the site, financial funding information for the events, and unrestricted enforcement activities.

NFRAP
SRC#: 18

VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for CERCLIS-NFRAP was October, 1999.

NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly, or the contamination was not serious enough to require Federal Superfund action or NPL consideration.

SCL
SRC#: 528

VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for Suspected Contaminated Sites Report was November, 1999.

This database is provided by the Department of Ecology, Toxics Cleanup Program. The agency may be contacted at: 360-407-7200.

The Washington Affected Media and Contaminants Report includes sites in the following categories: (1) National Priorities List (NPL) Sites, Federal Lead; (2) National Priorities List (NPL) Sites, State Lead; (3) State Sites, Confirmed Hazardous Substances Sites (sites where the presence of hazardous substances has been confirmed by laboratory or field determinations; (4) Potential Hazardous Substance Sites, these sites have been reported to the Department of Ecology and further investigation including sampling is underway; (5) State Sites Under- going Long-Term Monitoring; and (6) Sites For Which Cleanup is Complete. This report includes some leaking underground storage tank sites.

RCRA-TSD
SRC#: 12

VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for HWDMS/RCRIS was December, 1999.

The EPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Facilities database is a compilation by the EPA of facilities which report generation, storage, transportation, treatment or disposal of hazardous waste. RCRA TSDs are facilities which treat, store and/or dispose of hazardous waste.

SWLF
SRC#: 530

VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for Municipal Solid Waste Facilities was October, 1999.

This database is provided by the Department of Ecology, Solid Waste Services Program. The agency may be contacted at: 360-407-6133.

The Washington Solid Waste Inventory does not provide facility locations.

LUST
SRC#: 532

VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for Leaking Underground Storage Tank List was November, 1999.

This database is provided by the Department of Ecology, Toxics Cleanup Program. The agency may be contacted at: 360-4077179 .

The Washington Department of Ecology Leaking Underground Storage Tank List contains some of the same sites included on the Regional lists. This list is being used because there are some "new" sites and it includes a site identification number. Because two lists are being used, sites may be reporting twice.

WA Site Register
SRC#: 531

VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for Toxic Cleanup Program Site Register was October, 1999.

This database is provided by the Department of Ecology, Toxics Cleanup Program. The agency may be contacted at: 360-407-7200.

The Washington Site Register Toxics Cleanup Program report details activities related to the study and cleanup of hazardous waste sites under the Model Toxics Control Act. Note that the State of Washington cautions that information contained under the Site Description is summarized information from an Independent Report and the Department of Ecology is not responsible for the accuracy of these reports. This report includes some leaking underground storage tank sites.

C) DATABASES SEARCHED TO 1/4 MILE

UST's
SRC#: 533

VISTA conducts a database search to identify all sites within 1/4 mile of your property.
The agency release date for Underground Storage Tank Database was January, 2000.

This database is provided by the Department of Ecology, Solid Hazardous Waste Program. The agency may be contacted at: 360-407-7179; Caution-Many states do not require registration of heating oil tanks, especially those used for residential purposes.

D) DATABASES SEARCHED TO 1/8 MILE

ERNS
SRC#: 8

VISTA conducts a database search to identify all sites within 1/8 mile of your property.
The agency release date for was August, 1999.

The Emergency Response Notification System (ERNS) is a national database containing records from October 1986 to the release date above and is used to collect information for reported releases of oil and hazardous substances. The database contains information from spill reports made to federal authorities including the EPA, the US Coast Guard, the National Response Center and the Department of Transportation. The ERNS hotline number is (202) 260-2342.

RCRA-LgGen
SRC#: 16

VISTA conducts a database search to identify all sites within 1/8 mile of your property.
The agency release date for HWDMS/RCRIS was December, 1999.

The EPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Facilities database is a compilation by the EPA of facilities which report generation, storage, transportation, treatment or disposal of hazardous waste. RCRA Large Generators are facilities which generate at least 1000 kg./month of non-acutely hazardous waste (or 1 kg./month of acutely hazardous waste).

RCRA-SmGen
SRC#: 15

VISTA conducts a database search to identify all sites within 1/8 mile of your property.
The agency release date for HWDMS/RCRIS was December, 1999.

The EPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Facilities database is a compilation by the EPA of facilities which report generation, storage, transportation, treatment or disposal of hazardous waste. RCRA Small and Very Small generators are facilities which generate less than 1000 kg./month of non-acutely hazardous waste.

End of Report

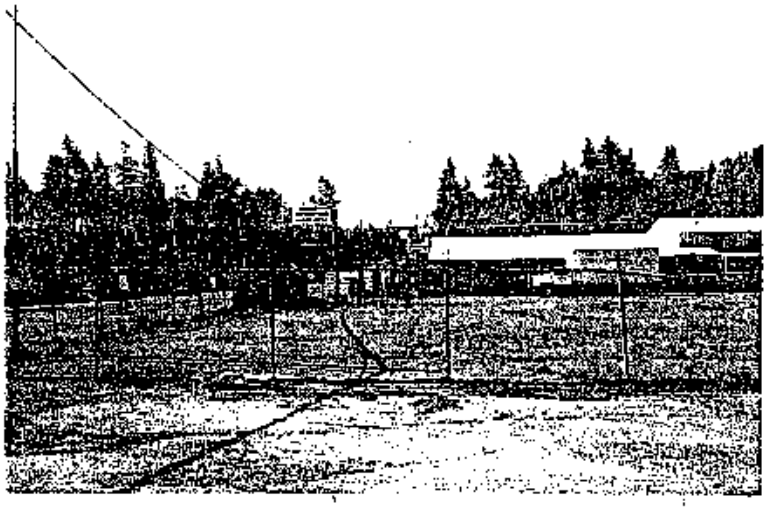


Photo 1

Subject property, located at 29805 Pacific Highway South Federal Way, WA. Viewed facing south along Pacific Highway South.

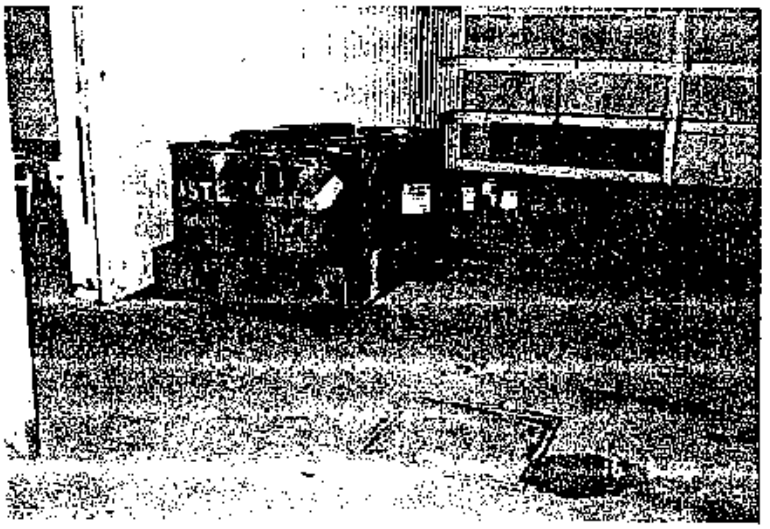


Photo 2

Oil drums, floor staining, and collection sump located in the service bay of the on-site structure.

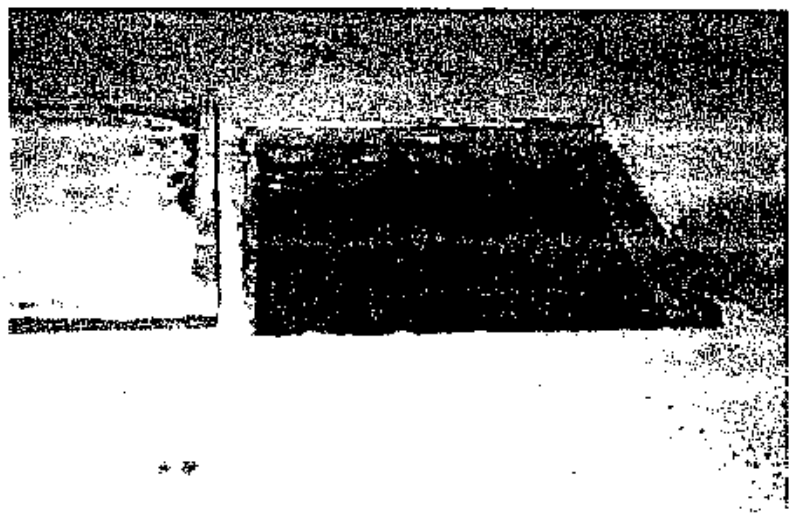


Photo 3

Close up of sump in service bay showing adjacent floor staining, and accumulated water.

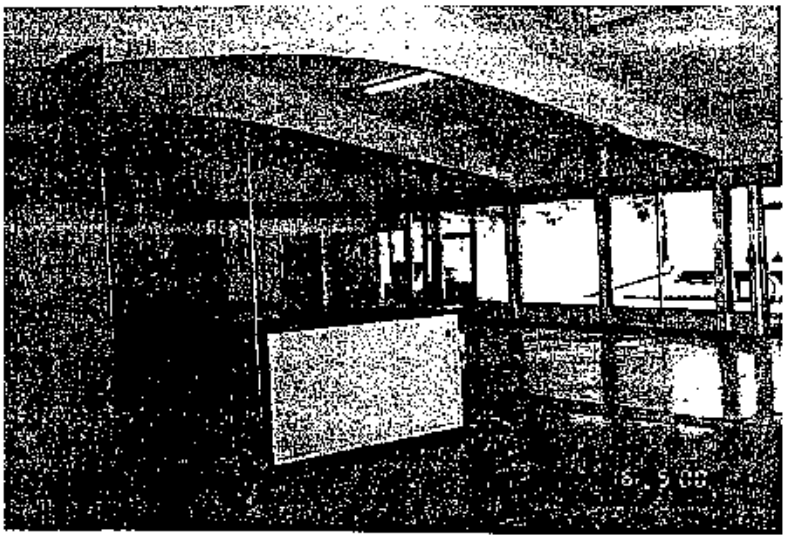


Photo 4

Lobby show room inside the on-site structure.

Photo 5

Buckets of wax stripper and paint inside the service bay.

Photo 6

Collection sump located on the north side of the onsite structure. This sump was full of dirt and debris.

Photo 7

Area of a concrete pad located on the northwest side of the subject property.

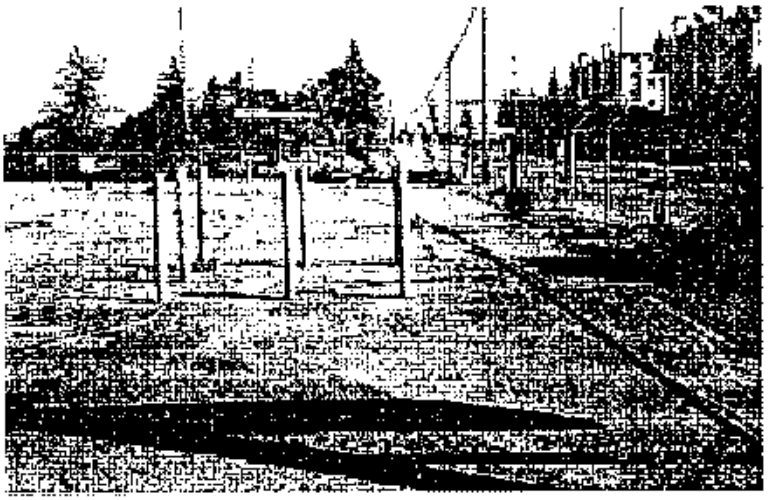


Photo 8

Along the eastern side of the property, facing north along Pacific Highway South. The posts delineate the location of a former propane tank. A 5,000-gallon gasoline UST was removed from the area shown in the foreground in 1993.

Photo 9

An area were small quantities of kerosene were stored during the operation of 40 Rentals. The storage area is located in the vicinity of a former 500-gallon diesel UST, northwest of the onsite structure.

UNDERGRC ID STORAGE TANK
Permanent Closure/Change-In-Service Checklist

006523

The purpose of this form is to certify the proper closure/change-in-service of underground storage tank (UST) systems. These activities must be conducted in accordance with Chapter 173360 WAC. Washington State UST rules require the tank owner or operator to notify Ecology in writing 30 days prior to closure or change-in-service of tanks. This must be done by completing the 30 Day Notice form (ECY 010-155).

This Permanent Closure Checklist shall be completed and signed by a Licensed Decommissioning Supervisor. The supervisor shall be on site when all tank permanent closure/change-in-service activities are being conducted. The firm which employs the licensed supervisor shall also be licensed by the Washington State Department of Ecology as a Service Provider. If any of the activities listed below have been supervised by a different licensed supervisor, a separate checklist must be filled out and signed by the licensed supervisor performing those activities.

For further information about completing this form, please contact the Department of Ecology UST Program.

A separate checklist must be completed for each UST system (tank and associated piping), except that UST systems at one site may be reported together by completing page 2 of this form separately for each system. The completed checklist should be mailed to the following address within 30 days of the completion of the closure or change-in-service.

MAY 16 1995

Underground Storage Tank Section
Department of Ecology
Mail Stop PV-11
Olympia, WA 98504-8711

RECEIVED
AUG - 8 1995
DEPT. OF ECOLOGY

1. UST SYSTEM OWNER AND LOCATION

Site Owner/Operator: BANK OF CALIFORNIA

Owners Address: PO BOX 3123 (Street / P.O. Box)

SEATTLE, WA 98114 (City / State / ZIP Code)

Telephone: (206) 587-6151

Site ID Number (on invoice or available from Ecology if tank is registered): tank #2 GAS

Site/Business Name: RENTAL MART

Site Address: 29805 PACIFIC HIGHWAY S (Street) KING (County)

FEDERAL WAY, WA 98003 (City / State / ZIP Code)

2. TANK PERMANENT CLOSURE/CHANGE-IN-SERVICE PERFORMED BY:

Firm: O'Sullivan Petroleum Equipment Company License Number: S000036

Address: 3214 16th Avenue S. W. (Street)

Seattle WA 98134 (City / State / P.O. Box / ZIP Code)

Telephone: (206) 682-2440

Licensed Supervisor: [signature] Decommissioning License Number: W001632

This page must be completed separately for each tank permanently closed (decommissioned) or change-in-service at the site. For additional tanks you may photocopy this form prior to completing.

3. TANK CLOSURE/CHANGE-IN-SERVICE INFORMATION

1. Tank ID Number (as registered with Ecology): ?
2. Year installed: N/A
3. Tank capacity in gallons: 5,000
4. Date of last use: ?
5. Last substance stored: GASOLINE
6. Date of closure/change-in-service: 9 Feb 93
7. Type of closure: Closure with Tank Removal ☐ In-place Closure ☐ Change-in-Service ☐
8. If in-place closure is used, the tank has been filled with the following substance: N/A
9. If change-in-service, indicate new substance stored in tank: N/A
10. Local permit(s) (if any) obtained from: DOE, City of Federal Way & Fire Dept

Always contact local authorities regarding permit requirements.

11. Has a site assessment been completed? Yes ☒ No ☐

Unless an external release detection system is operating at the time of closure or change in service, and a report is provided as specified in WAC 173-360-395, a site assessment must be conducted. This site assessment must be conducted by a person registered with the Department of Ecology to perform site assessments. Results of the site assessment must be included with the Site Assessment Checklist (ECY 070-15B).

4. CHECKLIST

Each item of the following checklist shall be initialed by the licensed supervisor whose signature appears below.

	Yes	No	NA*
1. Has all liquid been removed from product lines?	JLL		
2. Has all product piping been capped or removed?	JLL		
3. Have all non-product lines been capped or removed?	JLL		
4. Have all liquid and accumulated sludges been removed from the tank?	JLL		
5. Has the tank been properly purged or inerted?	JCL		
6. Have the drop tube, fill pipe, gauge pipe, pumps and other tank fixtures been removed?	JLL		
7. Have all tank openings been plugged or capped? NOTE: One plug should have 1/8 inch vent hole.	JLL		
8. Have all sludges removed from the tank been designated and disposed of in accordance with the state of Washington's dangerous waste regulations (Chapter 173-303 WAC)?	JLL		
9. If removed, was tank properly labeled and disposed of in accordance with all applicable local, state and federal regulations?	JCL		

*Item not applicable

I hereby certify that I have been the licensed supervisor present on site during the above listed permanent closure activities and to the best of my knowledge they have been conducted in compliance with all applicable state and federal laws, regulations and procedures pertaining to underground storage tanks.

Persons submitting false information are subject to penalties under Chapter 173.360 WAC.

9 Feb 93 — Signature of Licensed Supervisor: Jim L. Ross

5. ADDITIONAL REQUIRED SIGNATURES

2-13-93 — Signature of Operator [Owner] or Authorized Representative

7-26-95 — Janice M. Dimick, Signature of Tank Owner or Authorized Representative

N.W. #1

UNDERGROUND STORAGE TANK
Site Check/Site Assessment Checklist

For Office Use Only K.B.
Owner # U0000432
Site # 006523

INSTRUCTIONS:

When a release has not been confirmed and reported, this Site Check/Site Assessment Checklist must be completed and signed by a person registered with Ecology. The results of the site check or site assessment must be included with this checklist. This form must be submitted to Ecology at the address shown below within 30 days after completion of the site check/site assessment.

SITE INFORMATION: Include the Ecology site ID number if the tanks are registered with Ecology. This number may be found on the tank owner's invoice or tank permit.

TANK INFORMATION: Please list all tanks for which the site check or site assessment is being conducted. Use the owner's tank ID numbers if available, and indicate tank capacity and substance stored.

REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT: Please check the appropriate item.

CHECKLIST: Please initial each item in the appropriate box.

SITE ASSESSOR INFORMATION: This form must be signed by the registered site assessor who is responsible for conducting the site check/site assessment.

Underground Storage Tank Section
Department of Ecology
P. O. Box 47655
Olympia, WA 98504-7655

SITE INFORMATION

Site ID Number (on invoice or available from Ecology if the tanks are registered): 006523

Site/Business Name: Federal Way Rental Mart

Site Address: 29805 Pacific Hwy S (Street) Telephone: ( )

Federal Way (City) WA (State) 98003 (ZIP Code)

MAY 16 1995

TANK INFORMATION

Tank ID No.	Tank Capacity	Substance Stored
Tank I on sketch	5000	Gasoline
#2 GASOLINE		

REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT

Check one:

- ____ Investigate suspected release due to on-site environmental contamination
- ____ Investigate suspected release due to off-site environmental contamination.
- ____ Extend temporary closure of UST system for more than 12 months.
- ____ UST system undergoing change-in-service.
- ____ UST system permanently closed-in-place.
- ✓ UST system permanently closed with tank removed.
- ____ Abandoned tank containing product.
- ____ Required by Ecology or delegated agency for UST system closed before 12/22/88.
- ____ Other (describe): ____

CHECKLIST

Each item of the following checklist shall be initialed by the person registered with the Department of Ecology whose signature appears below.

		YES	NO
1.	The location of the UST site is shown on a vicinity map.	✓	
2.	A brief summary of information obtained during the site inspection is provided. (see Section 3.2 in site assessment guidance)	✓	
3.	A summary of UST system data is provided. (see Section 3.1)	✓	
4.	The soils characteristics at the UST site are described. (see Section 5.2)	✓	
5.	Is there any apparent groundwater in the tank excavation?		✓
6.	A brief description of the surrounding land use is provided. (see Section 3.1)	✓	
7.	Information has been provided indicating the number and types of samples collected, methods used to collect and analyze the samples, and the name and address of the laboratory used to perform the analyses.	✓	
8.	A sketch or sketches showing the following items is provided:		
	- location and ID number for all field samples collected	✓	
	- groundwater samples distinguished from soil samples (if applicable) NA		✓
	- samples collected from stockpiled excavated soil	✓	
	- tank and piping locations and limits of excavation pit	✓	
	- adjacent structures and streets	✓	
	- approximate locations of any on-site and nearby utilities	✓	
9.	If sampling procedures different from those specified in the guidance were used, has justification for using these alternative sampling procedures been provided? (see Section 3.4)		✓
10.	A table is provided showing laboratory results for each sample collected including; sample ID number, constituents analyzed for and corresponding concentration, analytical method and detection limit for that method.	✓	
11.	Any factors that may have compromised the quality of the data or validity of the results are described.	✓	
12.	The results of this site check/site assessment indicate that a confirmed release of a regulated substance has not occurred.		✓

SITE ASSESSOR INFORMATION

Robert F. Simons — Person registered with Ecology

Nowick & Associates Inc — Firm Affiliated with

Business Address: 33516 9th Ave S #6 (Street)

Telephone: (___) _____

Federal Way (City) Wa (State) 98003 (ZIP+Code)

I hereby certify that I have been in responsible charge of performing the site check/site assessment described above. Persons submitting false information are subject to penalties under Chapter 173.360 WAC.

3/7/93 — Date

Robert F. Simons — Signature of Person Registered with Ecology

Underground Storage Tank Removal

Site Assessment /Site Characterization

Gasoline Tank and Dispenser
DOE ID # 006523

Location: Federal Way Rental Mart
29805 Pacific Hwy S
Federal Way, WA 98003

Owner: Bank of California
PO Box 3123
Seattle, WA 98114
Attn: Jan Dimick

Contractor: O'Sullivan Environmental Services
3214 16th Avenue SW
Seattle, WA 98134

Site Assessor: Robert F. Simons
Robert F. Simons
Site Assessor
Nowicki & Associates Inc.
33516 9th Ave S
Federal Way, WA 98003

Excutive Summary

One approximately 5000 gallon gasoline storage tank and dispenser were removed on 2/9/93 from the Federal Way Rental Mart Site. Contamination was found on top of the tank and on the west side of the tank. Tank and contamination were removed on the afternoon of 2/9/93. Lab analysis done on samples taken at the end of the day showed soils at the site to be below Model Toxic Control Act (MTCA) standards for a clean site. Fifty yards of soil was stored next to the excavation site and lab analysis showed this soil to be contaminated. Lead analysis on stockpiled soil showed lead levels to be below MTCA cleanup levels.

Site History and Uses

Light commercial uses are prevelant along Pacifice Highway. A junior high school is located directly behind the property. A warehouse shop is found to the south of Rental Mart. Accross the street to the east and up an

embankment are apartments which were built within the last five years. Across Dash Point Road to the north is an abandonded service station(now a used car lot) which had its tanks and contamination removed within the last two years.

Prior to the site's current use a tire shop was located on the property facing Pacific Highway. Enclosed is a site sketch showing a foundation and sewers from the former buildings. The gasoline tank removed was installed next to the septic tank and sewer from this demolished structure. Abandonded piping and a concrete pad were located a few feet west of the pump island. Upon excavation this piping appeared to have served an underground tank which had been removed many years ago. Probably this older tank had been in the same area as the present tank which was removed on 2/9/93.

Tank installation was done just prior to 1970 which makes the installation approximately 25 years old.

Tank Removal 2/9/93

Cleaning and inerting of the tank was complete just after 10:00 AM. Representatives from the City of Federal Way Building Department and the local Fire District were onsite at this time to witness the inerting process. Asphalt was cut around the outline of the proposed excavation, but upon actual excavation it was found that the dispenser was over the middle of the tank and the excavation was expanded to compensate. This top to the tank was exposed by about 11:00 AM. Contamination was evident around the plumbing and the top of the tank. Tank removal was accomplished just before 12:00. Tank condition was good with minimal corrosion and no visible holes.

Contamination showed on the west side of the tank and flowed down the tank spreading to the west along the entire length of the tank. Dark grey soil with gasoline odor was excavated west about eight feet. A 4- inch sewer pipe connected to an approximately 1000 gallon septic tank was discovered during the excavation of contaminated soil. The sewer tank was located just to the northwest of the tank. North, south, and east sidewalls along with the bottom appeared to be clean. Excavation progressed west past the sewer pipe approximately eight feet along the entire length of the tank. A strong odor of organics or waste petroleum and solid grey soil was still noticeable on the west side of the excavation. Field screening with the Tank Techtor was done with negative results. Sewer often introduces an odor like waste petroleum and this was later found to be the case.

At approximately 3:30PM samples were taken and sent to Spectra Labs of Tacoma, WA for lab analysis. WTPH-G and BTEX were run on the five excavation samples following DOE Sampling guidelines. Sample results showed the excavation to be below Model Toxic Control Act (MTCA) regulations for a clean site. Sample analysis done on the stockpile confirmed contamination by gasoline. Lead sample analysis was 74 PPM which is below

the MTCA cleanup level of 250 PPM.

No groundwater was encountered during excavation.

Approximately 50 yards of stockpiled soil was placed on 6 mil plastic and the pile covered with 6 mil plastic at the end of the work day.

Closure of this site is recommended.

Sample Log

UST Removal - Gasoline

Federal Way Rental Mart

Date Sampled: 2/9/93

Sampler: Robert F. Simons

#	Location	Lab Results
01	Bottom Center of tank	<20
02	East wall of Excavation	<20
03	North wall of excavation	<20
04	Pump island soil from stockpile	1050 PPM
05	West wall at end of day	<20
06	Stockpile, west end	203 PPM
07	Stockpile, east side	43.3 PPM
08	Stockpile, north side	955 PPM
	Lead	73 PPM

Robert F. Simons

Robert F. Simons
Site Assesser
Nowicki & Associates Inc.

SPECTRA Laboratories, Inc.

CHAIN of CUSTODY DATE 2/9

PAGE 1 OF 1

2221 Ross Way * Tacoma, WA 98421 * (206) 272-4850 * FAX (206) 572-9838

LABORATORY ANALYSES REQUEST

CLIENT : Nocolo Ci
PROJECT : Fed Rental Mart
CONTACT : Bob Simms
PHONE # : 922-5233
PURCHASE ORDER #:

SAMPLE ID	DATE	TIME	MATRIX
01	2/9	5:09	
02			
03			
04			
05			
06			
07			
08			

	624/ 8240 VOLATILES	625/ 8270 SEMI-VOLATILE	8240 CHLOR. SOLVENTS	8240 BTEX	602/ 8020 BTEX	418.1 TPH	WTPH-HCID	WTPH-G	WTPH-D	8015 Mod. TPH	LEAD 7421 (WATER)	LEAD 6010 (SOIL)	pH 150.1	TOX 9020/ 9076	METALS 6010/ AES-0029	METALS AA/FURNACE	METALS (8) (TCLP)	8240 VOL (TCLP)	8270 SEMI-VOL (TCLP)	8270 PEST. (6) (TCLP)	8270 HERB. (2) (TCLP)							NORMAL TURNAROUND	RUSH
01																												
02																												
03																												
04																												
05																												
06																												
07																												
08																												

RETURN

DISPOSE
Fee applies

LAB ID

SPECIAL INSTRUCTIONS / COMMENTS :

1. lead as composite
2. Need early Thursday
3. high in organics

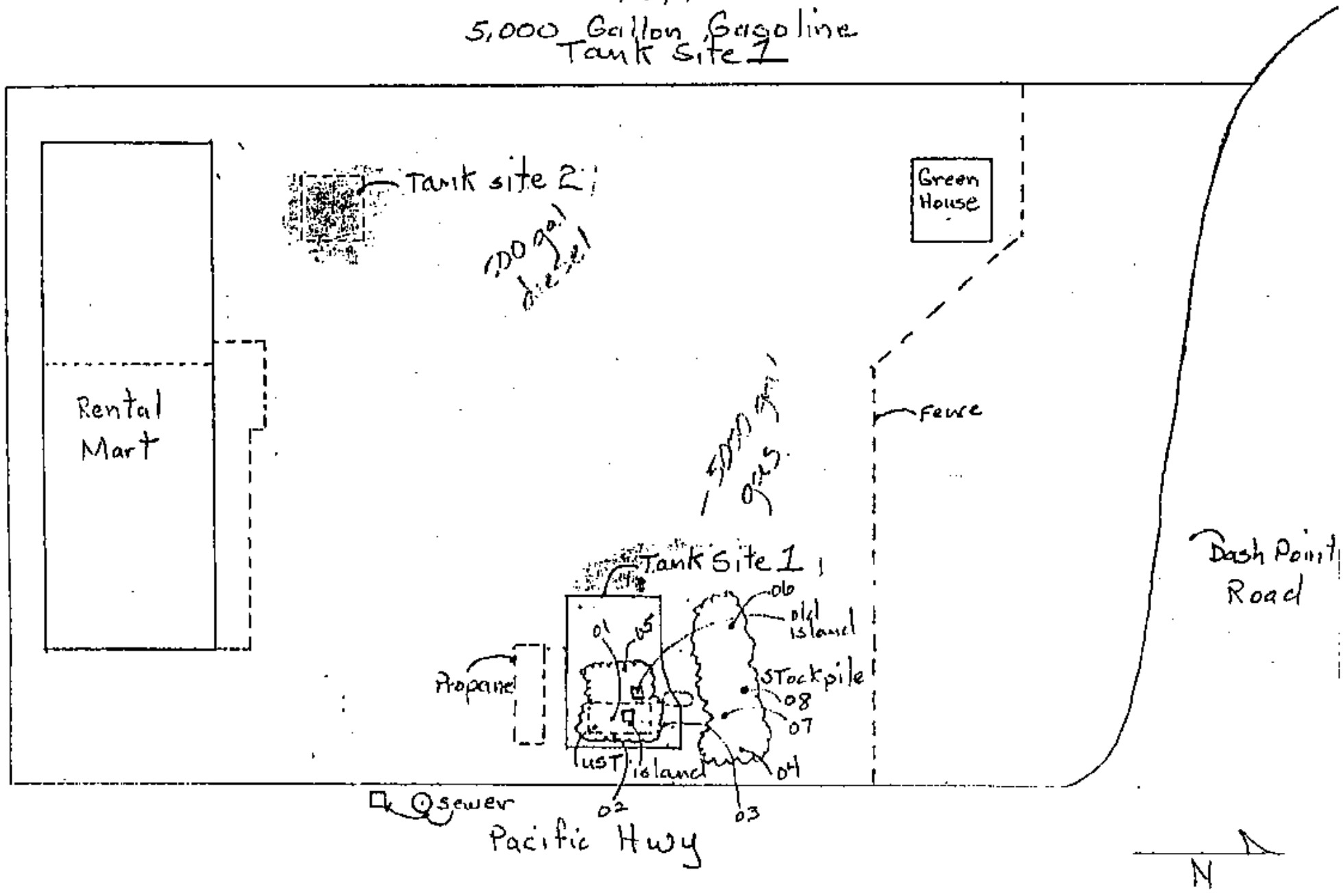
(Signature) Relinquished by:	(Signature) Relinquished by:	(Signature) Relinquished by:
Printed Name :	Printed Name :	Printed Name :
Company :	Company :	Company :
Date : 2/9 Time : 5:09	Date : Time :	Date : Time :
(Signature) Received by:	(Signature) Received by:	(Signature) Received by:
Printed Name:	Printed Name:	Printed Name:
Company :	Company :	Company :
Date : 2-9-93 Time : 5:09	Date : Time :	Date : Time :

Federal Way
Rental Mart
UST location
2/9/92

Federal Way Rental Mart UST Removal

2/9/93

5,000 Gallon Gasoline Tank Site 1



SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

February 11, 1993

Mr. Bob Simons
Nowicki & Associates
33516 9th Ave. S., Bldg. 6
Federal Way, WA 98003

RE: FW Rental Mart

Dear Mr. Simons,

Please find enclosed the results for the above referenced project.

If you have any questions or need any further information, please feel free to call any time.

Sincerely,

SPECTRA LABORATORIES, INC.

Mike Minner
Lab Director

Enclosure

SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

February 11, 1993

Nowicki & Associates
33516 9th Ave. S., Bldg. 6
Federal Way, WA 98003

Attn: Bob Simons

Sample ID: #01
Project: FW Rental Mart
Sample Matrix: Soil
Date Sampled: 2-9-93
Date Received: 2-9-93
Spectra Project: S302-074
Spectra #0806
RUSH

BTEX, EPA Method 8020
Dilution Factor: 1

Date Extracted: 2-10-93
Date Analyzed: 2-10-93
Units: mg/Kg

Benzene	<0.3
Toluene	<0.3
Ethyl Benzene	<0.3
Total Xylenes	<0.3

WTPH-G, mg/Kg	<20

SPECTRA LABORATORIES, INC.

Steven G. Hibbs, Chemist

SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

February 11, 1993

Nowicki & Associates
33516 9th Ave. S., Bldg. 6
Federal Way, WA 98003

Attn: Bob Simons

Sample ID: #02
Project: FW Rental Mart
Sample Matrix: Soil
Date Sampled: 2-9-93
Date Received: 2-9-93
Spectra Project: S302-074
Spectra #0807
RUSH

BTEX, EPA Method 8020
Dilution Factor: 1

Date Extracted: 2-10-93
Date Analyzed: 2-10-93
Units: mg/Kg

Benzene	<0.3
Toluene	<0.3
Ethyl Benzene	<0.3
Total Xylenes	<0.3

WTPH-G, mg/Kg	<20

SPECTRA LABORATORIES, INC.

Steven G. Hibbs, Chemist

SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

February 11, 1993

Nowicki & Associates
33516 9th Ave. S., Bldg. 6
Federal Way, WA 98003

Attn: Bob Simons

Sample ID: #03
Project: FW Rental Mart
Sample Matrix: Soil
Date Sampled: 2-9-93
Date Received: 2-9-93
Spectra Project: S302-074
Spectra #0808
RUSH

BTEX, EPA Method 8020 Dilution Factor: 1	Date Extracted: 2-10-93 Date Analyzed: 2-10-93 Units: mg/Kg
Benzene	<0.3
Toluene	<0.3
Ethyl Benzene	<0.3
Total Xylenes	<0.3

WTPH-G, mg/Kg	<20

SPECTRA LABORATORIES, INC.

Steven G. Hibbs, Chemist

SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

February 11, 1993

Nowicki & Associates
33516 9th Ave. S., Bldg. 6
Federal Way, WA 98003

Attn: Bob Simons

Sample ID: #04
Project: FW Rental Mart
Sample Matrix: Soil
Date Sampled: 2-9-93
Date Received: 2-9-93
Spectra Project: S302-074
Spectra #0809
RUSH

BTEX, EPA Method 8020
Dilution Factor: 1

Date Extracted: 2-10-93
Date Analyzed: 2-10-93
Units: mg/Kg

Benzene	<0.3
Toluene	<0.3
Ethyl Benzene	3.68
Total Xylenes	7.68

WTPH-G, mg/Kg	1,050

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Federal Way, WA 98003

Attn: Bob Simons

Sample ID: #05
Project: FW Rental Mart
Sample Matrix: Soil
Date Sampled: 2-9-93
Date Received: 2-9-93
Spectra Project: S302-074
Spectra #0810
RUSH

BTEX, EPA Method 8020
Dilution Factor: 1

Date Extracted: 2-10-93
Date Analyzed: 2-10-93
Units: mg/Kg

Benzene	<0.3
Toluene	<0.3
Ethyl Benzene	<0.3
Total Xylenes	<0.3

WTPH-G, mg/Kg	<20

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February 11, 1993

Nowicki & Associates
33516 9th Ave. S., Bldg. 6
Federal Way, WA 98003

Attn: Bob Simons

Sample ID: #06
Project: FW Rental Mart
Sample Matrix: Soil
Date Sampled: 2-9-93
Date Received: 2-9-93
Spectra Project: S302-074
Spectra #0811
RUSH

BTEX, EPA Method 8020
Dilution Factor: 1

Date Extracted: 2-10-93
Date Analyzed: 2-10-93
Units: mg/Kg

Benzene	<0.3
Toluene	<0.3
Ethyl Benzene	0.73
Total Xylenes	4.4

WTPH-G, mg/Kg	203

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February 11, 1993

Nowicki & Associates
33516 9th Ave. S., Bldg. 6
Federal Way, WA 98003

Attn: Bob Simons

Sample ID: #07
Project: FW Rental Mart
Sample Matrix: Soil
Date Sampled: 2-9-93
Date Received: 2-9-93
Spectra Project: S302-074
Spectra #0812
RUSH

BTEX, EPA Method 8020 Dilution Factor: 1	Date Extracted: 2-10-93 Date Analyzed: 2-10-93 Units: mg/Kg
Benzene	<0.3
Toluene	<0.3
Ethyl Benzene	<0.3
Total Xylenes	0.77

WTPH-G, mg/Kg	43.6

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Nowicki & Associates
33516 9th Ave. S., Bldg. 6
Federal Way, WA 98003

Attn: Bob Simons

Sample ID: #08
Project: FW Rental Mart
Sample Matrix: Soil
Date Sampled: 2-9-93
Date Received: 2-9-93
Spectra Project: S302-074
Spectra #0813
RUSH

BTEX, EPA Method 8020
Dilution Factor: 1

Date Extracted: 2-10-93
Date Analyzed: 2-10-93
Units: mg/Kg

Benzene	<0.3
Toluene	<0.3
Ethyl Benzene	4.73
Total Xylenes	28.7

WTPH-G, mg/Kg	955

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February 11, 1993

Nowicki & Associates
33516 9th Ave. S., Bldg. 6
Federal Way, WA 98003

Attn: Bob Simons

Sample ID: Comp. 1,2,3,4,5,6,7,8
Project: FW Rental Mart
Sample Matrix: Soil
Date Sampled: 2-9-93
Date Received: 2-9-93
Spectra Project: S302-074
Spectra #0814
RUSH

Total Lead (Pb), mg/Kg	73

Total Lead testing performed by EPA Method 6010

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February 11, 1993

Nowicki & Associates
33516 9th Ave. S., Bldg. 6
Federal Way, WA 98003

Attn: Bob Simons

Sample Matrix: Soil
EPA Method: BETX 8020
Sample Spiked: Method Blank
Date Extracted: 2-1-93
Date Analyzed: 2-1-93
Units: mg/Kg
Spectra Project: S302-074
Applies to Spectra #'s
0806 through 0813

VOLATILE ORGANIC ANALYSIS
QUALITY CONTROL RESULTS

Compound	Sample Result	Spike Amount Added	Spike Amount Found	% Recovery	Dup. Spike Amount Found	% Recovery	% RPD
Benzene	<0.30	0.88	0.90	103	0.93	106	4
Toluene	<0.30	0.88	0.96	109	0.98	111	2
Ethylbenzene	<0.30	0.88	0.94	107	0.97	110	3
m,p-Xylene	<0.30	1.70	1.67	98	1.73	102	4
o-Xylene	<0.30	0.88	0.96	109	0.97	110	1

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2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

February 11, 1993

Nowicki & Associates
33516 9th Ave. S., Bldg. 6
Federal Way, WA 98003

Attn: Bob Simons

Method: WTPH-G
Sample Matrix: Soil
Spectra Project: S302-074
Applies to Spectra #'s
0806 through 0813

HYDROCARBON ANALYSIS
QUALITY CONTROL RESULTS

MS/MSD

Spiked Sample: Method Blank
Units: mg/Kg

Date Extracted: 2-1-93
Date Analyzed: 2-1-93

Compound	Sample Result	Spike Amount	Spike Result	% Recovery	Dup. Result	Dup. Recovery	% RPD
Gasoline	<20	51.4	52	101	46.4	90	11

METHOD BLANK

Date Extracted: 2-10-93

Date Analyzed: 2-10-93

WTPH-G, mg/Kg

<20

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SPECTRA Laboratories, Inc.

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February 11, 1993

Nowicki & Associates
33516 9th Ave. S., Bldg. 6
Federal Way, WA 98003

Attn: Bob Simons

METHOD BLANK
Sample Matrix: Soil
Spectra Project: S302-074
Applies to Spectra #'s
0806 through 0813

BTEX, EPA Method 8020
Dilution Factor: 1

Date Extracted: 2-10-93
Date Analyzed: 2-10-93
Units: mg/Kg

Benzene	<0.3
Toluene	<0.3
Ethyl Benzene	<0.3
Total Xylenes	<0.3

SPECTRA LABORATORIES, INC.

Steven G. Hibbs, Chemist

SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

February 11, 1993

Nowicki & Associates
33516 9th Ave. S., Bldg. 6
Federal Way, WA 98003

Attn: Bob Simons

METHOD BLANK
Date Analyzed: 2-10-93
Spectra Project: S302-074
Applies to Spectra #0814

Total Lead (Pb), mg/Kg	<4

Total Lead testing performed by EPA Method 6010

SPECTRA LABORATORIES, INC.

Steven G. Hibbs, Chemist

UNDERGROUND STORAGE TANK
Permanent Closure/Change-In-Service Checklist

C C ✓ N-N 006523 UST0432

The purpose of this form is to certify the proper closure/change-in-service of underground storage tank (UST) systems. These activities must be conducted in accordance with Chapter 173-360 WAC. Washington State UST rules require the tank owner or operator to notify Ecology in writing 30 days prior to closure or change-in-service of tanks. This must be done by completing the 30 Day Notice form (ECY 010-155).

This Permanent Closure Checklist shall be completed and signed by a Licensed Decommissioning Supervisor. The supervisor shall be on site when all tank permanent closure/change-in-service activities are being conducted. The firm which employs the licensed supervisor shall also be licensed by the Washington State Department of Ecology as a Service Provider. If any of the activities listed below have been supervised by a different licensed supervisor, a separate checklist must be filled out and signed by the licensed supervisor performing those activities.

For further information about completing this form, please contact the Department of Ecology UST Program.

A separate checklist must be completed for each UST system (tank and associated piping), except that UST systems at one site may be reported together by completing page 2 of this form separately for each system. The completed checklist should be mailed to the following address within 30 days of the completion of the closure or change-in-service.

Underground Storage Tank Section
Department of Ecology
Mail Stop PV-11
Olympia, WA 98504-8711

RECEIVED DEPT OF ECOLOGY UNDERGROUND STORAGE TANKS AUG 26 1993

1. UST SYSTEM OWNER AND LOCATION

Site Owner/Operator: BANK OF CALIFORNIA

Owners Address: PO BOX 3123 (Street / P.O. Box)

SEATTLE, WA 98114 (City / State / ZIP Code)

Telephone: (206) 587-6151

tank #1 diesel

Site ID Number (on invoice or available from Ecology if tank is registered):

Site/Business Name: RENTAL MART

Site Address: 29805 PACIFIC HIGHWAY S (Street) King (County)

FEDERAL WAY, WA 98003 (City / State / ZIP Code)

2. TANK PERMANENT CLOSURE/CHANGE-IN-SERVICE PERFORMED BY:

Firm: O'Sullivan Petroleum Equipment Company License Number: S000036

Address: 3214 16th Avenue S. W. (Street)

Seattle WA 98134 (City / State / P.O. Box / ZIP Code)

Telephone: (206) 682-2440

Licensed Supervisor: John C Ram Decommissioning License Number: W0014 3

This page must be completed separately for each tank permanently closed (decommissioned) or change-in-service at the site. For additional tanks you may photocopy this form prior to completing.

3. TANK CLOSURE/CHANGE-IN-SERVICE INFORMATION

1. Tank ID Number (as registered with Ecology): N/A
2. Year installed: 1970
3. Tank capacity in gallons: 300
4. Date of last use:
5. Last substance stored: Diesel
6. Date of closure/change-in-service: 7-19-93
7. Type of closure: Closure with Tank Removal ☑ In-place Closure ☐ Change-in-Service ☐
8. If in-place closure is used, the tank has been filled with the following substance: N/A
9. If change-in-service, indicate new substance stored in tank: N/A
10. Local permit(s) (if any) obtained from: KENT HAZARDOUS FIRE PERMIT

Always contact local authorities regarding permit requirements.

11. Has a site assessment been completed? Yes ☐ No ☐

Unless an external release detection system is operating at the time of closure or change in service, and a report is provided as specified in WAC 173-360-390, a site assessment must be conducted. This site assessment must be conducted by a person registered with the Department of Ecology to perform site assessments. Results of the site assessment must be included with the Site Assessment Checklist (ECY 810-153).

4. CHECKLIST

Each item of the following checklist shall be initialed by the licensed supervisor whose signature appears below.

	Yes	No	NA*
1. Has all liquid been removed from product lines?	WP		
2. Has all product piping been capped or removed?	WP		
3. Have all non-product lines been capped or removed?	WP		
4. Have all liquid and accumulated sludges been removed from the tank?	WP		
5. Has the tank been properly purged or inerted?	WP		
6. Have the drop tube, fill pipe, gauge pipe, pumps and other tank fixtures been removed?	WP		
7. Have all tank openings been plugged or capped? NOTE: One plug should have 1/8 inch vent hole.			WP
8. Have all sludges removed from the tank been designated and disposed of in accordance with the state of Washington's dangerous waste regulations (Chapter 173-303 WAC)?	WP		
9. If removed, was tank properly labeled and disposed of in accordance with all applicable local, state and federal regulations?	WP		

*Item not applicable

I hereby certify that I have been the licensed supervisor present on site during the above listed permanent closure activities and to the best of my knowledge they have been conducted in compliance with all applicable state and federal laws, regulations and procedures pertaining to underground storage tanks.

Persons submitting false information are subject to penalties under Chapter 173-360 WAC.

7-19-93
Date

William V. Hennessy Jr.
Signature of Licensed Supervisor

5. ADDITIONAL REQUIRED SIGNATURES

8/15/93
Date

Bradley D. Kaufman for O'SULLIVAN
Signature of Licensed Supervisor, Principal Owner or Authorized Representative

Date

Signature of Tank Owner or Authorizing Representative

N.W.

UNDERGROUND STORAGE TANK
Site Check/Site Assessment Checklist

For Office Use Only
Owner # UOOO432 K.B.
Site # 006523

INSTRUCTIONS:

When a release has not been confirmed and reported, this Site Check/Site Assessment Checklist must be completed and signed by a person registered with Ecology. The results of the site check or site assessment must be included with this checklist. This form must be submitted to Ecology at the address shown below within 30 days after completion of the site check/site assessment.

SITE INFORMATION: Include the Ecology site ID number if the tanks are registered with Ecology. This number may be found on the tank owner's invoice or tank permit.

TANK INFORMATION: Please list all tanks for which the site check or site assessment is being conducted. Use the owner's tank ID numbers if available, and indicate tank capacity and substance stored.

REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT: Please check the appropriate item.

CHECKLIST: Please initial each item in the appropriate box.

SITE ASSESSOR INFORMATION: This form must be signed by the registered site assessor who is responsible for conducting the site check/site assessment.

NOV 16 1995

Underground Storage Tank Section
Department of Ecology
P. O. Box 47655
Olympia, WA 98504-7655

SITE INFORMATION

Site ID Number (on invoice or available from Ecology if the tanks are registered): 006523

Site/Business Name: Rental Marts

Site Address: 29805 Pacific Hwy S. (Street) Telephone: ( ) _____

Federal Way (City) Washington (State) 98003 (ZIP Code)

TANK INFORMATION

Tank ID No.	Tank Capacity	Substance Stored
#1	500 gallons	diesel fuel

REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT

Check one:

- ____ Investigate suspected release due to on-site environmental contamination
- ____ Investigate suspected release due to off-site environmental contamination.
- ____ Extend temporary closure of UST system for more than 12 months.
- ____ UST system undergoing change-in-service.
- ____ UST system permanently closed-in-place.
- ✓ UST system permanently closed with tank removed.
- ____ Abandoned tank containing product.
- ____ Required by Ecology or delegated agency for UST system closed before 12/22/88.
- ____ Other (describe): _____

N.W.

UNDERGROUND STORAGE TANK
Site Check/Site Assessment Checklist

For Office Use Only
Owner # 0000432 K.B.
Site # 006523

INSTRUCTIONS:

When a release has not been confirmed and reported, this Site Check/Site Assessment Checklist must be completed and signed by a person registered with Ecology. The results of the site check or site assessment must be included with this checklist. This form must be submitted to Ecology at the address shown below within 30 days after completion of the site check/site assessment.

SITE INFORMATION: Include the Ecology site ID number if the tanks are registered with Ecology. This number may be found on the tank owner's invoice or tank permit.

TANK INFORMATION: Please list all tanks for which the site check or site assessment is being conducted. Use the owner's tank ID numbers if available, and indicate tank capacity and substance stored.

REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT: Please check the appropriate item.

CHECKLIST: Please initial each item in the appropriate box.

SITE ASSESSOR INFORMATION: This form must be signed by the registered site assessor who is responsible for conducting the site check/site assessment.

MAY 16 1995

Underground Storage Tank Section
Department of Ecology
P. O. Box 47655
Olympia, WA 98504-7655

SITE INFORMATION

Site ID Number (on invoice or available from Ecology if the tanks are registered): 006523

Site/Business Name: Rental Marts

Site Address: 29805 Pacific Hwy S. (Street) Telephone: ( )

Federal Way (City) Washington (State) 98003 (ZIP Code)

TANK INFORMATION

Tank ID No.	Tank Capacity	Substance Stored
#1	500 gallons	diesel fuel

REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT

Check one:

- ____ Investigate suspected release due to on-site environmental contamination
- ____ Investigate suspected release due to off-site environmental contamination.
- ____ Extend temporary closure of UST system for more than 12 months.
- ____ UST system undergoing change-in-service.
- ____ UST system permanently closed-in-place.
- ✓ UST system permanently closed with tank removed.
- ____ Abandoned tank containing product.
- ____ Required by Ecology or delegated agency for UST system closed before 12/22/88.
- ____ Other (describe): ____

43 7484

N.W. U0000432 K.
8263 06523

UNDERGROUND STORAGE TANK
30 Day Notice of Intent to Close/Decommission Tanks

The purpose of this form is to provide the Department of Ecology with notice of intent to close/decommission an UST. It must be received 30 days prior to the closure [illegible] of the UST to be closed or his/her authorized repr[illegible] ology will notify the identified person of the earliest d[illegible]

For questions on completing this form pleas[illegible]

Please type or use ink.

The completed checklist should be mailed t[illegible]

Post-it™ brand fax transmittal memo 7671 | # of pages ▸ One

To Joyce Smith	From Darcy Walker
Co. Dept of Ecology	Co. O'Sullivan Petroleum
Dept. UST Section	Phone # 682-2440
Fax # 438-7484	Fax # 621-8568

1. TANK OWNER AND LOCATION

UST Owner/Operator: Bank of California

Owners Mailing Address: 3723 (Street)

Seattle (City) WA (State) 98114 (P.O. Box / ZIP Code)

MAY 16 1995

Telephone: (206) 587-6151

Site ID Number (on invoice or available from Ecology if tank is registered):

Site/Business Name: Rental Mart

Site Address: 29805 Pacific Highway S. (Street) King (County)

Federal Way (City) WA (State) (ZIP Code)

2. TANK PERMANENT CLOSURE TO BE PERFORMED BY (If known):

Firm: O'Sullivan Petroleum Equipment Co.

Address: 3214 16th ave SW (Street)

Seattle (City) WA (State) 98134 (P.O. Box / ZIP Code)

Telephone: (206) 682-2440 Contact Name: DARCY WALKER

3. TANK INFORMATION

Tank Identification	Approx. Closure Date	Tank Capacity (gallons)	Tank Age (years)	Last Substance Stored
#1	May 10/93	~~1000 gal.~~ 500	20-25	diesel

4. SIGNATURE OF TANK OWNER/OPERATOR OR AUTHORIZED REPRESENTATIVE:

Darcy L Walker (Signature) Estimator/Project Manager (Title) 4/2/93 (Date)

ECY 181-155 (Rev 6/90)

N.W. 000000432 K.
006523

#2

MAY 16 1995

tank #1
Diesel

1/1

Rental Marts
UST Removal Project
Federal Way, Washington

UST Site Assessment

Prepared for:

Janice Dimick
The Bank of California
910 Fourth Avenue
Seattle, Washington 98164

&

O'Sullivan Petroleum Equipment Company
3214 - 16th Avenue SW
Seattle, Washington 98134

July, 26 1993

HAZCON, Inc. Project #4259

HEALTH HAZARD CONTROL SERVICES
HAZCON INC.
4626 E. Marginal Way So. #213
Seattle, WA 98134
(206) 763-7364

HAZCON INC.
HEALTH HAZARD CONTROL SERVICES

4636 East Marginal Way South, Suite 215 • Seattle, Washington 98134
206.763.7364 • Fax 206.763.4189

July 26, 1993

Janice M. Dimick
Assistant Vice President &
Senior Trust Real Estate Officer
The Bank of California
910 Fourth Avenue
Seattle, Wa 98114

Re: UST Site Assessment and Closure
Rental Marts
12401 Pacific Highway South
Federal Way, Washington

Dear Ms. Dimick:

This letter report presents the findings from the Underground Storage Tank (UST) Site Assessment performed by O'Sullivan Petroleum Equipment Company (OPEC) and Hazcon, Inc., of Seattle, Washington, as part of the removal one 500-gallon diesel fuel UST located at the above referenced property (Figures 1 and 2).

The UST was decommissioned and excavated by O'Sullivan Petroleum Equipment Company (OPEC) of Seattle, Washington. Hazcon, Inc. (Hazcon) performed the UST Site Assessment for the project following Washington State Department of Ecology's (Ecology) Guidelines for Site Checks and Site Assessments for USTs.

The objectives of this project included:

- Removing one 500 gallon diesel fuel UST and associated piping and pump island;
- Determining concentrations of diesel total petroleum hydrocarbons (TPHs) in soil adjacent to and underlying the UST system and associated soil stockpile;
- Comparing concentrations of diesel TPHs detected in soil, if any, to the applicable Washington State Model Toxics Control Act (MTCA) Method A Soil Cleanup Guidelines (WAC 173-340) and Guidance for Remediation of Releases from USTs; and
- Interpreting field and analytical data, documenting field and UST removal activities, making recommendations for additional site characterization (if any), and preparing this report (following Washington State Department of Ecology's Guidance for Site Checks and Site Assessment for USTs).

Location

The Rental Mart is located at 29805 Pacific Highway South, Federal Way, Washington, (Section 4, Township 21 North, Range 4 East) (Figures 1 and 2). The subject property lies approximately one mile southeast of Poverty Bay and seven-tenths mile south of 288th Street, at an elevation of approximately 430 feet above sea level. The area immediately adjacent to the subject property is predominately used for residential or light commercial purposes. The subject property is operated by Rental Marts for equipment rental.

The 500 gallon diesel fuel UST was located approximately 35 feet north of the west end of the Rental Mart facility (Figure 2).

Letter Report Organization

This letter report begins with a Summary of Findings for this project. Following the Summary of Findings is a discussion on project area geology and soil/groundwater conditions. Subsequent sections present other elements of Hazcon's UST Site Assessment investigation (UST history and decommissioning activities, excavation descriptions, soil sampling, laboratory analyses, findings, and conclusions). Figures and Tables accompanying this report follow the main text and are followed by the UST 30-Day Notice of Intent, UST Permanent Closure, and UST Site Assessment Checklists (as filed with Ecology). Supporting technical appendices follow the UST Site Assessment Checklist.

SUMMARY OF FINDINGS

Diesel TPH concentrations detected in soil samples collected within the diesel fuel UST excavation ranged from non-detectable to 140 ppm (below MTCA Method A Soil Cleanup Levels). The TPH concentration (as diesel and lubricating oil) for one representative sample collected from the soil stockpile was 490 ppm (above the MTCA Cleanup Level). The soil stockpile classified as a Class III soil and was disposed of at the permitted Rabanco Landfill (by Rabanco) as a non-hazardous MTCA material.

LOCAL GEOLOGY AND GROUNDWATER

Local Geology

The geology in the vicinity of the subject property is dominated by Upper Pleistocene ground moraine deposits (Waldron, 1961) generally composed of thin ablation till overlying lodgment till (Mullineaux, 1965). Lodgement till is generally a compact, coherent, unsorted mixture of sand, silt, clay, and gravel; commonly termed hardpan. Ablation till is similar, but less compact and coherent. Lodgement till is practically impermeable and relatively difficult to excavate and stable along steep exposures.

Site Geology

Soil within the UST excavation generally consisted of dry gravely sands from the surface to a depth of 2 feet below ground surface (BGS), sandy fine gravel from 2 to 3 feet BGS, and moist gravely sands from 3 feet to at least 8 feet BGS (Photo 1/Appendix A).

Groundwater

Groundwater was not encountered in the UST excavation pit.

UST HISTORY

The 500-gallon diesel fuel UST and pump island dispenser were located 35 feet north of the Rental Marts facility (Figure 2). According to Rental Marts the UST and single pump island dispenser where installed in about 1970. According to records on-file with the Washington State DOE UST Section, this UST was installed before 1965 (personal communication, Roger Nye). The UST was active until being decommissioned on May 21, 1993 (personal communication, Mike Muller, OPEC). The UST system stored diesel fuel #2 during it's tenure and was used to refuel Rental Mart's rental equipment.

The UST system consisted of a single-wall steel tank and associated steel piping. The UST was not anchored nor was it equipped with overfill or cathodic protection. The UST system check valve was located at the pump island dispenser and consisted of suction-type piping. OPEC is unaware of any volumetric tank tightness tests performed on the UST.

The UST was inerted and excavated by OPEC on June 25, 1993. Prior to excavation the UST was triple rinsed and inerted with CO_2 under OPEC's supervision. OPEC removed the UST from the excavation using a tire mounted backhoe. The tank showed minimal signs of rust and corrosion (e.g., pock marks) (Photo 2). OPEC transported the UST to Coastal Tank Inc. of Seattle, Washington for scrap metal (Appendix B).

EXCAVATION SITE DESCRIPTION

The UST was oriented north-south. The removal of the UST; associated piping, and the pump island dispenser (Photo 3) resulted in a single excavation pit (i.e., the pump island and was located above the UST).

OPEC excavated the UST system using a tire mounted backhoe. The UST system excavation pit was 13 feet by 8 feet in plan and had a depth of 8 feet BGS. Approximately 30 cubic yards of excavated soil was stockpiled adjacent to and west of the excavation pit (Figure 2). The soil stockpile was placed on and covered with visquene and bermed. The UST system excavation was surrounded with a chain link fence until site restoration.

SOIL SAMPLING

Soil samples were selected by a Hazcon geologist (registered site assessor with the Washington State Department of Ecology), based on visual and olfactory observations. Hazcon collected a total of eight discrete soil samples from the UST excavation (five samples) and associated soil stockpile (three samples) (Figure 2). The five samples collected from the UST excavation pit included four samples from the excavation pit sidewalls (samples SW1-6.0, SW2-6.5, SW3-6.5, and SW4-7.0) and one from the excavation pit floor (sample B1-8.0). Sidewall samples were collected between 6.0 feet and 7.0 feet BGS. The excavation pit floor sample was collected at 8.0 feet BGS. Groundwater was not encountered the UST excavation pit.

Soil samples from the UST excavation were collected using the backhoe to withdraw soil from the excavation pit. An aliquot of soil was then removed from the center of the backhoe bucket using a stainless steel spoon and transferred to a preconditioned sterilized glass jar (soil sampling protocols, Appendix C). Soil samples collected from the soil stockpile were collected with a hand auger from the approximate soil stockpile center (samples STP1 to STP3). Soil samples were placed in an ice chest and transported to the analytical laboratory. Chain of custody procedures were followed for all samples.

LABORATORY ANALYSES

Soil samples were analyzed for parameters outlined in Ecology's Guidance for Site Checks and Site Assessments for USTs (their Table 6-1. Required and Recommended Analyses for Petroleum Substances). A total of five soil samples (two composite and three discrete soil samples) were analyzed for diesel TPHs by Friedman and Bruya Laboratories, Inc. of Seattle, Washington. Samples SW1-6.0 and SW3-6.5, (collected from the east and south sidewall respectively) were composited together into one sample for analysis (samples were composited together by the laboratory chemist). Samples SW2-6.5, SW4-7.0, and B1-8.0 (west sidewall, north sidewall, pit floor, respectively) were analyzed as discrete soil samples. Soil stockpile samples STP1, STP2, and STP3 were composited together into one sample for analysis.

A full laboratory report and a quality assurance review of the laboratory results are given in Appendix D.

FINDINGS

Composite sidewall sample SW1-6.0/SW3-6.5 had non-detectable diesel TPHs (Table 1). Discrete sidewall samples SW2-6.5 and SW4-7.0 had a diesel TPH concentrations of 80 ppm and 140 ppm, respectively. Soil sample SW4-7.0 was collected from a narrow zone of soil contamination restricted to the northwest corner of the UST excavation (Photo 1). This soil sample was selected with the intent of representing a *worst case scenario* of contaminated soil within this narrow band. Discrete sample B1-8.0 had a diesel TPH concentration of 20 ppm. Soil stockpile composite sample (STP1/STP2/STP3) had a TPH (as a mixture of diesel and lubricating oil) concentration of 490 ppm (see Table 1/Appendix D).

CONCLUSIONS

All soil samples collected from within the UST excavation pit had diesel TPH concentrations below the MTCA Method A Cleanup Guidelines (200 ppm for diesel TPHs). Based on these results, further soil excavation was not required nor recommended. Based on the TPH concentrations detected in the soil stockpile (490 ppm), the soil stockpile designated as a Class III non-hazardous MTCA waste material. According to Ms. Janice Dimick, the petroleum contaminated soil stockpile was subsequently transported by Rabanco and disposed of at Rabanco's permitted landfill facility. The UST system excavation was backfilled with clean fill material to subgrade and finished with asphalt under OPEC supervision.

LIMITATIONS

Work for this project was performed, and this report prepared, in accordance with generally accepted professional practices for the nature and conditions of the work completed in the same or similar localities at the time the work was performed. Hazcon's results and findings from the select areas do not necessarily reflect the soil or groundwater quality underlying other site areas not investigated. This report is not meant to represent a legal opinion. No other warranty, expressed or implied, is made.

Any questions regarding our work and this letter report, the presentation of the information, and the interpretation of the data are welcome and should be referred to the undersigned.

Sincerely,
Hazcon, Inc.

Paul Riley, M.S.
Project Geologist

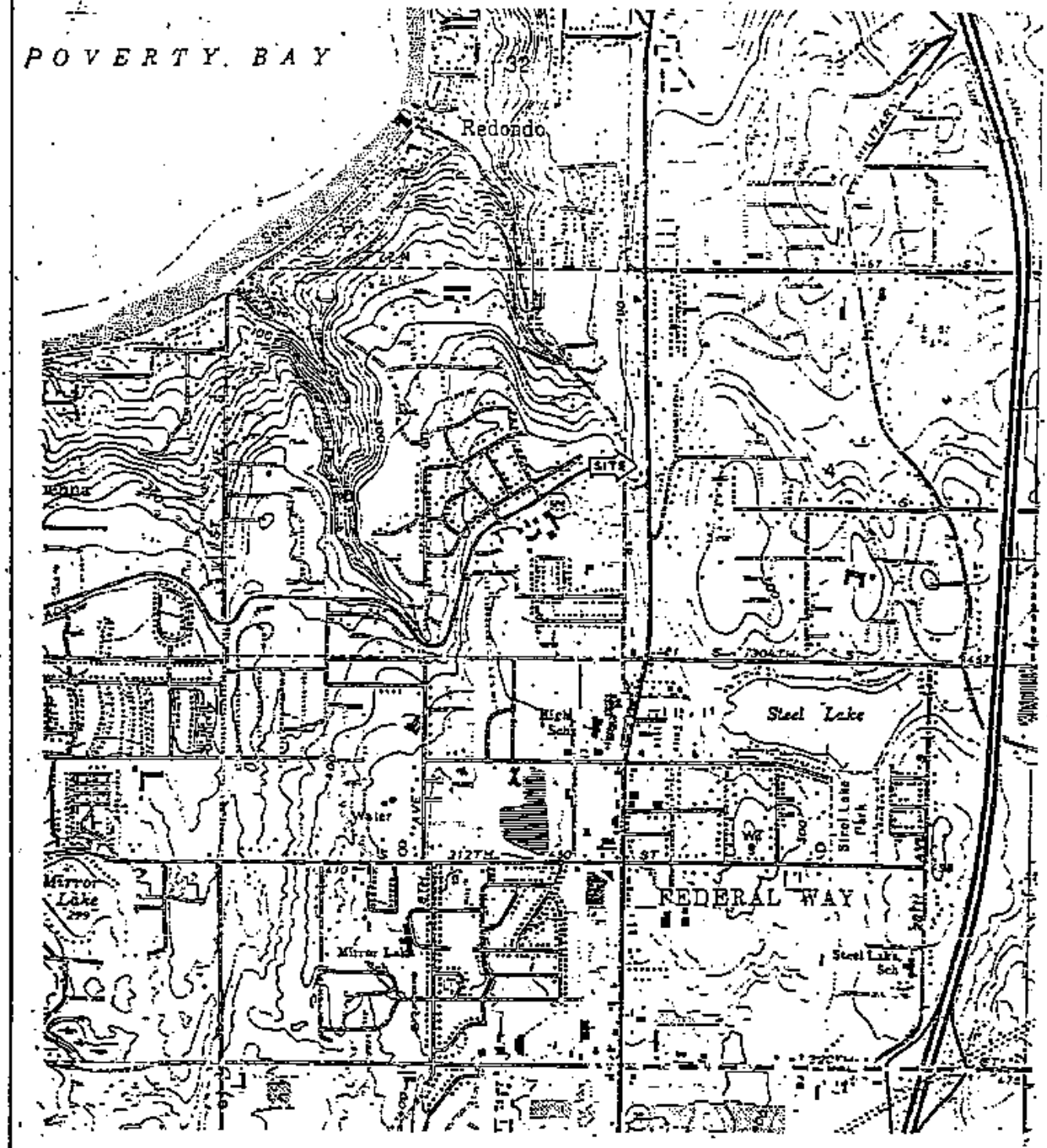
Cynthia Torzynski, M.S.
Staff Geologist
Cynthia Torzynski
Attachments

cc: Mike Muller
O'Sullivan Petroleum Equipment Company
3214 - 16th Avenue SW
Seattle, Wa 98134

John Strub
Federal Way Fire Dept.
31617 - 1st Avenue South
Federal way Washington 98003

Cathy Downs
UST Section
Department of Ecology
P.O. Box 47655
Olympia, Washington 98504-7655

Rental Marts Vicinity Map



From U.S.G.S. 7.5 MIN. X 15 MIN.
Series Quadrangle
Poverty Bay, Washington
1961

N

Scale: 1: 24 000

Figure 1

HAZCON INC.
4636 E. Marginal Way S.
Suite 215
Seattle, Wa 98134

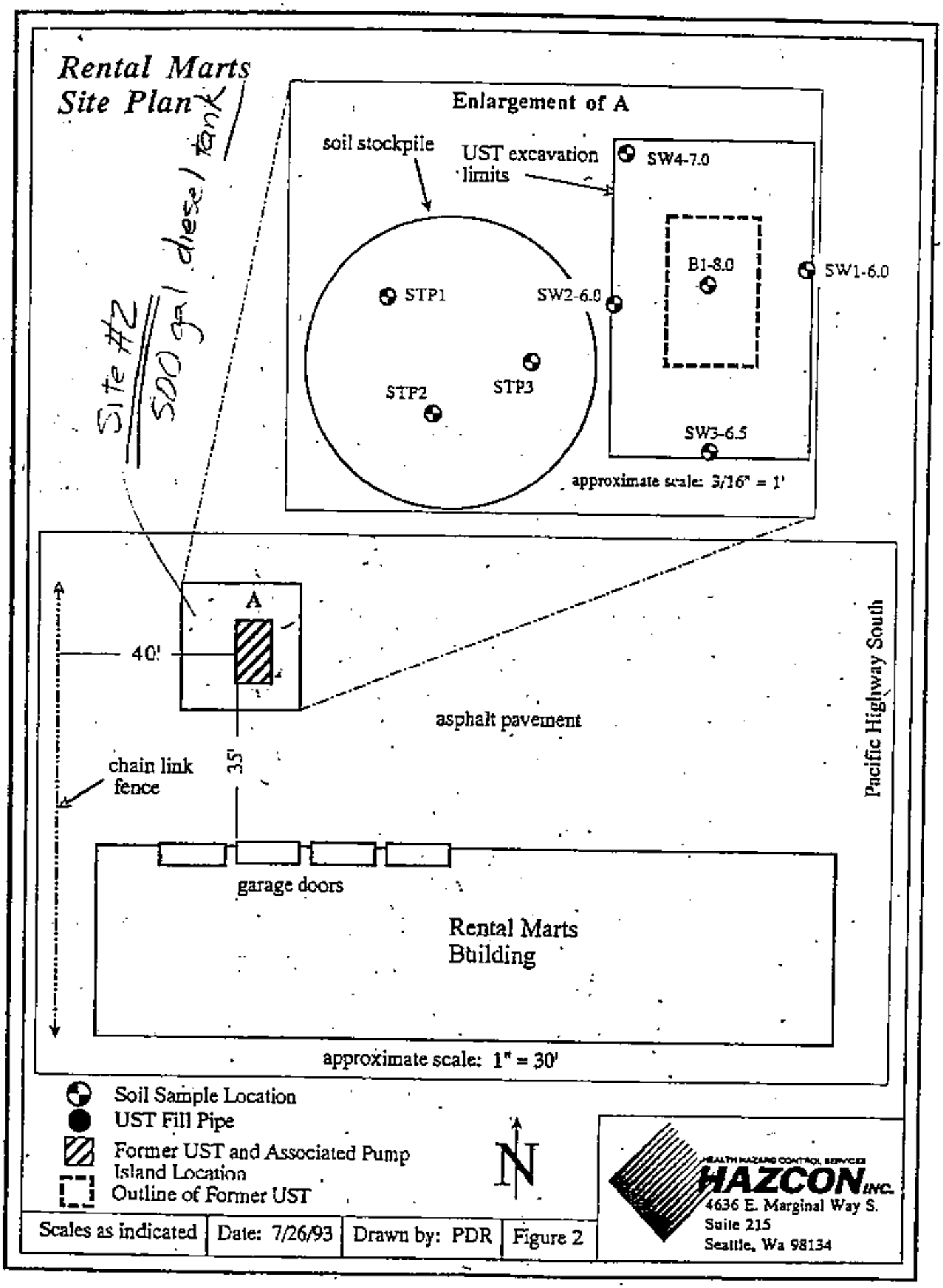

Rental Marts
Site Plan
Site #2
500 gal diesel tank
Enlargement of A
soil stockpile
UST excavation limits
SW4-7.0
B1-8.0
SW1-6.0
SW2-6.0
STP1
STP2
STP3
SW3-6.5
approximate scale: 3/16" = 1'
A
40'
35'
asphalt pavement
chain link fence
Pacific Highway South
garage doors
Rental Marts Building
approximate scale: 1" = 30'
Soil Sample Location
UST Fill Pipe
Former UST and Associated Pump Island Location
Outline of Former UST
N
Scales as indicated
Date: 7/26/93
Drawn by: PDR
Figure 2
HAZCON INC.
4636 E. Marginal Way S.
Suite 215
Seattle, Wa 98134

Table 1. Summary of Analytical Results for Soil Samples Collected Adjacent to and Underlying the Diesel Fuel UST and Associated Pump Island.

Sample Number	Soil Sample Location	Sample Depth	Sample Date	WTPH-D (ppm)
B1-8.0	pit floor	8.0	6/25/93	20
B1-8.0 (duplicate)	---	---	---	20
SW1-6.0 & SW3-6.5*	east/south sidewalls	6.0/6.5	6/25/93	<10
SW2-6.5	west sidewall	6.5	6/25/93	80
SW4-7.0	north sidewall	7.0	6/25/93	140
STP1 & STP2 & STP3*	soil stockpile	---	6/25/93	490
MTCA	NA	NA	NA	200

Samples SW1-6.0 & SW3-6.5* collected as two discrete samples and composited together into one sample by the laboratory for analysis.
duplicate, laboratory duplicate analysis.
Sample Depth, given in feet below ground surface.
NA, not applicable.
WTPH-D, Washington State Test Method for diesel range petroleum hydrocarbons.
ppm, parts per million = mg/kg.
MTCA, Model Toxics Control Method A Soil Cleanup Levels (WAC-173-340).

APPENDIX A
Photographs

Photo 1. View of UST system excavation and characteristic soil types. Notice slight petroleum stained soil located at bottom of UST excavation, northwest corner. Soil sample SW4-7.0 was collected from this narrow zone of petroleum contamination.

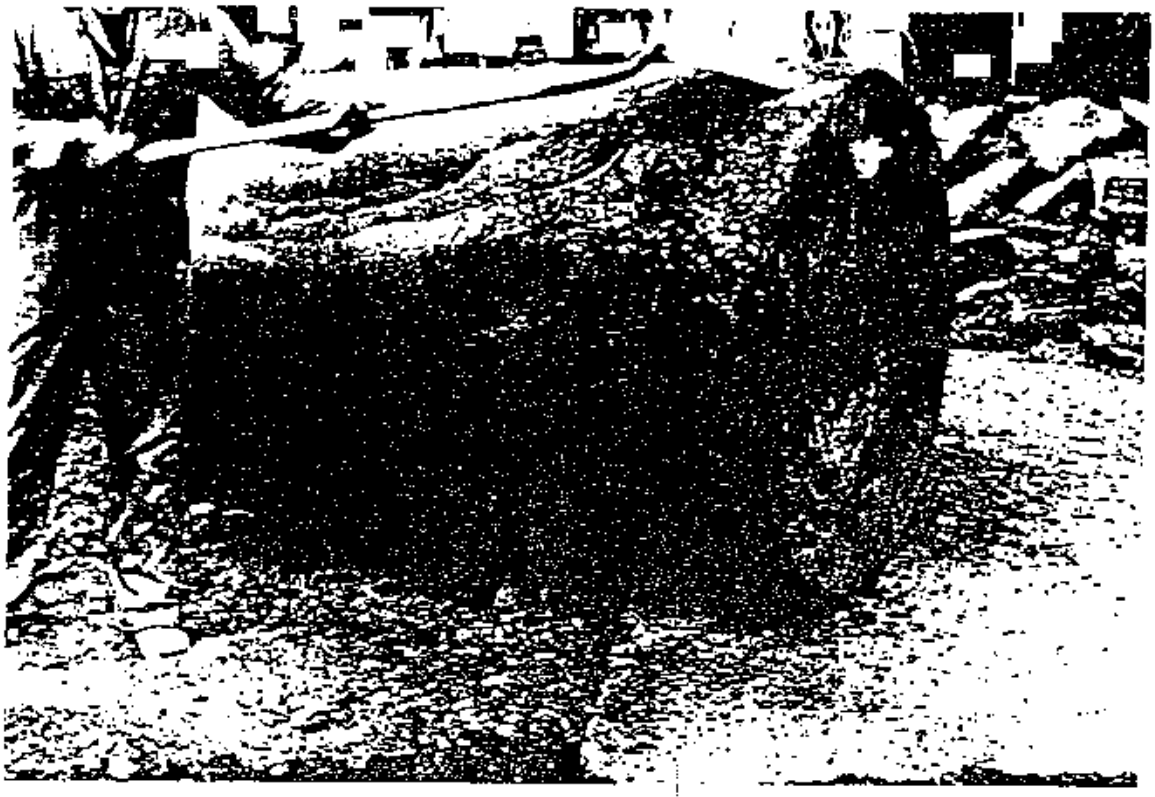


Photo 2. View of 500 gallon diesel fuel UST. Note the presence of minor rust along UST bottom and north end. The rag on north side of UST plugs hole punched by backhoe teeth.

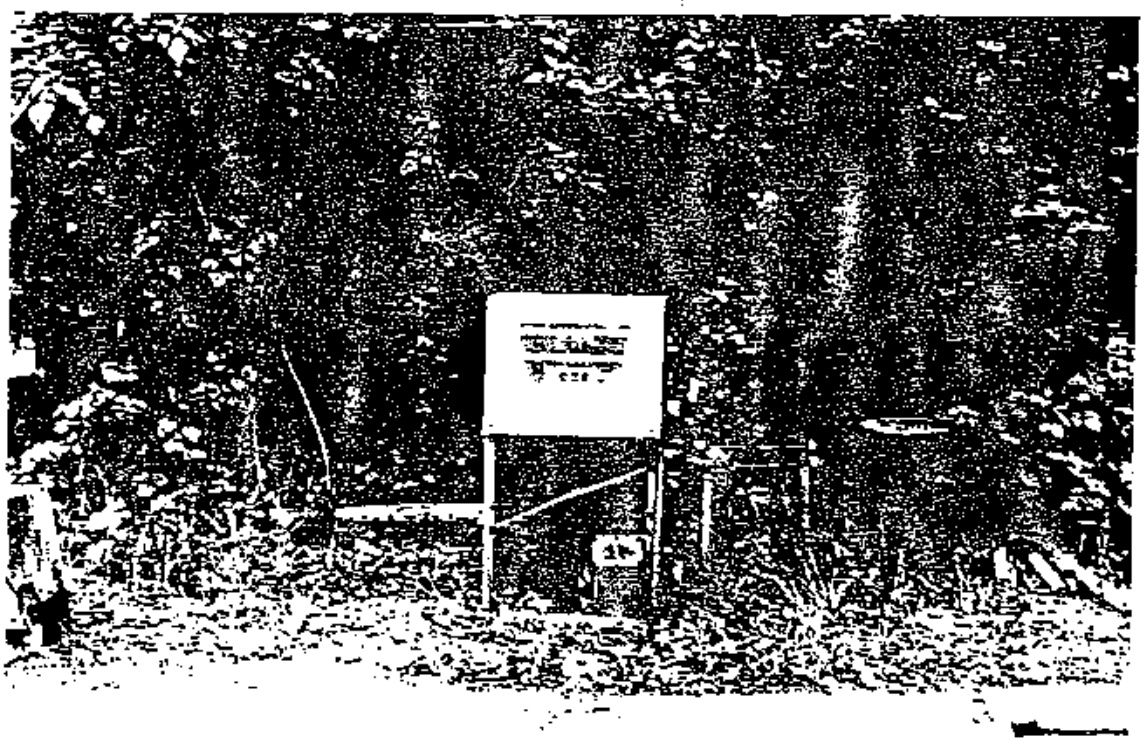


Photo 3. View of decommissioned pump island, formerly used with 500 gallon diesel fuel UST.

APPENDIX B
UST Cleaning and
Disposal Certificate

223-02-CC-AS-T1202RE

Coastal Tank Cleaning, Inc.
3801 7th Avenue South, Seattle, Washington 98108
Phone (206) 624-98
Fax No. (206) 624-97

DISPOSAL CERTIFICATION

DATE: June 15, 1993, 1993

TO: O'Sullivan Petroleum Equipment Co.
3214 16th Ave SW
Seattle, Wa. 98134

JOB SITE : Rental Mart, 29805 Pacific Hwy South, Federal Way

CTC's JOB#: 8429-93

YOUR PO #: 15556

Dear Sirs,

This letter is to certify that Coastal Tank Cleaning, Inc. (CTC) has received the following tank(s) for cleaning and disposal in accordance with all Federal, State and Local rules and regulations:

1: 500 gallon Diesel

DATE RECEIVED: 5-24-93

DATE CLEANED: 5-26-93

DATE DISPOSED: 5-27-93

BILL OF LADING #: 4026

METHOD OF DISPOSAL: Scrap Metal

If you have any questions regarding this matter please feel free to call at (206) 624-9843

Sincerely,

Don Austin
UST DISPOSAL MANAGER

APPENDIX C
Field Exploration & Soil Sampling Protocols

APPENDIX C
FIELD EXPLORATION AND SOIL SAMPLING PROTOCOLS

Soil samples were collected from either the center of the backhoe bucket or the hand auger sampler using a stainless steel spoon. All samples were collected using standard sampling procedures which minimize the risk of sample contamination. Prior to soil sampling, sampling tools were cleaned with a stiff brush and detergent solution consisting of Alconox and warm water, then rinsed with tap water and liberal quantities of distilled, deionized water. The soil samples were collected in 4 ounce borosilicate glass containers with teflon-lined screw caps. Samples were stored in a chilled ice chest and delivered directly to Friedman and Bruya Laboratories, Inc. of Seattle, Washington for analysis. Chain of custody forms accompanied each sample shipment, signed by field personnel, the shipping agency (if used), and the laboratory chemist.

APPENDIX D
Laboratory Report & Quality Assurance Data Review

APPENDIX D
LABORATORY REPORT
& QUALITY ASSURRANCE REVIEW

Analytical results were reported by the laboratory as a net weight value. The results shown in this report were converted to dry weight values by dividing the wet weight results by the percentage of total solids in the soil sample.

Laboratory quality assurance and quality control was performed by analyzing duplicate samples and surrogate recoveries. The duplicate sample results indicate good sampling and analytical precision.

In general, all analytical data were deemed acceptable.

FRIEDMAN & BRUYA, INC.
ENVIRONMENTAL CHEMISTS

Andrew John Friedman
James E. Bruya, Ph.D.
(206) 285-8282

3008-B 16th Avenue West
Seattle, WA 98119
FAX: (206) 283-5044

May 27, 1993

Paul Riley, Project Leader
HAZCON
4636 E. Marginal Way South, Suite 215
Seattle, WA 98134

Dear Mr. Riley:

Enclosed are the results from the testing of material submitted on May 25, 1993 from Project 4259, Rental Marts.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

Amy Gray

Amy M. Gray
Chemist

AMG/dp

Enclosures

FRIEDMAN & BRUYA, INC

ENVIRONMENTAL CHEMISTS

Date of Report: May 27, 1993
Date Received: May 25, 1993
Project: 4259, Rental Marts
Date Samples Extracted: May 26, 1993
Date Extracts Analyzed: May 26, 1993

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL BY GC/FID (Modified 8015) per Washington DOE Guidelines

Results Reported as µg/g (ppm)

Sample #	Diesel	Internal Standard (% Recovery)
Composite: SW1 - 6.0 SW3 - 6.5	<10	93%
SW2 - 6.5	80	91%
SW4 - 7.0	140	93%
B1 - 8.0	20	90%
Composite: STP1 STP2 STP3	490[id]	93%
Quality Assurance		
Blank	<10	95%
B1 - 8.0 (Duplicate)	20	92%
B1 - 8.0 (Matrix Spike) % Recovery	71%	90%
B1 - 8.0 (Matrix Spike Duplicate) % Recovery	70%	89%
Spike Blank % Recovery	71%	91%
Spike Level	500	

[id] The material present appears to be indicative of a mixture of diesel and a lubricating oil.

FRIEDMAN & BRUYA, INC.
1008 B 16th Avenue West
Seattle, WA 98119

SAMPLE CHAIN OF CUSTODY

Send Report To:
Company: Hazcon Inc Contact: Paul Riley
Address: 4636 E. Marginal Way Suite 215
City, State, Zip: Seattle, WA 98134
Phone #: (206) 763-7364 Date: 5/25/93

SITE NO.	PROJECT NAME	PURCHASE ORDER #
4259	Rental Mats	

SAMPLERS (Signature): [signature]

PROJECT LOCATION: Federal Way

REMARKS: Need results on May 26

SAMPLE DISPOSAL INFORM.
- X Dispose after 30 days
- O Return Samples
- O Call for Instructions

SAMPLE #	Date/Time Sampled	Type of Sample	# of Jars	Lab Sample #	Analyses Requested
SW1 -6.0	5/25/93 11:10	Soil	1	40310	~~COMPOSITE~~; WTPH-D
SW3 -6.5	11:45			40311	
SW2 -6.5	13:35			40312	WTPH-D
SW4 -7.0	12:10			40313	WTPH-D
B1 -8.0	11:25			40314	WTPH-D
STP1	12:05			40315	
STP2	12:08			40316	COMPOSITE;
STP3	12:12			40317	WTPH-D

SIGNATURE	PRINT NAME	COMPANY	Date	Time
Relinquished by: [signature]	Paul Riley	Hazcon, Inc.	5/25/93	12:45
Received by: [signature]	C.L. Hicks	F&BI	5-25-93	3:45 PM
Relinquished by:				
Received by:				

APPENDIX E
References

APPENDIX E
REFERENCES

Guidance for Site Checks and Site Assessment for Underground Storage Tanks, Washington State Department of Ecology Underground Storage Tank Program, Revised October, 1992.

Guidance for Remediation of Releases from Underground Storage Tanks, Washington State Department of Ecology Toxics Cleanup Program, July 1991.

The Model Toxics Control Act Cleanup Regulations Chapter 173-340 WAC, February 28, 1991.

Waldron, H.,: Geologic Map of the Poverty Bay Quadrangle (scale 1:24,000), Washington, 1961.

APPLICATION FOR AUTHORIZATION TO USE

Phase I Environmental Site Assessment
40 Rentals
29805 Pacific Highway South
Federal Way, Washington

KLEINFELDER PROJECT NUMBER 60-2081-01

June 13, 2000

TO: Kleinfelder, Inc.
2405 140th Avenue NE, Suite A101
Bellevue, Washington 98005

FROM:

Applicant _____ hereby applies for permission to:
[State here the use(s) contemplated]

for the purpose(s) of:
[State here why you wish to do what is contemplated as set forth above]

Applicant understands and agrees that the above identified report prepared by Kleinfelder, Inc. is the copyright owner and that unauthorized use or copying of the above identified report is strictly prohibited without the express written permission of Kleinfelder, Inc. and Kleinfelder's client. Applicant understands that Kleinfelder, Inc. and/or Kleinfelder's client, may withhold such permission at its sole discretion, or grant such permission upon such terms and conditions as it deems acceptable.

Dated: _____

_____
Applicant

by _____

its _____

Copyright 2000 Kleinfelder, Inc.

HEALTH HAZARD CONTROL SERVICES

HAZCON INC.

UST 006523 NWO628

RECEIVED
SEP 09 1993
DEPT. OF ECOLOGY

EPARTMENT OF ECOLOGY
UNDERGROUND STORAGE TANKS
AUG 26 1993

DEPARTMENT OF ECOLOGY
NWRO/TCP TANK UNIT
INSPECTOR (INIT.) _____ DATE 9/22/93
☐ INTERIM CLEANUP REPORT
☑ SITE CHARACTERIZATION
☑ FINAL CLEANUP REPORT
☐ OTHER
AFFECTED MEDIA: ☑ SOIL ☐ GW
☐ OTHER

Rental Marts
UST Removal Project
Federal Way, Washington

UST Site Assessment

Prepared for:

Janice Dimick
The Bank of California
910 Fourth Avenue
Seattle, Washington 98164

&

O'Sullivan Petroleum Equipment Company
3214 - 16th Avenue SW
Seattle, Washington 98134

July, 26 1993

HAZCON, Inc. Project #4259

HEALTH HAZARD CONTROL SERVICES
HAZCON INC.
4636 E. Marginal Way So. # 215
Seattle, WA 98134
(206) 768-7364

HAZCON INC.
HEALTH HAZARD CONTROL SERVICES

4636 East Marginal Way South, Suite 215 • Seattle, Washington 98134
206.763.7364 • Fax 206.763.4189

July 26, 1993

Janice M. Dimick
Assistant Vice President &
Senior Trust Real Estate Officer
The Bank of California
910 Fourth Avenue
Seattle, Wa 98114

Re: UST Site Assessment and Closure
Rental Marts
12401 Pacific Highway South
Federal Way, Washington

Dear Ms. Dimick:

This letter report presents the findings from the Underground Storage Tank (UST) Site Assessment performed by O'Sullivan Petroleum Equipment Company (OPEC) and Hazcon, Inc., of Seattle, Washington, as part of the removal one 500-gallon diesel fuel UST located at the above referenced property (Figures 1 and 2).

The UST was decommissioned and excavated by O'Sullivan Petroleum Equipment Company (OPEC) of Seattle, Washington. Hazcon, Inc. (Hazcon) performed the UST Site Assessment for the project following Washington State Department of Ecology's (Ecology) Guidelines for Site Checks and Site Assessments for USTs.

The objectives of this project included:

- Removing one 500 gallon diesel fuel UST and associated piping and pump island;
- Determining concentrations of diesel total petroleum hydrocarbons (TPHs) in soil adjacent to and underlying the UST system and associated soil stockpile;
- Comparing concentrations of diesel TPHs detected in soil, if any, to the applicable Washington State Model Toxics Control Act (MTCA) Method A Soil Cleanup Guidelines (WAC 173-340) and Guidance for Remediation of Releases from USTs; and
- Interpreting field and analytical data, documenting field and UST removal activities, making recommendations for additional site characterization (if any), and preparing this report (following Washington State Department of Ecology's Guidance for Site Checks and Site Assessment for USTs).

Location

The Rental Mart is located at 29805 Pacific Highway South, Federal Way, Washington, (Section 4, Township 21 North, Range 4 East) (Figures 1 and 2). The subject property lies approximately one mile southeast of Poverty Bay and seven-tenths mile south of 288th Street, at an elevation of approximately 430 feet above sea level. The area immediately adjacent to the subject property is predominately used for residential or light commercial purposes. The subject property is operated by Rental Marts for equipment rental.

The 500 gallon diesel fuel UST was located approximately 35 feet north of the west end of the Rental Mart facility (Figure 2).

Letter Report Organization

This letter report begins with a Summary of Findings for this project. Following the Summary of Findings is a discussion on project area geology and soil/groundwater conditions. Subsequent sections present other elements of Hazcon's UST Site Assessment investigation (UST history and decommissioning activities, excavation descriptions, soil sampling, laboratory analyses, findings, and conclusions). Figures and Tables accompanying this report follow the main text and are followed by the UST 30-Day Notice of Intent, UST Permanent Closure, and UST Site Assessment Checklists (as filed with Ecology). Supporting technical appendices follow the UST Site Assessment Checklist.

SUMMARY OF FINDINGS

Diesel TPH concentrations detected in soil samples collected within the diesel fuel UST excavation ranged from non-detectable to 140 ppm (below MTCA Method A Soil Cleanup Levels). The TPH concentration (as diesel and lubricating oil) for one representative sample collected from the soil stockpile was 490 ppm (above the MTCA Cleanup Level). The soil stockpile classified as a Class III soil and was disposed of at the permitted Rabanco Landfill (by Rabanco) as a non-hazardous MTCA material.

LOCAL GEOLOGY AND GROUNDWATER

Local Geology

The geology in the vicinity of the subject property is dominated by Upper Pleistocene ground moraine deposits (Waldron, 1961) generally composed of thin ablation till overlying lodgment till (Mullineaux, 1965). Lodgement till is generally a compact, coherent, unsorted mixture of sand, silt, clay, and gravel; commonly termed hardpan. Ablation till is similar, but less compact and coherent. Lodgement till is practically impermeable and relatively difficult to excavate and stable along steep exposures.

Site Geology

Soil within the UST excavation generally consisted of dry gravely sands from the surface to a depth of 2 feet below ground surface (BGS), sandy fine gravel from 2 to 3 feet BGS, and moist gravely sands from 3 feet to at least 8 feet BGS (Photo 1/Appendix A).

Groundwater

Groundwater was not encountered in the UST excavation pit.

UST HISTORY

The 500-gallon diesel fuel UST and pump island dispenser were located 35 feet north of the Rental Marts facility (Figure 2). According to Rental Marts the UST and single pump island dispenser where installed in about 1970. According to records on-file with the Washington State DOE UST Section, this UST was installed before 1965 (personal communication, Roger Nye). The UST was active until being decommissioned on May 21, 1993 (personal communication, Mike Muller, OPEC). The UST system stored diesel fuel #2 during it's tenure and was used to refuel Rental Mart's rental equipment.

The UST system consisted of a single-wall steel tank and associated steel piping. The UST was not anchored nor was it equipped with overfill or cathodic protection. The UST system check valve was located at the pump island dispenser and consisted of suction-type piping. OPEC is unaware of any volumetric tank tightness tests performed on the UST.

The UST was inerted and excavated by OPEC on June 25, 1993. Prior to excavation the UST was triple rinsed and inerted with CO_2 under OPEC's supervision. OPEC removed the UST from the excavation using a tire mounted backhoe. The tank showed minimal signs of rust and corrosion (e.g., pock marks) (Photo 2). OPEC transported the UST to Coastal Tank Inc. of Seattle, Washington for scrap metal (Appendix B).

EXCAVATION SITE DESCRIPTION

The UST was oriented north-south. The removal of the UST, associated piping, and the pump island dispenser (Photo 3) resulted in a single excavation pit (i.e., the pump island and was located above the UST).

OPEC excavated the UST system using a tire mounted backhoe. The UST system excavation pit was 13 feet by 8 feet in plan and had a depth of 8 feet BGS. Approximately 30 cubic yards of excavated soil was stockpiled adjacent to and west of the excavation pit (Figure 2). The soil stockpile was placed on and covered with visquene and bermed. The UST system excavation was surrounded with a chain link fence until site restoration.

SOIL SAMPLING

Soil samples were selected by a Hazcon geologist (registered site assessor with the Washington State Department of Ecology), based on visual and olfactory observations. Hazcon collected a total of eight discrete soil samples from the UST excavation (five samples) and associated soil stockpile (three samples) (Figure 2). The five samples collected from the UST excavation pit included four samples from the excavation pit sidewalls (samples SW1-6.0, SW2-6.5, SW3-6.5, and SW4-7.0) and one from the excavation pit floor (sample B1-8.0). Sidewall samples were collected between 6.0 feet and 7.0 feet BGS. The excavation pit floor sample was collected at 8.0 feet BGS. Groundwater was not encountered the UST excavation pit.

Soil samples from the UST excavation were collected using the backhoe to withdraw soil from the excavation pit. An aliquot of soil was then removed from the center of the backhoe bucket using a stainless steel spoon and transferred to a preconditioned sterilized glass jar (soil sampling protocols, Appendix C). Soil samples collected from the soil stockpile were collected with a hand auger from the approximate soil stockpile center (samples STP1 to STP3). Soil samples were placed in an ice chest and transported to the analytical laboratory. Chain of custody procedures were followed for all samples.

LABORATORY ANALYSES

Soil samples were analyzed for parameters outlined in Ecology's Guidance for Site Checks and Site Assessments for USTs (their Table 6-1. Required and Recommended Analyses for Petroleum Substances). A total of five soil samples (two composite and three discrete soil samples) were analyzed for diesel TPHs by Friedman and Bruya Laboratories, Inc: of Seattle, Washington. Samples SW1-6.0 and SW3-6.5, (collected from the east and south sidewall respectively) were composited together into one sample for analysis (samples were composited together by the laboratory chemist). Samples SW2-6.5, SW4-7.0, and B1-8.0 (west sidewall, north sidewall, pit floor, respectively) were analyzed as discrete soil samples. Soil stockpile samples STP1, STP2, and STP3 were composited together into one sample for analysis.

A full laboratory report and a quality assurance review of the laboratory results are given in Appendix D.

FINDINGS

Composite sidewall sample SW1-6.0/SW3-6.5 had non-detectable diesel TPHs (Table 1). Discrete sidewall samples SW2-6.5 and SW4-7.0 had a diesel TPH concentrations of 80 ppm and 140 ppm, respectively. Soil sample SW4-7.0 was collected from a narrow zone of soil contamination restricted to the northwest corner of the UST excavation (Photo 1). This soil sample was selected with the intent of representing a *worst case scenario* of contaminated soil within this narrow band. Discrete sample B1-8.0 had a diesel TPH concentration of 20 ppm. Soil stockpile composite sample (STP1/STP2/STP3) had a TPH (as a mixture of diesel and lubricating oil) concentration of 490 ppm (see Table 1/Appendix D).

CONCLUSIONS

All soil samples collected from within the UST excavation pit had diesel TPH concentrations below the MTCA Method A Cleanup Guidelines (200 ppm for diesel TPHs). Based on these results, further soil excavation was not required nor recommended. Based on the TPH concentrations detected in the soil stockpile (490 ppm), the soil stockpile designated as a Class III non-hazardous MTCA waste material. According to Ms. Janice Dimick, the petroleum contaminated soil stockpile was subsequently transported by Rabanco and disposed of at Rabanco's permitted landfill facility. The UST system excavation was backfilled with clean fill material to subgrade and finished with asphalt under OPEC supervision.

LIMITATIONS

Work for this project was performed, and this report prepared, in accordance with generally accepted professional practices for the nature and conditions of the work completed in the same or similar localities at the time the work was performed. Hazcon's results and findings from the select areas do not necessarily reflect the soil or groundwater quality underlying other site areas not investigated. This report is not meant to represent a legal opinion. No other warranty, expressed or implied, is made.

Any questions regarding our work and this letter report, the presentation of the information, and the interpretation of the data are welcome and should be referred to the undersigned.

Sincerely,
Hazcon, Inc.

Paul Riley, M.S.
Project Geologist

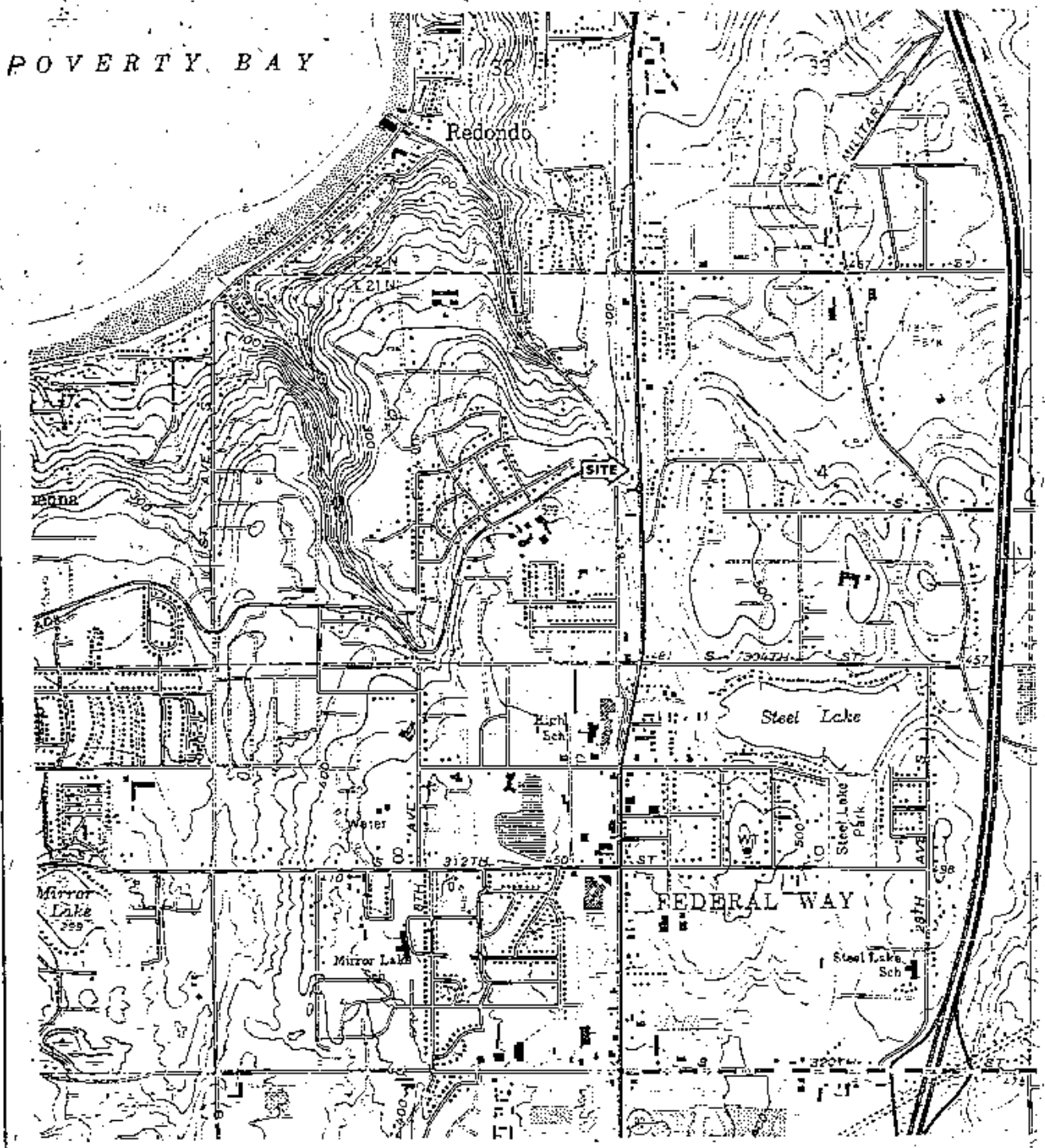
Cynthia Torzynski, M.S.
Staff Geologist
Cynthia Torzynski
Attachments

cc: Mike Muller
O'Sullivan Petroleum Equipment Company
3214 - 16th Avenue SW
Seattle, Wa 98134

John Strub
Federal Way Fire Dept.
31617 - 1st Avenue South
Federal way Washington 98003

Cathy Downs
UST Section
Department of Ecology
P.O. Box 47655
Olympia, Washington 98504-7655

Rental Marts Vicinity Map



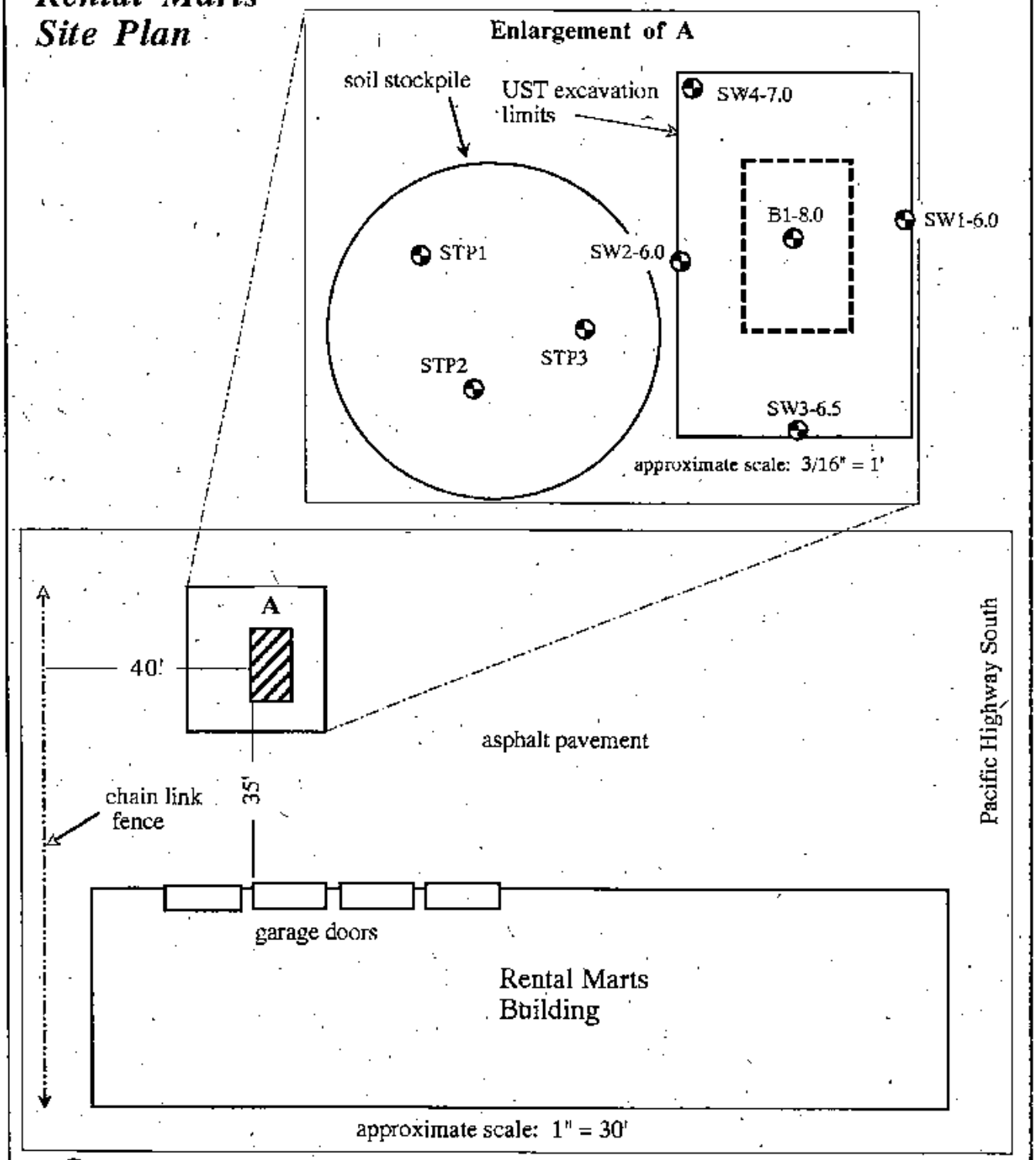
From U.S.G.S. 7.5 MIN. X 15 MIN.
Series Quadrangle
Poverty Bay, Washington
1961

N

Scale: 1: 24 000			Figure 1

HEALTH HAZARD CONTROL SERVICES
HAZCON INC.
4636 E. Marginal Way S.
Suite 215
Seattle, Wa 98134

Rental Marts Site Plan



Soil Sample Location
UST Fill Pipe
Former UST and Associated Pump Island Location
Outline of Former UST

N

Scales as indicated	Date: 7/26/93	Drawn by: PDR	Figure 2

HEALTH HAZARD CONTROL SERVICES
HAZCON INC.
4636 E. Marginal Way S.
Suite 215
Seattle, Wa 98134

Table 1. Summary of Analytical Results for Soil Samples Collected Adjacent to and Underlying the Diesel Fuel UST and Associated Pump Island.

Sample Number	Soil Sample Location	Sample Depth	Sample Date	WTPH-D (ppm)
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B1-8.0 (duplicate)	---	---	---	20
SW1-6.0 & SW3-6.5*	east/south sidewalls	6.0/6.5	6/25/93	<10
SW2-6.5	west sidewall	6.5	6/25/93	80
SW4-7.0	north sidewall	7.0	6/25/93	140
STP1 & STP2 & STP3*	soil stockpile	---	6/25/93	490
MTCA	NA	NA	NA	200

Samples SW1-6.0 & SW3-6.5* collected as two discrete samples and composited together into one sample by the laboratory for analysis.
duplicate, laboratory duplicate analysis.
Sample Depth, given in feet below ground surface.
NA, not applicable.
WTPH-D, Washington State Test Method for diesel range petroleum hydrocarbons.
ppm, parts per million = mg/kg.
MTCA, Model Toxics Control Method A Soil Cleanup Levels (WAC-173-340).

438-7484

8263

UNDERGROUND STORAGE TANK
30 Day Notice of Intent to Close/Decommission Tanks

The purpose of this form is to provide the Department of Ecology with notice of intent to close/decommission an UST. It must be received 30 days prior to the closur[illegible] r of the UST to be closed or his/her authorized repr[illegible] logy will notify the identified person of the earliest da[illegible]

For questions on completing this form pleas[illegible]

Please type or use ink.

The completed checklist should be mailed t[illegible]

Post-it™ brand fax transmittal memo 7671 | # of pages ▸ 0

To	From
Joyce Smith	Darcy Walker
Co. Dept of Ecology	Co. O'Sullivan Petrol[illegible]
Dept. UST Section	Phone # 682-2440
Fax # 438-7484	Fax # 621-8568

DEPARTMENT OF ECOLOGY UNDERGROUND STORAGE TANKS
AUG 26 1993

1. TANK OWNER AND LOCATION

UST Owner/Operator: Bank of California

Owners Mailing Address: 3123 (Street / P.O. Box)

Seattle (City) WA (State) 98114 (ZIP Code)

Telephone: (206) 587-6151

Site ID Number (on invoice or available from Ecology if tank is registered):

Site/Business Name: Rental Mart

Site Address: 29805 Pacific Highway S. (Street) King (County)

Federal Way (City) WA (State) (ZIP Code)

2. TANK PERMANENT CLOSURE TO BE PERFORMED BY (If known):

Firm: O'Sullivan Petroleum Equipment Co.

Address: 3214 16th ave SW. (Street)

Seattle (City) WA (State) 98134 (P.O. Box / ZIP Code)

Telephone: (206) 682-2440 Contact Name: DARCY WALKER

3. TANK INFORMATION

Tank Identification	Approx. Closure Date	Tank Capacity (gallons)	Tank Age (years)	Last Substance Stored
	May 10/93	~~1000~~ 500	20-25	diesel

4. SIGNATURE OF TANK OWNER/OPERATOR OR AUTHORIZED REPRESENTATIVE:

Darcy J. Walker (Signature) Estimator/Project Manager (Title) 4/2/93 (Date)

ECY 104-155 11/90

UNDERGROUND STORAGE TANK
Permanent Closure/Change-In-Service Checklist

NW 006523
U000432

The purpose of this form is to certify the proper closure/change-in-service of underground storage tank (UST) systems. These activities must be conducted in accordance with Chapter 173.360 WAC. Washington State UST rules require the tank owner or operator to notify Ecology in writing 30 days prior to closure or change-in-service of tanks. This must be done by completing the 30 Day Notice form (ECY 010-155).

This Permanent Closure Checklist shall be completed and signed by a Licensed Decommissioning Supervisor. The supervisor shall be on site when all tank permanent closure/change-in-service activities are being conducted. The firm which employs the licensed supervisor shall also be licensed by the Washington State Department of Ecology as a Service Provider. If any of the activities listed below have been supervised by a different licensed supervisor, a separate checklist must be filled out and signed by the licensed supervisor performing those activities.

For further information about completing this form, please contact the Department of Ecology UST Program.

A separate checklist must be completed for each UST system (tank and associated piping), except that UST systems at one site may be reported together by completing page 2 of this form separately for each system. The completed checklist should be mailed to the following address within 30 days of the completion of the closure or change-in-service.

Underground Storage Tank Section
Department of Ecology
Mail Stop PV-11
Olympia, WA 98504-8711

RECEIVED
DEPARTMENT OF ECOLOGY
UNDERGROUND STORAGE TANKS
AUG 26 1993

1. UST SYSTEM OWNER AND LOCATION

Site Owner/Operator: BANK OF CALIFORNIA

Owners Address: PO BOX 3123 (Street / P.O. Box)

SEATTLE, WA 98114 (City / State / ZIP-Code)

Telephone: (206) 587-6151

Site ID Number (on invoice or available from Ecology if tank is registered):

Site/Business Name: RENTAL MART

Site Address: 29805 PACIFIC HIGHWAY S (Street) KING (County)

FEDERAL WAY, WA 98003 (City / State / ZIP-Code)

2. TANK PERMANENT CLOSURE/CHANGE-IN-SERVICE PERFORMED BY:

Firm: O'Sullivan Petroleum Equipment Company License Number: S000036

Address: 3214 16th Avenue S. W. (Street / P.O. Box)

Seattle WA 98134 (City / State / ZIP-Code)

Telephone: (206) 682-2440

Licensed Supervisor: John C. Ra

Decommissioning License Number: W00163

UNDERGROUND STORAGE TANK
Site Check/Site Assessment Checklist

For Office Use Only	
Owner #	
Site #	

INSTRUCTIONS:

When a release has **not** been confirmed and reported, this Site Check/Site Assessment Checklist must be completed and signed by a person registered with Ecology. **The results of the site check or site assessment must be included with this checklist.** This form must be submitted to Ecology at the address shown below within 30 days after completion of the site check/site assessment.

DEPARTMENT OF ECOLOG
UNDERGROUND STORAGE TANKS
AUG 26 1993

SITE INFORMATION: Include the Ecology site ID number if the tanks are registered with Ecology. This number may be found on the tank owner's invoice or tank permit.

TANK INFORMATION: Please list all tanks for which the site check or site assessment is being conducted. Use the owner's tank ID numbers if available, and indicate tank capacity and substance stored.

REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT: Please check the appropriate item.

CHECKLIST: Please initial each item in the appropriate box.

SITE ASSESSOR INFORMATION: This form must be signed by the registered site assessor who is responsible for conducting the site check/site assessment.

Underground Storage Tank Section
Department of Ecology
P. O. Box 47655
Olympia, WA 98504-7655

SITE INFORMATION

Site ID Number (on invoice or available from Ecology if the tanks are registered): _____

Site/Business Name: Rental Marts

Site Address: 29805 Pacific Hwy S (Street) Telephone: (___) _____

Federal Way (City) Washington (State) 98003 (ZIP-Code)

TANK INFORMATION

Tank ID No.	Tank Capacity	Substance Stored
	500 gallons	diesel fuel

REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT

Check one:

- ___ Investigate suspected release due to on-site environmental contamination
- ___ Investigate suspected release due to off-site environmental contamination.
- ___ Extend temporary closure of UST system for more than 12 months.
- ___ UST system undergoing change-in-service.
- ___ UST system permanently closed-in-place.
- ✓ UST system permanently closed with tank removed.
- ___ Abandoned tank containing product.
- ___ Required by Ecology or delegated agency for UST system closed before 12/22/88.
- ___ Other (describe): _____

APPENDIX A
Photographs

Photo 1. View of UST system excavation and characteristic soil types. Notice slight petroleum stained soil located at bottom of UST excavation, northwest corner. Soil sample SW4-7.0 was collected from this narrow zone of petroleum contamination.

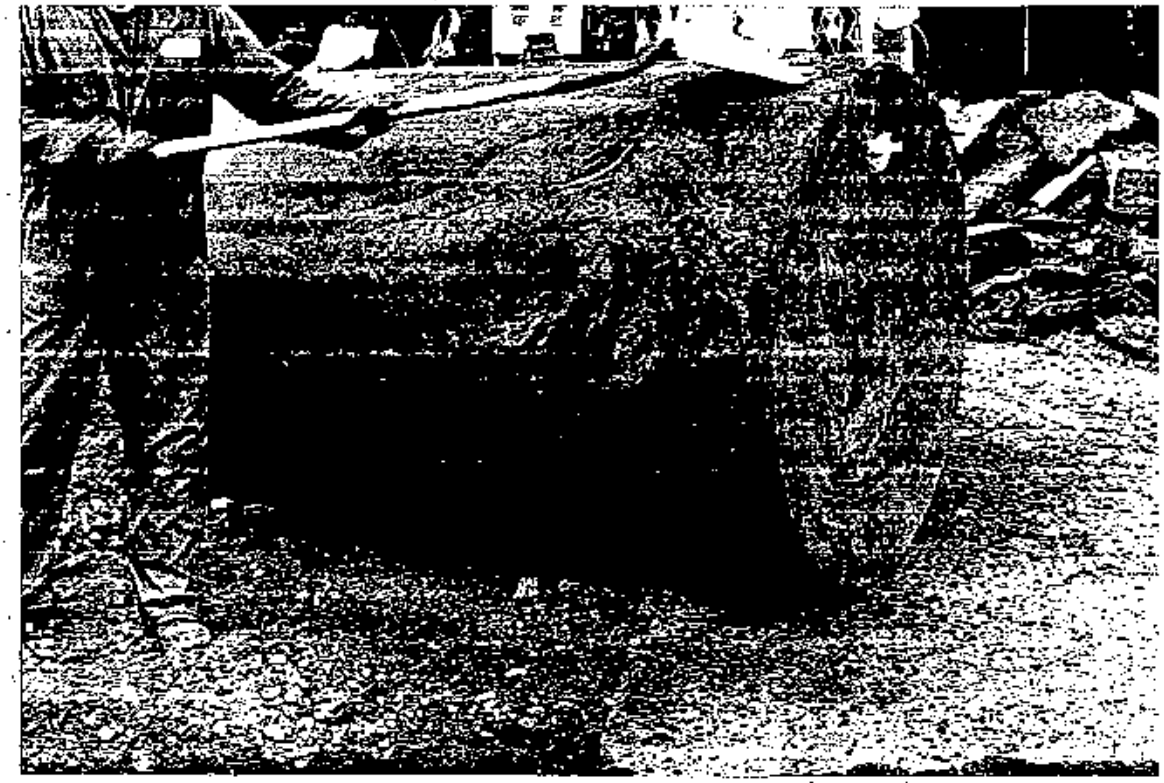

Photo 2. View of 500 gallon diesel fuel UST. Note the presence of minor rust along UST bottom and north end. The rag on north side of UST plugs hole punched by backhoe teeth.

Photo 3. View of decommissioned pump island, formerly used with 500 gallon diesel fuel UST.

APPENDIX B
UST Cleaning and
Disposal Certificate

223-02-CO-AS-TI-202RE

Phone (206) 624-9843
Fax No. (206) 624-9766

Coastal Tank Cleaning, Inc.

3801 7th Avenue South, Seattle, Washington 98108

DISPOSAL CERTIFICATION

DATE: June 15, 1993, 1993

TO: O'Sullivan Petroleum Equipment Co.
3214 16th Ave SW
Seattle, Wa. 98134

JOB SITE : Rental Mart, 29805 Pacific Hwy South, Federal Way

CTC's JOB#: 8429-93

YOUR PO #: 15556

Dear Sirs,

This letter is to certify that Coastal Tank Cleaning, Inc. (CTC) has received the following tank(s) for cleaning and disposal in accordance with all Federal, State and Local rules and regulations:

1: 500 gallon Diesel

DATE RECEIVED: 5-24-93

DATE CLEANED: 5-26-93

DATE DISPOSED: 5-27-93

BILL OF LADING #: 4026

METHOD OF DISPOSAL: Scrap Metal

If you have any questions regarding this matter please feel free to call at (206) 624-9843

Sincerely,

Don Austin
UST DISPOSAL MANAGER

APPENDIX C
Field Exploration & Soil Sampling Protocols

APPENDIX C
FIELD EXPLORATION AND SOIL SAMPLING PROTOCOLS

Soil samples were collected from either the center of the backhoe bucket or the hand auger sampler using a stainless steel spoon. All samples were collected using standard sampling procedures which minimize the risk of sample contamination. Prior to soil sampling, sampling tools were cleaned with a stiff brush and detergent solution consisting of Alconox and warm water, then rinsed with tap water and liberal quantities of distilled, deionized water. The soil samples were collected in 4 ounce borosilicate glass containers with teflon-lined screw caps. Samples were stored in a chilled ice chest and delivered directly to Friedman and Bruya Laboratories, Inc. of Seattle, Washington for analysis. Chain of custody forms accompanied each sample shipment, signed by field personnel, the shipping agency (if used), and the laboratory chemist.

APPENDIX D
Laboratory Report & Quality Assurance Data Review

APPENDIX D
LABORATORY REPORT
& QUALITY ASSURRANCE REVIEW

Analytical results were reported by the laboratory as a net weight value. The results shown in this report were converted to dry weight values by dividing the wet weight results by the percentage of total solids in the soil sample.

Laboratory quality assurance and quality control was performed by analyzing duplicate samples and surrogate recoveries. The duplicate sample results indicate good sampling and analytical precision.

In general, all analytical data were deemed acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Andrew John Friedman
James E. Bruya, Ph.D.
(206) 285-8282

3008-B 16th Avenue West
Seattle, WA 98119
FAX: (206) 283-5044

May 27, 1993

Paul Riley, Project Leader
HAZCON
4636 E. Marginal Way South, Suite 215
Seattle, WA 98134

Dear Mr. Riley:

Enclosed are the results from the testing of material submitted on May 25, 1993 from Project 4259, Rental Marts.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

Amy Gray

Amy M. Gray
Chemist

AMG/dp

Enclosures

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: May 27, 1993
Date Received: May 25, 1993
Project: 4259, Rental Marts
Date Samples Extracted: May 26, 1993
Date Extracts Analyzed: May 26, 1993

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL BY GC/FID (Modified 8015) per Washington DOE Guidelines
Results Reported as µg/g (ppm)

Sample #	Diesel	Internal Standard (% Recovery)
Composite: SW1 - 6.0 SW3 - 6.5	<10	93%
SW2 - 6.5	80	91%
SW4 - 7.0	140	93%
B1 - 8.0	20	90%
Composite: STP1 STP2 STP3	490[id]	93%
Quality Assurance		
Blank	<10	95%
B1 - 8.0 (Duplicate)	20	92%
B1 - 8.0 (Matrix Spike) % Recovery	71%	90%
B1 - 8.0 (Matrix Spike Duplicate) % Recovery	70%	89%
Spike Blank % Recovery	71%	91%
Spike Level	500	

[id] The material present appears to be indicative of a mixture of diesel and a lubricating oil.

FRIEDMAN & BRUYA, INC.
3008 B 76th Avenue West
Seattle, WA 98119

[redacted]

SAMPLE CHAIN OF CUSTODY

Send Report To:
Company Hazcon Inc Contact Paul Riley
Address 4636 E. Marginal Way Suite 215
City, State, Zip Seattle, WA 98134
Phone # (206) 763-7864 Date 5/25/93

SITE NO.	PROJECT NAME	PURCHASE ORDER #
4259	Rental Marts	

SAMPLERS (Signature)

PROJECT LOCATION: Federal Way

REMARKS: Need results on May 26

SAMPLE DISPOSAL INFORM.
- ✓ Dispose after 30 days
- ○ Return Samples
- ○ Call for Instructions

SAMPLE #	Date/Time Sampled	Type of Sample	# of Jars	Lab Sample #	Analyses Requested
SW1 -6.0	5/25/93 11:10	soil	1	40310	~~COMPOSITE~~; WTPH-D
SW3 -6.5	11:45	"	"	40311	
SW2 -6.5	13:35	"	"	40312	WTPH-D
SW4 -7.0	12:10	"	"	40313	WTPH-D
B1 -8.0	11:25	"	"	40314	WTPH-D
STP1	12:05	"	"	40315	
STP2	12:08	"	"	40316	COMPOSITE;
STP3	12:12	"	"	40317	WTPH-D

SIGNATURE	PRINT NAME	COMPANY	Date	Time
Relinquished by:	Paul Riley	Hazcon, Inc.	5/25/93	12:45
Received by:	CL Hecks	F&BI	5-25-93	3:45 PM
Relinquished by:				
Received by:				

APPENDIX E
References

APPENDIX E
REFERENCES

Guidance for Site Checks and Site Assessment for Underground Storage Tanks, Washington State Department of Ecology Underground Storage Tank Program, Revised October, 1992,

Guidance for Remediation of Releases from Underground Storage Tanks, Washington State Department of Ecology Toxics Cleanup Program, July 1991.

The Model Toxics Control Act Cleanup Regulations Chapter 173-340 WAC, February 28, 1991.

Waldron, H.,: Geologic Map of the Poverty Bay Quadrangle (scale 1:24,000), Washington, 1961.

RENTAL MARTS
FEDERAL WAY
TCP/VCP
B/C 0000001003
FS 7222592

NW 0623
1993-2001
29805 PACIFIC HWY S
NFA 5/17/01

RUTH EVANS TRUST

Voluntary Cleanup Program – NWRO

From: Joe Hickey
VCP Coordinator, NWRO
Subject: VCP Cleanup or TA Review

The attached files were submitted for review of an independent remedial action under the Voluntary Cleanup Program. The initial deposit was received. $500.00

SIC:	Non-LUST	**J1C54**	SITE ID NW 0623
	LUST	**J1C59**	**"90-day" screening** date is 10/13/01
	Sediments	**J1J40**	**Site visit is an Initial Investigation:** Yes No
	Site is listed on		____ Confirmed & Suspected Contaminated Sites List (CSCS)
	Site would be listed		____ Hazardous Sites List (HSL)
			✓ LUST database

Please remember to :

1. **Keep track of your time** on a copy of the attached VCP Site Log. An Excel version of this is in t:\tcp\vcp\GEN-VCP\VCP-LOG.xls or can be obtained from Pat Melone. Please remember to **total the "Hours" column and to sign and date all logs. KEEP THE SITE LOG WITH THE FILE. Do NOT** turn them in with your time sheets.

1. **Hold on to final determination letters** ("NFA" or "Further Action Required") until: a) accumulated fees have been collected or b) any Restrictive Covenants have been filed.

2. **Check the "Release Information" on pages 3 & 4 of the *Site Summary* form.** Please check to see that the information entered is a fair approximation of the cleanup. If you make changes or update the data, please use red (green, purple, orange etc) ink so data entry folks can spot any changes quickly.

3. **Complete the Environmental Indicators form** (attached). The PREFERRED ALTERNATIVE is to use the Excel version in t:\tcp\vcp\review\forms\ ENVID.XLS and e-mail it to me. The guidelines for completing the form are in ENV_IND.DOC.

4. **Return entire file to me when done.** Remove all Post-it notes and markers from files. Include **site logs**, a signed copy of the **determination letter** (NFA or Further Action required), a copy of the recorded **restrictive covenant**, and all files. Please **note the date you went on site** by highlighting the date on your site log.

Given the increasing frequency with which independent remedial action sites are the subject of litigation, with Ecology's decisions serving as the basis for some of it, I strongly suggest that you have your determination and correspondence peer-reviewed prior to sending it and that you document the basis of your decision with a brief memorandum to file.

If you have any questions, please call me at 425-649-7023. If you have any suggestions regarding the process or paperwork that you think would make things easier, please let me hear them. Thanks for your help.

WASHINGTON STATE DEPARTMENT OF ECOLOGY
TOXICS CLEANUP PROGRAM

VOLUNTARY CLEANUP PROGRAM SITE LOG

SITE NAME Ruth Evans Trust SITE ID: NW 0623

SIC ☐ Non-LUST J1C54
☒ LUST J1C59
☐ Sediments J1J40

MONTH May YEAR 1999 2001

NAME Sunny Lin Becker CATEGORY _____ RATE/HR $ _____

Date	Hours	Activity Description
5/16	4	Review Rpts
5/17	3	Discussion with consultants, NFA letter, etc
SW		
		ENTERED 9-12-01 SBF
	7	TOTAL

EMPLOYEE'S SIGNATURE Sunny Lin Becker DATE 5/17/01

STATE OF WASHINGTON

DEPARTMENT OF ECOLOGY

Northwest Regional Office, 3190 - 160th Ave S.E. ▪ Bellevue, Washington 98008-5452 • (206) 649-7000

May 17, 2001

Mr. Mark Watts/Ruth Evans Trust
6347 Seaview Ave. NW
Seattle, WA 98107

Dear Mr. Watts:

Re: Independent Remedial Action
Ruth Evans Trust, Federal Way, Washington

Thank you for submitting the results of your independent remedial actions for review by the State of Washington Department of Ecology (Ecology). Ecology appreciates your initiative in pursuing this administrative option under the Model Toxics Control Act (MTCA).

Ecology's Toxics Cleanup Program has reviewed the following information regarding Ruth Evans Trust located at 29805 Pacific Highway South, Federal Way, WA:

1. "Phase I Environmental Site Assessment" by Kleinfelder Inc. dated June 13, 2000
2. "Report of Subsurface Investigation" by ATC Associates Inc. dated February 2, 2001
3. "Underground Storage Tank Site Assessment" by ATC Associates Inc. dated February 16, 2001

Ecology reviewed the information in the reports listed above and had a phone conversation with Mr. Mark Watts on May 17, 2001. Mr. Mark Watts indicated that the seasonal perched groundwater encountered during the excavation appears to be clean without oil sheen. He also indicated that the buried metal auto parts' debris had no evidence of any chemicals, including petroleum, impacts. Therefore, Ecology has determined that, at this time, the release of total petroleum hydrocarbons into the soil from the Underground Storage Tanks no longer poses a threat to human health or the environment.

Therefore, Ecology is issuing this determination that no further remedial action is necessary at this site under MTCA, chapter 70.105D RCW. However, please note that because your actions were not conducted under a consent decree with Ecology, this letter is written pursuant to RCW 70.105D.030(1)(i) and does not constitute a settlement by the state under RCW 70.105D.040(4) and is not binding on Ecology.

Ecology's no further action determination is made only with respect to the release identified in the report listed above. This no further action determination applies only to the area of the property affected by the release identified in the report at 29805 Pacific Highway South, Federal

Way, WA. It does not apply to any other release or potential release at the property, any other areas on the property, nor any other properties owned or operated by Ruth Evans Trust.

Ecology will update its Leaking Underground Storage Tank database to reflect this "No Further Action" determination. Your site will not appear in future publications of the LUST database.

The state, Ecology, and its officers and employees are immune from all liability and no cause of action of any nature may arise from any act or omission in providing this determination.

If you have any questions, please contact Sunny Lin at (425) 649-7187.

Sincerely,

Sunny Lin, P.E.
Toxics Cleanup Program

SL:sl

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
Northwest Regional Office, 3190 - 160th Ave S.E. • Bellevue, Washington 98008-5452 • (206) 649-7000

May 17, 2001

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6347 Seaview Ave. NW
Seattle, WA 98107

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Ecology will update its Leaking Underground Storage Tank database to reflect this "No Further Action" determination. Your site will not appear in future publications of the LUST database.

The state, Ecology, and its officers and employees are immune from all liability and no cause of action of any nature may arise from any act or omission in providing this determination.

If you have any questions, please contact Sunny Lin at (425) 649-7187.

Sincerely,

Sunny Lin, P.E.
Toxics Cleanup Program

SL:sl

90-day 6-13-01

VCP CLEANUP REVIEW FILE CHECKLIST

Facility Site # 44193389

Site Name: Ruth Evans Trust **ERTS:** _____

Address: 29805 Pacific Highway South **LUST Number #:** _____

City/County Federal Way/King **UST Number #:** _____

Reviewer: _____ **VCP Number:** NW 0623

_____ **Draft ERTS form sent to Complaint Tracker** _____ **Completed form Received**

_____ **Central File *OUT CARD* prepared**

_____ **VCP Deposit Paid** _____

XX **Review/Receipt Letter prepared** XX **Sent**

_____ **Site Register Notice** (Rcpt of New Rpts) _____ **Via LUSTbase No New Rpts.** _____

_____ **FS/ISIS/VCP Entered/Updated** **Alt Name** _____

_____ **UST/LUST Tracker** _____ **New Site** _____ **Updated**

_____ **Start date:** _____ **90- day date:** _____

_____ **Completion date:** _____

_____ **Status:** in process completed cancelled

_____ **Review results:** _____ _____ _____

1 = no further action
2 = further cleanup action needed
3 = incomplete report received
4 = interim status letter sent
5 = long-term Monitoring
6 = restrictive covenant

_____ **Additional Information Required**

Monitoring _____

Other _____

_____ **VCP Site Info Updated**

_____ **Site Register Notice - Review Complete**

_____ **UST/LUST Database Update**

_____ ***Forward Entire File to:*** _____ ***ISIS Coordinator update/listing*** _____ ***Central Files***

_____ **Hold pending Fee Balance**

NOTES: _____

Ruth Evans Trust

Ruth Evans Trust
Project Number: NW0623
FS ID: 44193385
Invoice Number: VL01 109-001
Due Date: 6/28/01
Amount Due: $204.00
Fiscal Code: 173-VCP-02-94-005000-5000 30 40

Pd. 6/14/01

ECY 010-72 (5/99) Department of Ecology, P.O. Box 5128, Lacey WA 98509-5128

STATE OF WASHINGTON

DEPARTMENT OF ECOLOGY

Northwest Regional Office • 3190 160th Avenue SE • Bellevue, Washington 98008-5452 • (425) 649-7000

March 21, 2001

Mr. Mark Watts
6347 Seaview Ave. NW
Seattle, WA 98107

Dear Mr. Mark Watts:

Re: Request for Review: Independent Remedial Action
Ruth Evans Trust, 29805 Pacific Highway South, Federal Way, WA 98003

Thank you for submitting the independent remedial action report(s) for this site for Ecology's review. Ecology appreciates your initiative in pursuing a voluntary cleanup under the Model Toxics Control Act.

This is to acknowledge receipt of your *Request* and your $500 deposit. A copy of the *Request* form is enclosed. All correspondence relating to this project should include the site name and a reference to the TCP identification number NW0623 printed on the bottom right-hand corner of this form.

The Department of Ecology (Ecology) will publish a notice in the *Site Register* that we have received the report(s) and of your request for Ecology review of the independent remedial action. The Site Register is a bi-weekly publication regarding sites undergoing cleanup or remedial action throughout the state.

If you have any questions about this letter or the Voluntary Cleanup Program, please do not hesitate to call me at (425) 649-4446.

Sincerely,

Theresa L. Fisher

Theresa L. Fisher
Voluntary Cleanup Program Administrator

TLF: lg
Enclosure

VCP Voluntary Cleanup Program

Washington State - Department of Ecology - Toxics Cleanup Program

Request For Assistance/ Review Form

Have you discussed this site with an Ecology representative in the past? YES
If yes, what is that person's Name? JOE HICKEY
And the approximate date? MARCH, 2001
Is this a leaking underground storage tank site? (includes piping leaks) YES

Please submit the following with this signed form to the appropriate Ecology office (see back of form)

☐ Site Summary (ECY 020-73) ☐ Any other existing reports on this site
☐ A Check or Money Order for $500 made out to "Department of Ecology"

Applicant completes this section: *(Note: The applicant is responsible for all billings)*

Applicant Name: MR. MARK WATTS/ RUTH EVANS TRUST Phone: 206-781-1449
Applicant Address: 6347 SEAVIEW AVE NW
City: SEATTLE State: WA Zip: 98107
Site Name: RUTH EVANS TRUST Alternate Name:
Site Address: 29805 PACIFIC HIGHWAY SOUTH
City: FEDERAL WAY State: WA Zip: 98003 County: KING
Site Owner Name:
Site Owner Address: Phone:
City: State: Zip:

I, MARK WATTS request the assistance of the Department of Ecology. With this Application I have enclosed $500. I understand that: this payment is the equivalent of approximately eight (8) hours of staff review and/or assistance on the cleanup of my contaminated site; actual charges will depend on specific staff and charge-out rates of that staff; if total charges are greater than $500, I will be billed for and I agree to pay the remainder; and any excess payments will be refunded to me.

X Mark Watts
Signature of Applicant Date
Note: The applicant is responsible for all billings.

For Office Use only:

Date: Hours: Rate: Staff Name:
Date: Hours: Rate: Staff Name:
Date: Hours: Rate: Staff Name:
Date: Hours: Rate: Staff Name:

For Office Use only: **Receipts**
Amount $500.00 Date Pd 03/13/01 Rec. # 1

For FISCAL USE ONLY
173-02-94-005000-5000- 30.40
(LUST/Non-LUST) (Office)

LUST/Non-LUST: LUST - 30 Non-LUST - 20
OFFICE: NWRO - 40 SWRO - 50 ERO - 60
CRO - 70 IND - 80 HDQR - 90

FS 44193785

NW 0623

VCP Voluntary Cleanup Program

Washington State - Department of Ecology - Toxics Cleanup Program

Site Summary

This Summary is a required component of your request for assistance under the Voluntary Cleanup Program

Which of the following apply?

- [ ] Requesting assistance on a planned cleanup
- [ ] Requesting assistance on an ongoing cleanup.
- [x] Requesting review of a completed cleanup.

Note: If you submitted your Request for Assistance (ECY 020-74) previously without a Site Summary (this form) or this is a revised Site Summary, Please provide this completed form to Ecology at least five (5) working days prior to the meeting/site visit/documentation review (whichever comes first).

A) Site Identification:

RECEIVED
MAR 06 2001
DEPT. OF ECOLOGY

Name of Site: Ruth Evans Trust

Alternate Name(s) for Site:

Street Address of Site: 29805 Pacific Highway South

City: Federal Way State: WA Zip: 98003

County: King UBI Number:

Mailing Address (if different from above):

City: State: Zip:

Township T21N Range R4E Section 4 Quarter-Quarter NW¼ of SW¼

If Known:

Latitude: Degree Minute Second

Longitude: Degree Minute Second

Method used to calculate Latitude and Longitude:

How large (in acres) is the site? Approximately 1.75 acres.

Please attach two maps to this form.

1) An area map, showing general location of the site in relation to surrounding bodies of water, cities, highways, and streets. (Please mark site location.) See reports.

2) A site diagram showing surrounding cross-streets, labeled building outlines, sampling and well locations, etc. See reports.

B) Person/Organization Making Request for Assistance/Review:

Name: ATC Associates Inc. on behalf of Union Bank of California as Trustee.

Firm: Mr. Mark Watts

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Street Address: 6347 Seaview Ave NW

City: Seattle State: WA Zip: 98107

Telephone Number: 206-781-1449 Extension:

Fax Number: 206-781-1543 e-mail address: watts76@atc-enviro.com

Which best describes your in ement with the site? (Check as many as apply.)

Current Owner ☐ Former Owner ☐ Potential Purchaser ☐
Current Operator ☐ Former Operator ☐ Other (specify) ☐
Environmental Consultant for Union Bank of California as Trustee
Attorney for
Insurance Carrier for
Other (specify) for

C) Release Information:

Date of Release (if known): N/A Date of Discovery: 11/6/00
Drinking Water: Number of Drinking Water Supply Wells within 1/2 mile Unknown
Are there any drinking water systems affected? ☐ yes ☒ no
If yes, has alternate drinking water been provided? ☐ yes ☐ no
If Drinking Water systems are affected, are the systems public, private, or both?
Aquatics: Are there an creeks, streams, ponds, wetlands, or shorelands...
on or adjacent to the site? ☐ yes ☒ no
Within 1/4 mile of the site? ☐ yes ☒ no
Where are they located?
Are they impacted by contamination from the site? ☐ yes ☒ no

General Hazardous Substance Categories: Please complete the chart below. List the contaminants known or suspected at the site prior to cleanup, and mark the appropriate medium (i.e. soil) with: **C** (confirmed and above MTCA); **B** (confirmed but below MTCA); **S** (suspected); N/A (not-applicable); **O** (tested and not present); or **U** (unknown).

Contaminant	Class (for office Use	Affected Soil	Media: Ground-Water	Surface Water	Air	Sediment	Date of Release (if known)
Example: Lead		C	O	S	U	S	1967-82
1) TPH-Ox		C	N/A	N/A	N/A	N/A	prior to 1970
2)							
3)							
4)							
5)							
6)							

D) Report Information of Assessment or Remediation Work Done to Date

Assessment:

Has site assessment work been done at this site? yes ☒ no ☐ In-progress ☐
If yes, when? Were results reported to Ecology? yes ☒ no ☐ Date 3/06/01
Describe: (list reports in "E" below)

Remediation:

Has any site cleanup work been done at the site? yes [x] no [ ] in-progress [ ]
If yes, please continue to answer the remaining questions in this section to the best of your ability.

When was the cleanup work done? 11/3/00 to 12/31/00
Were results reported to Ecology? yes [x] no [ ] date 3/6/01
Describe: (list reports in "E" below)

Does contamination remain on-site after cleanup activities? yes [ ] no [x]
If yes, describe: (list reports in "E" below)

For each contaminant listed in ***Part C) Release Information (above)***, please describe the quantity of the contaminant (in pounds) which was removed or treated as a result of the cleanup activities:

Contaminant	Class (for office Use	Pounds of Contaminant: Incinerated	Washed	Removed	Treated	Contained)
Example: Lead		10	20	40	10	60
1)						
2) PCS		520000		520000		
3)						
4)						
5)						
6)						
7)						
8)						
9)						
10)						
11)						
12)						

PCS= Petroleum Impacted Soil

As a result of the cleanup:
How many acres of land were returned to ***unrestricted*** use? 1.75 Acres
How many acres of land were returned to ***restricted*** use? N/A
How many cubic feet of contaminated soil was remediated or contained? 260 tons of PCS Incinerated.
How many gallons of contaminated soil was remediated or contained? 260 tons of PCS Incinerated.
How many people are now at reduced risk as a result of the cleanup action? Unknown.
How many pounds of potential pollution was prevented as a result of the cleanup action? 25 lbs. (520,000@ 500ppm)

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Methods/Treatments Used	Soil	Groundwater	Surface Water	Drinking Water	Air	Wastes
Method A	X					
Method B						
Method C						
Have these levels been met through the site ? Y or N	Y					
Destruction or Detoxification						
Carbon Adsorption[1]	N/A					N/A
Biological Treatment					N/A	
Chemical Destruction						
Incineration	X	N/A	N/A	N/A		
[1]Carbon followed by regeneration: use of granular activated carbon followed by landfilling would be classified in these tables as volume reduction and off-site landfill						
Media Transfer						
Air stripping/Air Sparging	N/A					N/A
Aeration/Vapor Extraction		N/A	N/A	N/A	N/A	
Thermal Desorption		N/A	N/A	N/A		N/A
Immobilization						
Vitrification		N/A	N/A	N/A		
Solidification/Stabilization		N/A	N/A	N/A		
Reuse/Recycling[2]						
Specify						
[2]For example, reuse of free petroleum product recovered in a pump and treat system.						
Separation/Volume Reduction						
Solvent Extraction		N/A	N/A	N/A		
Soil Washington		N/A	N/A	N/A		
Physical Separation[3]						
[3]For example, oil/water separators.						
Land Disposal/Containment						
Containment or On-site Landfill			N/A			
Off-site Landfill	X	N/A	N/A	N/A		
Institutional Controls						
Specify						
Others						
Specify Treatment Method						

E) Documentation:

Please list titles of all site reports below. Include name of consulting firm and year completed. (If there is not enough room for the entire list, please attach additional page(s) as necessary.)

	Title:	By:	Date
1)	Phase I ESA Vacant Commercial Property-29805 Pacific Hwy S. Federal Way, WA 98003	Kleinfelder	6-13-00
2)	Report of Subsurface Inv. at 29805 Pac. Hwy S. Federal Way	ATC Associates Inc.	2/2/01
3)	UST Site Assessment at the Ruth Evans Trust at 29805 Pacific Hwy S.	ATC Associates Inc.	2/6/01

Is additional information concerning the contaminants treated or removed, or cleanup or remediation methods used available in a data base? yes ☐ no ☒ If yes, what programming software is use?
Is a copy included for our use? yes ☐ no ☐

F) Property Type: Commercial ☒ Industrial ☐ Residential ☐ Other ☐ (Please specify)
Property currently being used? yes ☐ no ☒
Plans for change in use? yes ☒ no ☐ If yes, please specify: Commercial, Retail

G) Standard Industrial Classification (SIC) Codes:

List all that apply. If none apply, or if you don't know your SIC code, list activities conducted at the site (i.e. automotive repair and maintenance, construction equipment storage, etc.).
Former Construction Equipment Storage

H) Dangerous Waste Facilities:

Does the facility have a dangerous waste identification number? yes ☐ no ☒
If yes, what is the number? WAD

I) Tank Information:

Complete this table for ALL tanks, whether underground (UST) or aboveground (AST), including unregulated tanks.
(*Unleaded, leaded diesel, bunker-C, waste oil, heating oil, aviation fuel, other (identify))
(** Tank status: Left in Place, Removed, Closed in Place)

Tank ID	AST/UST	Size	Was Free Product encountered? *Product	On GW	In Excavation	**Tank Status
T1	UST	750 Gal	No	No	No	Removed
T2	UST	750 Gal	No	No	No	Removed
T3	UST	750 Gal	No	No	No	Removed
T1	UST	500	No	No	No	Removed
T2	UST	5000	No	No	No	Removed

J) Owner/Operator History
(Please photocopy and attach copies if additional owners and/or operators are known.)

Type (code) of Owner/Operator (for below):
Private (1) Municipal (2) County (3) Federal (4) State (5) Tribal (6) Mixed (7) Other (8) Unknown (9)
Public Entitle Acquisition via Bankruptcy (11)

1) Current Site Owner: Union Bank of California as Trustee			Type: 1
Street Address: 500 Main Street			
City: Orange	State: CA	ZIP: 92868	
Contact Persons (if different than owner, above): Ms. Cynthia Wagner			
Street Address: Same as above.			
City:	State:	ZIP:	
Telephone Number: 714-565-5635	Extension:		
Fax Number: 714-565-5690	e-mail address: cynthiawagner@UBOC.com		
Dates of Ownership: 1985 to Present			

2) Current Facility Operator: United Rentals Inc. Current Leaseholder			Type: 1
Street Address: P.O. Box 816			
City: Renton	State: WA	ZIP: 98057	
Contact Persons (if different than owner, above): Mr. Lee Forte			
Street Address:			
City:	State:	ZIP:	
Telephone Number: 206-682-4404	Extension:		
Fax Number:	e-mail address:		
Dates of Operation: 1988 to 2000			

3) Former Site Owner: Ruth Evans (deceased)			Type:
Street Address:			
City:	State:	ZIP:	
Contact Persons (if different than owner, above):			
Street Address:			
City:	State:	ZIP:	
Telephone Number:	Extension:		
Fax Number:	e-mail address:		
Dates of Ownership: 1940 to 1985			

4) Former Facility Operator:			Type:
Street Address:			
City:	State:	ZIP:	
Contact Persons (if different than owner, above):			
Street Address:			
City:	State:	ZIP:	
Telephone Number:	Extension:		
Fax Number:	e-mail address:		
Dates of Operation: to			

K) Other Involved Parties:
(Please photocopy and attach copies if additional parties are involved)

1) Environmental Consultant:	ATC Associates - Mark Watts	
Representing:	Union Bank of California as Trustee	
Firm:	ATC Associates Inc.	
Street Address:	6347 Seaview Ave. NW	
City:	Seattle	State: WA ZIP: 98107
Telephone Number:	206-781-1449	Extension:
Fax Number:	206-781-1543	e-mail address: watts76@atc-enviro.com

2) Site Control Person if other than Owner/Operator. (This must be a person who is on-site during normal working hours and is authorized and qualified to answer questions about the site, or a person who is available during normal business hours and has knowledge about the site and the remediations.		
Name:		
Relation to site/owner/operator:		
Firm:		
Street Address:		
City:	State:	ZIP:
Telephone Number:	Extension:	
Fax Number:	e-mail address:	
Dates of involvement with site:	to:	

3) Name:		
Relation to site/owner/operator:		
Firm:		
Street Address:		
City:	State:	ZIP:
Telephone Number:	Extension:	
Fax Number:	e-mail address:	
Dates of involvement with site:	to:	

4) Name:		
Relation to site/owner/operator:		
Firm:		
Street Address:		
City:	State:	ZIP:
Telephone Number:	Extension:	
Fax Number:	e-mail address:	
Dates of involvement with site:	to:	

008504

Printable Version

UST #8509

NETZERO Message Center

From: Jessica Fippen <jessicaf@sme-solutions.com>

To: <raiandtiwana@netzero.com>

Cc: Jeff Stephens <JeffS@sme-solutions.com>

Sent: Thu, Mar 26, 2015 12:11 PM

Subject: Shell @ 29625 Pacific Hwy S Fed Way; Ball Float Verification issue DOE

DOE Tank Tightnes... (310KB)

Good afternoon,

Thank you for your call today.

In regards to the DOE request for verification of ball floats, SME Solutions arrived onsite 03/20/15 and physically verified the presence of ball floats. However, due to the current piping configuration at your site it was not possible to take photos. The technician had to use a mirror on a tank stick and a flashlight to properly view. However, we have updated the attached required DOE Tank Tightness Checklist for all parties involved.

Please let us know if you have any further questions.

Thanks again,

Jessica Fippen
Electrical/Compliance Support
SME Solutions LLC.
Direct: 253.620.1586
24/7 Service Line: 866.205.7777
Email: jessicaf@sme-solutions.com

Please make note of the new address for our Tacoma branch!!
SME Solutions LLC.
10107 South Tacoma Way
Suite A-2
Lakewood WA 98499

[This email including any attachments is confidential and may contain legally privileged information. It is for use only by the intended recipient for the purpose of which it is sent.
If you are not the addressee you are hereby notified that any disclosure, copying, distributing or taking any action in reliance on the contents of this information is strictly prohibited and may be unlawful. If you have received this email in error please notify the sender immediately and delete it and all copies from your system. Internet communications cannot be guaranteed to be timely, secure, error or virus free. The sender does not accept liability for any errors or omissions in this email. If you have received this email in error, please contact the sender immediately by return mail or telephone and delete/destroy the message.]

Checklist Instructions

After completing these checklist(s), return to: **Underground Storage Tank Section**
Department of Ecology
P.O. Box 47655
Olympia, WA 98504-7655

Please Read Carefully

Checklist(s) are to be completed by a Certified UST Supervisor and submitted to Ecology within 30 days of the tank work being performed.

On each checklist, complete the Site ID number and/or the UBI number, site address and site city on each page. Submit the cover sheet that contains the site and owner information with the checklist. The checklist should show all tank information that was worked on. Be sure that the Owner or the Authorized Representative AND Certified Supervisor sign the appropriate checklist.

The Owner/Operator is responsible for ensuring that the work is performed and that the checklist(s) are submitted to Ecology.

Cover Sheet

Site and Owner Information
Fill in the site and owner information. Include the Ecology Site ID number, if known, and/or UBI number (Uniform Business Identification) from the master business license. Also be sure to provide telephone numbers so that any problems can be resolved quickly.

Firm and Certified Supervisor Information
List the firm performing the work as well as the Certified Supervisor's name and Certification Number. Ask to see the Supervisor's Tightness Testing ICBO Certification and make sure that the Supervisor signs the appropriate checklist for work performed.

Please Note:	**Individuals performing services MUST be certified by the International Code of Building Officials (ICBO), or other recognized association by which they demonstrate appropriate knowledge pertaining to USTs or have passed another qualifying exam approved by the Department.**

Checklists

The **Tightness Testing Checklist** shall be completed and signed by a Certified Tightness Testing Supervisor. The supervisor shall be on site during all tank tightness testing activities. Up to four tanks per site may be reported on a single checklist; additional tanks will require additional checklists. A Tightness Testing Checklist must be completed for each UST system (tank and associated piping) being tested as well as **following most retrofit/repairs.**

The tank owner or operator* must *report* a failed tightness test as *a suspected release* to UST staff *at the appropriate Ecology regional office within 24 hours.

Northwest	Southwest	Central	Eastern
(425) 649-7000	(360) 407-6300	(509) 574-2490	(509) 329-3400

White Copy (Ecology), Yellow Copy (Owner/Operator), Pink Copy (Service Provider)

DEPARTMENT OF ECOLOGY
State of Washington

Underground Storage Tank Tightness Testing Checklist

The attached Underground Storage Tank (UST) checklist is required for activity listed above. This checklist certifies that the Tightness Testing activities are performed and conducted in accordance with Chapter 173-360 WAC.

See back of form for instructions.

1. UST SYSTEM LOCATION AND OWNER

UBI Number: 602-597-602 (UBI # from Master Business License)

Site ID Number: 8504 (Available from Ecology if tank is Registered)

Site/Business Name: Shell Mini Mart

Site Address: 29625 Pacific Hwy S (Street) King (County)

Federal Way, WA (City, State) 98003 (Zip+4 (required))

Telephone:

UST Owner/Operator: same as above

Mailing Address: (Street) (P.O. Box)

(City, State) (Zip+4 (required))

Telephone:

2. FIRM PERFORMING WORK

Service Company: SME Solutions, LLC

Service Co. Address: 10107 S. Tacoma Way-Suite A-2 (Street)

Lakewood, WA. (City, State) 98499 (Zip+4 (required))

Certified Supervisor: Mark Spandler

Address: Same as above (Street) (P.O. Box)

(City, State) (Zip+4 (required))

ICBO Certification Number: 8245831 Certification Issue Date (Month/Year): 04/16

Telephone: 253-572-3822

Ecology is an equal opportunity employer.
If you require special accommodations or need this document in an alternate format, please contact the Toxics Cleanup Program at (360) 407-7170. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call (877) 833-6341.

Site ID # 8504
Site Address 29625 Pacific Hwy S
City Federal Way, WA

Underground Storage Tank

Tightness Testing Checklist

For more than four UST systems, you may photocopy this form prior to completing.

Date of Test: 01/12/15

I. TIGHTNESS TESTING METHOD

1. Tightness testing method(s) used (indicate if more than one method was used):
   Test method name/version: Petro-Tite
   Test method manufacturer: Health Consultants

Note: A tank must be tested up to the product level limited by the overfill prevention device. If an overfill prevention device is not installed, a tank must be tested up to the 95% full level. When underfill volumetric testing methods are used, the tank must be (1) filled with product to the 95% full level or (2) the portion of the tank above the product level must be tested using a nonvolumetric method which meets performance standards for tightness testing.

2. Indicate the method used to determine if groundwater was present above the bottom of the tank during the test (required for single wall tanks): N/A

3. Method used for release detection:
   - ☐ Weekly manual gauging
   - ☐ Daily manual inventory control
   - ☐ Automatic tank gauging (ATG)
   - ☐ Interstitial monitoring
   - ☑ Other (describe) CSLD

4. Reason for conducting tightness test:
   - ☑ Required for release detection requirement
   - ☐ Bring temporarily closed tanks back into service
   - ☐ Tank or piping repair
   - ☐ Other (describe)

5. Type of test conducted:
   - ☐ Tank tightness test only
   - ☐ Line tightness test only
   - ☐ Total system test (tank and lines tested together)
   - ☑ Line leak detector test

6. Test method type:
   - ☐ Overfill volumetric
   - ☐ Underfill volumetric
   - ☐ Nonvolumetric
   - ☑ Volumetric

II. TEST METHOD CHECKLIST

The following items shall be initialed by the Certified Supervisor whose signature appears on this form.

	Yes	No	NA*
1. Has the tightness testing method used been demonstrated to meet the performance standard specified in the UST rules for the conditions under which the test was conducted? (e.g., detecting a 0.10 gallon per hour leak rate with probability of detection of at least 95% and a probability of false alarm of no more than 5%).	MS		
2. Have all written testing procedures developed by the manufacturer of the testing equipment and method been followed while the test was being set up and conducted?	MS		
3. Was the product level in the tank during the test within the limitations of the test methods performance standards?	MS		
4. If groundwater was present above the bottom of the tank, have the testing procedures accounted for its presence? (required for single wall tanks)			MS
5. If the tightness test is considered a failed test, has the owner/operator been notified of the test results? (Note: Tank owner must report a failed tightness test as a suspected release within 24 hours to UST staff at the appropriate Ecology regional office.)			MS

* Item not applicable

White Copy (Ecology), Yellow Copy (Owner/Operator), Pink Copy (Service Provider)

Site ID # 8504
Site Address 29625 Pacific Hwy S
City Federal Way, WA

Tightness Testing Checklist (continued)

III. TANK INFORMATION CHECKLIST

	Tank 1	Tank 2	Tank 3	Tank 4
1. Tank ID # (tank name registered with Ecology)	5	7	6	7
2. Date installed	07/01/1995	07/01/1995	07/01/1995	07/01/1995
3. Tank capacity in gallons	12000	4000	10000	8000
4. Last substance stored	Unleaded-Master	Unleaded-Syphon	Premium	Diesel
5. Number of tank compartments	1	2	1	2
6. Tank type: (S) single wall; (D) double wall; (P) partitioned	Double Wall	Double Wall	Double Wall	Double Wall
7. Is overfill device present? (Yes/No)	Ball Float	Ball Float	Ball Float	Ball Float
8. Percentage of product in tank during test? (Volume % must comply with test method certification requirements)	N/A	N/A	N/A	N/A
9. The test method used can detect a leak of how many GPH?	N/A	N/A	N/A	N/A
10. The numerical tank test results are? (in gallons per hour)	N/A	N/A	N/A	N/A
11. Based on evaluating test results and conducting any retesting as necessary as per test protocol to obtain conclusive test results; the test results are? (Pass/Fail)*	N/A	N/A	N/A	N/A

IV. Line Information

	Line 1	Line 2	Line 3	Line 4
1. Piping type: (S) single wall; (D) double wall	Double Wall	Double Wall	Double Wall	Double Wall
2. Pump type: (T) turbine; (S) suction	Turbine	Turbine	Turbine	Turbine
3. (a) If turbine, is line leak detector present? (Yes/No)	YES	YES	YES	YES
(1) If present, was lead seal intact? (Yes/No N/A)	N/A	N/A	N/A	N/A
(2) Line leak detector results? (Pass/Fail)	PASS	PASS	PASS	PASS
(b) If suction, check valve located at? (T) tank (P) pump	N/A	N/A	N/A	N/A
4. The numerical line test results are? (in gallons per hour)				
5. Line tightness test results? (Pass/Fail)*	N/A	N/A	N/A	N/A

* Inconclusive test results for tanks or piping will not be considered as a valid tightness test for the purposes of complying with UST release detection regulations.

V. REQUIRED SIGNATURES

I hereby attest, that I have been the Certified Supervisor present during the above listed testing activities, and to the best of my knowledge they have been conducted in compliance with all applicable state and federal laws, regulations and procedures, pertaining to underground storage tanks.

Persons submitting false information are subject to formal enforcement and/or penalties under Chapter 173.360 W.A.C.

Date	Signature of Certified Supervisor	Printed Name
01/12/15	Digitally signed by Mark Spandler	Mark Spandler
Date	Signature of Tank Owner/Authorized Representative	Printed Name

EMERGENCY

IN CASE OF FIRE, SPILL OR RELEASE

- Use Emergency Shut-Off

-Call The Fire Dept. Or Call 911

-Call The Facility Operator At (253) 941-1611

Shell Mini Mart

29625 Pacific HWY S

Federal Way ,WA 98003

(Fire Extinguisher Located Inside Building ~~And fuel island's~~)

04/03/2015 13:56 12539410707 SHELL MINI MART PAGE 01/01

UST ID # 9504

VIOL. #	OBSERVATIONS & ACTIONS REQUIRED TO RESOLVE UST VIOLATIONS	DUE DATE
19	Submit Proof that emergency signage is visible from fill ports and dispensers.	4-5-15
22	Submit Proof of the type of overfill method used. Overfill alarm listed as means of overfill prevention. Could not find an overfill alarm on site. Previous tester listed prevention method as Ball floats. If ball floats are used Submit 4 Pictures of ball floats and have testing Paperwork corrected to reflect change.	4-5-15

INSTRUCTIONS:

1. You must complete the actions identified to resolve the UST violations listed on page 1.
2. To request an extension, **submit a written request** to the Ecology inspector by 4-5-15
   You must include:
   - Reason extension is needed.
   - Steps already taken and a description of the work that remains to be completed.
   - Anticipated completion date of remaining work.

- A notice of Non-Compliance (NONC) is not an enforcement order and, therefore, **not appealable**.
- If a Field Penalty or Notice of Delivery Prohibition accompanies an NONC, **the Field Penalty and/or Notice of Delivery Prohibition are appealable**.
- Failure to comply with requirements set forth in an NONC may result in enforcement action.

SUBMIT REQUIRED DOCUMENTATION TO THE REGIONAL OFFICE INDICATED.

Central Regional Office	Eastern Regional Office	NW Regional Office	SW Regional Office	Headquarters
15 W Yakima Ave, Ste 200	4601 N Monroe St	3190 160 Ave SE	PO Box 47775	PO Box 47600
Yakima, WA 98902	Spokane, WA 98205	Bellevue, WA 98008	Olympia, WA 98504	Olympia, WA 98504
Phone: (509) 575-2490	Phone: (509) 329-3400	Phone: (425) 649-7000	Phone: (360) 407-6300	Phone: (360) 407-7170
Fax: (509 575-2809	Fax: (509) 329-3572	Fax: (425) 649-7161	Fax: (360) 407-6305	Fax: (360) 407-7154

Inspector: Mark Willoughby Phone: 425 649 7103 Email: mark.willoughby@ecy.wa.gov

I personally investigated or observed the violation(s) noted above.	I acknowledge receipt of this action. My signature does not imply agreement.
Mark Willoughby 3-2-15	Manjinder Singh 3/4/15
Signature of UST Inspector *Date*	*Signature of Responsible Party or Site Contact* *Date*
Mark Willoughby	MANJINDER SINGH
Printed Name of UST Inspector	*Printed Name of Responsible Party or Site Contact*

If you need this document in an alternative format call the Toxics Cleanup Program at (360) 407-7170. Persons with hearing loss, call 711 for Washington Relay Service. Persons with a speech disability, call 877-833-6341.

Washington State Department of Ecology
Underground Storage Tank (UST) Program

NOTICE OF NON-COMPLIANCE

This action does not limit the Department from other enforcement actions as deemed necessary.

UST ID #: 4504 Date of Inspection: 3-5-15 Region: NWR

Responsible Party: Manjinder Singh

Site Name: Shell Mini Mart Contact Name: Manjinder Singh

Site Address: 39625 Pacific Hwy S Contact Phone: 253 941 1611

City: Federal Way, WA 98003 Contact E-mail: Raiandhiwana@hotmail.com

☐ Notice of Penalty Issued #, ☐ Notice of Delivery Prohibition Issued #

VIOL. #		WAC 173-360	VIOLATION(S)
1	☐	130(2)(d), 190	Regulated UST without a displayed facility compliance tag and/or tank endorsement on Business License
2	☐	165	Failure to comply with delivery prohibition/red tag requirements
3	☐	200(6)	Failure to report changes to UST system within 30 days, including temporary closure
4	☐	210(2)	Failure of owner/operator to keep and maintain necessary records and/or documentation
5	☐	210(3)	Failure of owner/operator to have necessary records and/or documentation available at time of inspection
6	☐	305(2), 310(3)	Failure to protect steel tanks and/or piping from corrosion (i.e. steel in contact with soil)
7	☐	305(3), 310(4)	Failure to provide and/or maintain spill and/or overfill prevention equipment
8	☐	320(1)	Failure to operate and maintain corrosion protection system
9	☐	320(2)(a)	Failure to test cathodic protection (CP) system with required frequency
10	☐	320(3)	Failure to inspect impressed current (CP) system every 60 days and ensure equipment is running properly
11	☐	335(1)(b)	Failure to install, calibrate, operate, or maintain release detection method per manufacturer's instructions
12	☐	335(2), 345(6)	Failure to properly monitor tanks and/or piping for releases
13	☐	350(2)(a)(i)	Failure to equip pressurized piping with automatic line leak detectors
14	☐	350(2)(a)(ii)	Failure to conduct annual line tightness test or monthly monitoring on pressurized piping
15	☐	350(3)(a)	Failure to meet automatic line leak detector requirements, including annual testing
16	☐	350(2)(b)	Failure to conduct line tightness test or monthly monitoring on suction piping
17	☐	380	Failure to meet temporary closure requirements for UST systems
18	☐	400	Failure to comply with financial responsibility requirements
19	☒	700-760	Failure to comply with operator training requirements
20	☐	800-820	Failure to comply with secondary containment, including interstitial monitoring for tanks and lines
21	☐	830	Failure to comply with under dispenser containment requirements
22	☒	other	Verify Overfill Prevention
23	☐		
24	☐		

8504

SHELL MINI MART
29625 PACIFIC HWY S
FEDERAL WAY, WA
253-941-1611

MAR 5, 2015 10:55 AM

SOLD TEST RESULTS

MAR 5, 2015 10:55 AM

T 1:UNLEADED MASTER
T 2:UNLEADED SYPHON
PROBE SERIAL NUM 237276

0.2 GAL/HR TEST
PER: MAR 5, 2015 PASS

T 3:PREMIUM
PROBE SERIAL NUM 271530

0.2 GAL/HR TEST
PER: MAR 5, 2015 PASS

T 4:DIESEL
PROBE SERIAL NUM 243007

0.2 GAL/HR TEST
PER: MAR 5, 2015 PASS

* * * * * END * * * * *

SHELL MINI MART
29625 PACIFIC HWY S
FEDERAL WAY, WA
253-941-1611

MAR 5, 2015 10:55 AM

LIQUID STATUS

MAR 5, 2015 10:55 AM

L 1:UNLEADED MASTER
SENSOR NORMAL

L 2:PREMIUM
SENSOR NORMAL

L 3:DIESEL
SENSOR NORMAL

* * * * * END * * * * *

ST#8504

SHELL MINI MART
29625 PACIFIC HWY S
FEDERAL WAY, WA
253-941-1611

MAR 5, 2015 10:55 AM

SYSTEM STATUS REPORT

ALL POSITIONS NORMAL

SHELL MINI MART
29625 PACIFIC HWY S
FEDERAL WAY, WA
253-941-1611

MAR 5, 2015 10:55 AM

SYSTEM STATUS REPORT

ALL POSITIONS NORMAL

INVENTORY REPORT

T 1:UNLEADED MASTER
VOLUME = 5453 GALS
ULLAGE = 6579 GALS
90% ULLAGE= 5975 GALS
TC VOLUME = 5450 GALS
HEIGHT = 44.47 INCHES
WATER VOL = 19 GALS
WATER = 0.94 INCHES
TEMP = 50.1 DEG F

T 2:UNLEADED SYPHON
VOLUME = 1807 GALS
ULLAGE = 2203 GALS
90% ULLAGE= 1802 GALS
TC VOLUME = 1816 GALS
HEIGHT = 44.27 INCHES
WATER VOL = 3 GALS
WATER = 0.66 INCHES
TEMP = 52.8 DEG F

T 3:PREMIUM
VOLUME = 2645 GALS
ULLAGE = 7507 GALS
90% ULLAGE= 6491 GALS
TC VOLUME = 2661 GALS
HEIGHT = 29.48 INCHES
WATER VOL = 16 GALS
WATER = 0.94 INCHES
TEMP = 51.4 DEG F

T 4:DIESEL
VOLUME = 2567 GALS
ULLAGE = 5459 GALS
90% ULLAGE= 4656 GALS
TC VOLUME = 2568 GALS
HEIGHT = 34.19 INCHES
WATER VOL = 0 GALS
WATER = 0.00 INCHES
TEMP = 52.3 DEG F

MANIFOLDED TANKS
INVENTORY TOTALS
T 1:UNLEADED MASTER
T 2:UNLEADED SYPHON
VOLUME = 7259 GALS
TC VOLUME = 7206 GALS

* * * * * END * * * * *

DEPARTMENT OF ECOLOGY
State of Washington

INSPECTION CHECKLIST
FOR UNDERGROUND STORAGE TANK SITES

UST ID #: 8504
County: King

INSPECTION DATE: 3-5-15 TIME: 1000 INSPECTOR: Mark Willoughby

INSPECTION TYPE: ☒ COMPLIANCE ☐ TECHNICAL ASSISTANCE (FULL SOC) ☐ OTHER

UST FACILITY		OWNER/OPERATOR CONTACT	
Site Name:	Shell Mini Mart	Company Name:	Rajwant Tiwana LLC
Site Address:	29675 Pacific Hwy S	Mailing Address:	13114 SE 216th Way
City:	Federal Way WA 98003	City:	Kent State: WA Zip: 98031
Site Phone:	253 941 1611	Site Contact:	Manjinder Singh
Latitude:	N 47.46094° +/- 98.9m	Contact Phone:	253 941 1611
Longitude:	W 122.26410°	Email:	RajanDtiwana@Netzero.com

COMMENTS: will call back to give on E-mail

I. RECORDS REVIEW

A. General Documents — Compliant? Y N NA

1. Fuel Distributor: Sun Pacific Phone #: 253 857 7666 Last Del. Date: 3-3-15
2. BL: UBI #: 602 527 607 EXP. DATE: 8-31-15 # TANKS: 3 -130(1), -190 ☒ ☐ ☐
3. FR in compliance: ☒ INSUR. CO. ☐ SELF-INSUR. ☐ STATE/FED Part IV ☐ ☐ ☐
   INSUR. CO. NAME: Colony EXP. DATE: 11-2-15 # TANKS: 3
4. Class A, B, and C operator compliant: -700 to -760 ☒ ☐ ☐
   A/B: Manjinder Singh CERT. DATE: 11-25-12 VENDOR: APZ Worksite
   C: Sarabjit Singh CERT. DATE: 12-5-12 TRAINER: Manjinder Singh

COMMENTS:

B. Corrosion Protection Records — Compliant? Y N NA

5. Last CP test surveyed the following steel components in contact with soil and had passing results: ☐ ☐ ☒
   # TANKS ____ # LINES ____ # SFC AT TANK ____ # SFC AT NON-TANK END ____
6. CP test frequency in compliance: LAST TWO TEST DATES: ____ ____ -320(2)(a) ☐ ☐ ☒
7. Int. Lining inspection meets 10 and 5 yr. inspection freq. and has passing results: -310(2)(a)(ii) ☐ ☐ ☒
   INT. LINING INSTALL DATE: ____ INT. LINING INSPECTION DATE: ____

COMMENTS:

C. Rectifier for Impressed Current System — Compliant? Y N NA

8. Inspected every 60 days and appears to be operating continuously: -320(1), -320(3) ☐ ☐ ☒
9. Amp/Volt readings within rec. ranges: VOLTS RANGE: ____ AMPS RANGE: ____ -320(3) ☐ ☐ ☒
   Readings: VOLT: ____ AMP: ____ COURSE: ____ FINE: ____
   METER/CLOCK: ____ MODEL: ____ INSTALL DATE: ____

COMMENTS:

D. Tank Release Detection Records		Compliant? Y	N	NA
10. Tank RD method used:	☒ ATG CSLD ☐ IM ☐ SIR ☐ TANK GAUGING ☐ CITLDS ☐ OTHER			
11. Tank RD compliant:	# TANKS 4 # 12 OF LAST 12 # 2 OF LAST 2 -335(2)(a), -355(1)	☒	☐	☐
12. RD method is compliant with 3rd party cert. (ex. size, throughput, manifold):	-335(1)(b), -345(6)	☐	☐	☐
13. **ATG** model: TCS-350	☐ TANK SIZE & PRODUCT MATCH UST BASE			
14. **ATG** is NOT in alarm:	IF NO, LIST ALARMS: -335(1)(b)	☒	☐	☐
15. Is the **ATG**, printer, and/or modem operational and working per mfgr. specs?	-335(1)(b)	☒	☐	☐
16. **If using overfill alarm,** alarm is set at 90% for all tanks and audible to fuel delivery driver:	-305(3)(a)(ii)(B)	☐	☐	☐
17. **IM** method/sensors tested and operating per mfr. instr.	# TESTED: ____ DATE: ____ -335(1)(b)	☐	☐	☒
18. **SIR** Vendor ____ in compliance with 15 day reporting req.	-345(6)(i)	☐	☐	☒
19. **Inv. Control** uses: ☐ DAILY ☐ WEEKLY ☐ MONTHLY LAST TTT: ____	-345(6)(a), (b), (c)	☐	☐	☒
20. DW and IM, if installed after 10/1/12:	-800 to -820	☐	☐	☒

COMMENTS:

E. Line Release Detection Records		Compliant? Y	N	NA
21. Piping pumping method:	☒ PRESSURIZED ☐ NON-SAFE SUCTION ☐ SAFE SUCTION			
Pressurized Systems only				
22. **If pressurized,** ALLD test compliant: LAST TWO ALLD TEST DATES: 1/12/15 1-10-14 # ALLDS TESTED: 3	-350(3)(a)	☒	☐	☐
23. **If pressurized,** secondary RD method used: ☐ LTT ☒ IM ☐ SIR ☐ 0.2 GPH ELEC. ALLD ☐ CITLDS ☐ OTHER ____				
OR LAST TWO LT TESTS: ____ ____ # LINES TESTED: ____	-350(2)(a)(ii)	☐	☐	☒
OR MONTHLY RD COMPLIANT: # LINES 3 # 12 OF LAST 12 # 2 OF LAST 2	-350(2)(a)(ii)	☒	☐	☐
Non-Safe Suction Systems only				
24. **If non-safe suction,** line RD method used: ☐ LTT ☐ IM ☐ SIR ☐ OTHER ____				
OR LAST TWO LT TESTS: ____ ____ # LINES TESTED: ____	-350(3)(c)	☐	☐	☒
OR MONTHLY RD COMPLIANT: # LINES ____ # ____ OF LAST 12 # ____ OF LAST 2	-350(2)(b)	☐	☐	☒
Additional Information				
25. IM method tested and operating per mfr. instr.: # TESTED: 3 DATE: 1-12-15	-350(3)(c)	☒	☐	☐
26. DW and IM, if installed after 10/1/12:	-800 to -820	☐	☐	☒

COMMENTS:

last test in ISIS: 2-7-11 ⇒ 3 ALLDs

II. UST Equipment Observations

A. Manhole Above Tank — Compliant? Y N NA

27. Tag visible to distributor or at ESO: TAG #: A3797 — RCW 90.76.020(5)(a) — ☒ ☐ ☐

TANK/COMPARTMENT (BY NAME, PRODUCT, SIZE, ETC.):	T2	T1	T3	T4
28. Tank capacity:	4K	12K	10K	8K
29. Product stored:	UL	UL	Premium	Diesel
30. Manifolded (main/aux) or compartmentalized:	Aux	Tank	T3M	T4M
31. Tank material based on **records**: Steel Clad w/ FRP →				
32. Tank material **observed**: STEEL / DIEL. COATED STEEL / FRP / STEEL CLAD W/ CORR. RESIS. COMP. / DW / SW	Real Composite			
33. Piping material based on **records**: FRP, DW →				
34. Piping material **observed**: FLEX / STEEL / (FRP) / DW (SW)	✓	✓	✓	✓
35. Turbine ALLDs installed: (MECH. / ELEC.) -350(2)(a)(i)	NA	✓	✓	✓
36. If IM, DW pipe open; sensor, piping slope and sump penetrations appear correct: -335(1); -345(6)(h); 820(3)(a)(ii)	NA	✓	✓	✓
37. Turbine sumps are free of liquid: -335(1)(b)	✓	✓	✓	✓
38. If direct bury or fuel in sump, charged turbine has NO obvious leaks: -370(1)(c)	NA	NA	NA	NA
39. SFC/piping at tank is protected from corrosion: -305(2)(d)	Sump	Sump	Sump	Sump

☒ SUMP ☐ BOOTED ☐ ANODES ☐ IMP CURRENT ☐ NO SOIL CONTACT

T2 & T4 Compartmentalized

40. UST system compatible with product stored: -323 — ☒ ☐ ☐

COMMENTS: T1 is Syphoned with UL Tank of T2

B. Spill/Overfill Equipment — Compliant? Y (N) NA

41. Spill bucket properly installed and NO obvious cracks: # 1111 -305(3)(a)(i) — ☒ ☐ ☐
42. Overfill **auto-shutoff device** is NOT tampered with: # ____ -305(3)(a)(ii)(A) — ☐ ☐ ☐
43. Overfill **alarm** compliant: ? -305(3)(a)(ii)(B) — ☐ ☐ ☐
44. Overfill **ball-float** device present: # ____ ☐ OBSERVED ☐ IN RECORDS DATED -305(3)(a)(ii)(C) — ☐ ☐ ☐

COMMENTS: Did not observe any alarm on site. Need Verification of Overfill method. Test Slow Alarm but there is no alarm on Building

C. Dispenser/Aboveground Equipment — Compliant? Y N NA

DISPENSER/SATELLITE NUMBER(S):	1-2	3-4	5-6-7-8			
45. Pipe material **observed**: FLEX / STEEL / (FRP) / DW / SW	✓	✓	✓	✓		
46. Disp. sumps are free of liquid: -335(1)(b)	✓	✓	✓	✓		
47. SFC/piping at disp. is protected from corrosion: -305(2)(d)	Sump	Sump	Sump	Sump		

☐ SUMP ☐ BOOTED ☐ ANODES ☐ IMP CURRENT ☐ NO SOIL CONTACT

48. Safe suction verified and meets criteria: ☐ OBSERVED ☐ IN RECORDS DATED ____ -350(2)(b) — ☐ ☐ ☒
49. Emergency sign(s) visible from dispensers and tanks: -750 — ☐ ☒ ☐

COMMENTS: Need to Post Emergency Shut off Example of Signage

MONTHLY RELEASE DETECTION RECORDS REVIEW

YEAR →	15	15	15	14	14	14	14	14	14	14	14	14	MONTHLY THRU-PUT (OPT.)
TANK OR LINE ↓	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT	OCT	NOV	DEC	
T1	P	P	P	P	P	P	P	P	P	P	P	P	
T2	P	P	P	P	P	P	P	P	P	P	P	P	
T3	P	P	P	P	P	P	P	P	P	P	P	P	
T4	P	P	P	P	P	P	P	P	P	P	P	P	
L1	N	N	N	N	N	N	N	N	N	N	N	N	
L2	N	N	N	N	N	N	N	N	N	N	N	N	
L3	N	N	N	N	N	N	N	N	N	N	N	N	
		CSLD-02 hr/mo			P=Pass			N=Norms					

T=Tanks L=Line Status for Lines.

ADDITIONAL INFORMATION:

	Y	N
Photos taken:	☐	☒
TA materials provided: Emergency Sign Example	☒	☐

ACTION(S) TAKEN: ☐ NONE

- ☐ TA Comp. Schedule
- ☒ NONC
- ☐ Notice of Penalty # _____
- ☐ 30-Day Notice to Red Tag # _____
- ☐ Immediate Red Tag Issued # _____
- ☐ Re-training Required for: _____
- ☐ O&M Plan required

EPA COMPLIANCE TRACKING:

	Y	N
Overspill/Overfill/CP:	☒	☐
Release Detection:	☒	☐
Class A/B/C Certified:	☒	☐

Inspector Signature: Mark Wallace **Date:** 3-5-15

ADDITIONAL NOTES

C1 - UL Master — Cities
C2 - Premium —
C3 - Diesel

T1 - UL
T2 - UL And — Tanks
T3. Premium
T4 - Diesel

UST # 8504

Underground Storage Tank Tightness Testing Checklist

DEPARTMENT OF ECOLOGY
State of Washington

The attached Underground Storage Tank (UST) checklist is required for activity listed above. This checklist certifies that the Tightness Testing activities are performed and conducted in accordance with Chapter 173-360 WAC.

See back of form for instructions.

1. UST SYSTEM LOCATION AND OWNER

UBI Number: 602-597-602 (UBI # from Master Business License)

Site ID Number: 8504 (Available from Ecology if tank is Registered)

Site/Business Name: Shell Mini Mart

Site Address: 29625 Pacific Hwy S (Street) King (County)

Federal Way, WA (City, State) 98003 (Zip+4 (required))

Telephone:

UST Owner/Operator: same as above

Mailing Address: (Street) (P.O. Box)

(City, State) (Zip+4 (required))

Telephone:

2. FIRM PERFORMING WORK

Service Company: SME Solutions, LLC

Service Co. Address: 10107 S. Tacoma Way-Suite A-2 (Street)

Lakewood, WA. (City, State) 98499 (Zip+4 (required))

Certified Supervisor: Mark Spandler

Address: Same as above (Street) (P.O. Box)

(City, State) (Zip+4 (required))

ICBO Certification Number: 8245831 Certification Issue Date (Month/Year): 04/16

Telephone: 253-572-3822

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If you require special accommodations or need this document in an alternate format, please contact the Toxics Cleanup Program at (360) 407-7170. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call (877) 833-6341.

ECY 070-59 (11/06) ***White Copy (Ecology), Yellow Copy (Owner/Operator), Pink Copy (Service Provider)***

Underground Storage Tank

Tightness Testing Checklist

Site ID # 8504

Site Address 29625 Pacific Hwy S

City Federal Way, WA

For more than four UST systems, you may photocopy this form prior to completing.

I. TIGHTNESS TESTING METHOD **Date of Test:** 01/12/15

1. Tightness testing method(s) used (indicate if more than one method was used):
   Test method name/version: Petro-Tite
   Test method manufacturer: Health Consultants

Note: A tank must be tested up to the product level limited by the overfill prevention device. If an overfill prevention device is not installed, a tank must be tested up to the 95% full level. When underfill volumetric testing methods are used, the tank must be (1) filled with product to the 95% full level or (2) the portion of the tank above the product level must be tested using a nonvolumetric method which meets performance standards, for tightness testing.

2. Indicate the method used to determine if groundwater was present above the bottom of the tank during the test (required for single wall tanks): N/A

3. Method used for release detection:
   - ☐ Weekly manual gauging
   - ☐ Daily manual inventory control
   - ☐ Automatic tank gauging (ATG)
   - ☐ Interstitial monitoring
   - ☑ Other (describe) CSLD

4. Reason for conducting tightness test:
   - ☑ Required for release detection requirement
   - ☐ Bring temporarily closed tanks back into service
   - ☐ Tank or piping repair
   - ☐ Other (describe) _____

5. Type of test conducted:
   - ☐ Tank tightness test only
   - ☐ Line tightness test only
   - ☐ Total system test (tank and lines tested together)
   - ☑ Line leak detector test

6. Test method type:
   - ☐ Overfill volumetric
   - ☐ Underfill volumetric
   - ☐ Nonvolumetric
   - ☑ Volumetric

II. TEST METHOD CHECKLIST

The following items shall be initialed by the Certified Supervisor whose signature appears on this form.

	Yes	No	NA*
1. Has the tightness testing method used been demonstrated to meet the performance standard specified in the UST rules for the conditions under which the test was conducted? (e.g., detecting a 0.10 gallon per hour leak rate with probability of detection of at least 95% and a probability of false alarm of no more than 5%).	MS	☐	☐
2. Have all written testing procedures developed by the manufacturer of the testing equipment and method been followed while the test was being set up and conducted?	MS	☐	☐
3. Was the product level in the tank during the test within the limitations of the test methods performance standards?	MS	☐	☐
4. If groundwater was present above the bottom of the tank, have the testing procedures accounted for its presence? (required for single wall tanks)	☐	☐	MS
5. If the tightness test is considered a failed test, has the owner/operator been notified of the test results? (Note: Tank owner must report a failed tightness test as a suspected release within 24 hours to UST staff at the appropriate Ecology regional office.)	☐	☐	MS

* Item not applicable

White Copy (Ecology), Yellow Copy (Owner/Operator), Pink Copy (Service Provider)

Site ID # 8504

Site Address 29625 Pacific Hwy S
City Federal Way, WA

Tightness Testing Checklist (continued)

III. TANK INFORMATION CHECKLIST

	Tank 1	Tank 2	Tank 3	Tank 4
1. Tank ID # (tank name registered with Ecology)				
2. Date installed				
3. Tank capacity in gallons	12000	4000	10000	8000
4. Last substance stored	Unleaded-Master	Unleaded-Syphon	Premium	Diesel
5. Number of tank compartments	1	1	1	1
6. Tank type: (S) single wall; (D) double wall; (P) partitioned	Double Wall	Double Wall	Double Wall	Double Wall
7. Is overfill device present? (Yes/No)	Alarm	Alarm	Alarm	Alarm
8. Percentage of product in tank during test? (Volume % must comply with test method certification requirements)	N/A	N/A	N/A	N/A
9. The test method used can detect a leak of how many GPH?	N/A	N/A	N/A	N/A
10. The numerical tank test results are? (in gallons per hour)	N/A	N/A	N/A	N/A
11. Based on evaluating test results and conducting any retesting as necessary as per test protocol to obtain conclusive test results; the test results are? (Pass/Fail)*	N/A	N/A	N/A	N/A

IV. Line Information

	Line 1	Line 2	Line 3	Line 4
1. Piping type: (S) single wall; (D) double wall	Double Wall	Double Wall	Double Wall	
2. Pump type: (T) turbine; (S) suction	Turbine	Turbine	Turbine	
3. (a) If turbine, is line leak detector present? (Yes/No)	YES	YES	YES	
(1) If present, was lead seal intact? (Yes/No N/A)	N/A	N/A	N/A	
(2) Line leak detector results? (Pass/Fail)	PASS	PASS	PASS	
(b) If suction, check valve located at? (T) tank (P) pump	N/A	N/A	N/A	
4. The numerical line test results are? (in gallons per hour)				
5. Line tightness test results? (Pass/Fail)*				

* Inconclusive test results for tanks or piping will not be considered as a valid tightness test for the purposes of complying with UST release detection regulations.

V. REQUIRED SIGNATURES

I hereby attest, that I have been the Certified Supervisor present during the above listed testing activities, and to the best of my knowledge they have been conducted in compliance with all applicable state and federal laws, regulations and procedures, pertaining to underground storage tanks.

Persons submitting false information are subject to formal enforcement and/or penalties under Chapter 173.360 WAC.

Date	Signature of Certified Supervisor	Printed Name
01/12/15	Digitally signed by Mark Spandler	Mark Spandler
01/12/15	Manjinder Singh	MANJINDER SINGH
Date	Signature of Tank Owner/Authorized Representative	Printed Name

Checklist Instructions

After completing these checklist(s), return to: **Underground Storage Tank Section**
Department of Ecology
P.O. Box 47655
Olympia, WA 98504-7655

Please Read Carefully

Checklist(s) are to be completed by a Certified UST Supervisor and submitted to Ecology within 30 days of the tank work being performed.

On each checklist, complete the Site ID number and/or the UBI number, site address and site city on each page. Submit the cover sheet that contains the site and owner information with the checklist. The checklist should show all tank information that was worked on. Be sure that the Owner or the Authorized Representative **AND** Certified Supervisor sign the appropriate checklist.

The Owner/Operator is responsible for ensuring that the work is performed and that the checklist(s) are submitted to Ecology.

Cover Sheet

Site and Owner Information
Fill in the site and owner information. Include the Ecology Site ID number, if known, and/or UBI number (Uniform Business Identification) from the master business license. Also be sure to provide telephone numbers so that any problems can be resolved quickly.

Firm and Certified Supervisor Information
List the firm performing the work as well as the Certified Supervisor's name and Certification Number. Ask to see the Supervisor's Tightness Testing ICBO Certification and make sure that the Supervisor signs the appropriate checklist for work performed.

Please Note: Individuals performing services MUST be certified by the International Code of Building Officials (ICBO), or other recognized association by which they demonstrate appropriate knowledge pertaining to USTs or have passed another qualifying exam approved by the Department.

Checklists

The Tightness Testing Checklist shall be completed and signed by a Certified Tightness Testing Supervisor. The supervisor shall be on site during all tank tightness testing activities. Up to four tanks per site may be reported on a single checklist; additional tanks will require additional checklists. A Tightness Testing Checklist must be completed for each UST system (tank and associated piping) being tested as well as following most retrofit/repairs.

The tank owner or operator* must *report* a failed tightness test as *a suspected release* to UST staff *at the appropriate Ecology regional office within 24 hours.

Northwest	Southwest	Central	Eastern
(425) 649-7000	(360) 407-6300	(509) 574-2490	(509) 329-3400

White Copy (Ecology), Yellow Copy (Owner/Operator), Pink Copy (Service Provider)

DEPARTMENT OF ECOLOGY
State of Washington

Underground Storage Tank Retrofit/Repair Checklist

The attached Underground Storage Tank (UST) checklist is required for the activity listed above. This checklist certifies that Retrofit/Repair activities were performed and conducted in accordance with Chapter 173-360 WAC.

See back of form for instructions.

1. UST SYSTEM LOCATION AND OWNER

UBI Number: 602-597-602 *(UBI # from Master Business License)* Site ID Number 8504 *(Available from Ecology if tank is Registered)*

Site/Business Name: Shell Mini Mart

Site Address: 29625 Pacific Hwy S *Street* King *County*

Federal Way, WA *City State* 98003 *Zip+4 (required)*

Telephone:

UST Owner/Operator:

Mailing Address: *Street* *P.O. Box*

City State *Zip+4 (required)*

Telephone: E-mail:

2. FIRM PERFORMING WORK

Service Company: SME Solutions, LLC

Service Co. Address: 10107 S Tacoma Way *Street*

Lakewood, WA *City State* 98499 *Zip+4 (required)*

Certified Supervisor: Mark Spandler

Address: 10107 S Tacoma Way *Street*

Lakewood, WA *City State* *P.O. Box* 98499 *Zip+4 (required)*

ICC Certification Number: 8245831 Certification Expiration Date: 04/16

Telephone: 253-572-3822 E-mail: mspandler@sme-solutions.com

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Site ID # 8504

Site Address 29625 Pacific Hwy S
City Federal Way, WA

Underground Storage Tank

Retrofit/Repair Checklist

This form must be completed for each UST system (tank and associated piping) retrofitted or repaired at the site. For more than four UST systems, you may photocopy this form prior to completing.

I. UST SYSTEM INFORMATION

		Tank 1	Tank 2	Tank 3	Tank 4
1. Tank ID # (tank name registered with Ecology)					Diesel
2. Date installed					
3. Tank capacity in gallons					
4. Tank material: (Specify for each Tank)	Steel Composite Fiberglass (FRP) Other (specify)				Steel
5. Tank construction: (Specify for each Tank)	(SW) single wall (DW) double wall (P) partitioned				Double wall

II. RETROFITTING/REPAIR INFORMATION

		Tank 1	Tank2	Tank 3	Tank 4
1. **Reason for retrofitting UST system** (indicate all that apply)					
To comply with upgrading requirements for existing UST systems					
To repair structural defect(s) in tank					
Preventive maintenance					
To comply with corrective action requirements					
To comply with Cathodic Protection requirements					
Other (Specify)					Failed Test
2. **Type of retrofitting** (indicate all that apply)					
Installation of internal lining:	Rubber •				
	Alkyd •				
	Epoxy •				
	Phenolic •				
	Glass •				
	Other (specify) •				
Installation of Cathodic Protection Equipment		(Include copy of Site Plan and Retrofit/Repair Design)			
Addition of Supplementary Anodes	Tanks •				
	Lines •				
	Metal Flex Connectors •				
	Other (Describe) •				
Installation of spill and overfill prevention equipment	Catchment Basin •				
	Auto Shutoff•				
	Overfill Alarm•				
	Ball Float Valve•				
	Other (specify) •				

ECY 070-71 (11/08)

Retrofitting/Repair Checklist (continued)

Site ID # 8504
Site Address 29625 Pacific Hwy S
City Federal Way, WA

II. RETROFITTING/REPAIR INFORMATION (continued)

	Tank 1	Tank 2	Tank 3	Tank 4
2. **Type of retrofitting** *(indicate all that apply)*				
Installation of release detection equipment				
Automatic tank gauge (ATG) •				
Vapor monitoring equipment •				
Groundwater monitoring equipment •				
Interstitial monitor •				
Automatic line leak detector •				✓
Other (specify) •				
Tank repair *(describe)*				
• Replacement of metal pipe sections and fittings (indicate new piping material)				
• Replacement of fiberglass pipe sections and fittings (indicate new piping material)				
• Repair of fiberglass pipe sections and fittings				
• Other (specify)				
3. **Date of Completion of retrofit or repair(s) indicated above**				01/12/15
4. **Date of Tightness Test following retrofitting or repairs indicated above**				01/12/15

III. CHECKLIST

The following items shall be initialed by the Certified Supervisor whose signature appears below.	Yes	No	N/A
1. Have all items checked above been installed, repaired or replaced per code and manufacturer's requirements and in accordance with federal and/or state regulations?	MS		
2. Has the owner/operator been provided with written documentation of the item(s) installed, repaired or replaced?	MS		

IV. REQUIRED SIGNATURES

I hereby attest, that I have been the Certified Supervisor present on site during the above listed retrofitting/repair activities, and to the best of my knowledge they have been conducted in compliance with all applicable state and federal laws, regulations and procedures, pertaining to underground storage tanks.

Persons submitting false information are subject to formal enforcement and/or penalties under Chapter 173-360 WAC.

Date	Signature of Certified Supervisor	Print or Type Name
01/12/15	Digitally signed by Mark Spandler	Mark Spandler
01/12/15	Signature of Tank Owner or Authorized Representative	MANDHOR SINGH

Checklist Instructions

After completing the checklist(s), return to:

Underground Storage Tank Section
Department of Ecology
P.O. Box 47655
Olympia, WA 98504-7655

Please Read Carefully

Checklist(s) are to be completed by a Certified UST Supervisor and submitted to Ecology within 30 days of the tank work being performed.

On each checklist, complete the Site ID number and/or the UBI number, site address and site city on each page. Submit the cover sheet that contains the site and owner information with the checklist. The checklist should show all tank and/or piping information that was worked on. Be sure the Owner or the Authorized Representative **AND** Certified Supervisor sign the appropriate checklist.

The Owner/Operator is responsible for ensuring the work is performed and the checklist(s) are submitted to Ecology.

Cover Sheet

Site and Owner Information
Fill in the site and owner information. Include the Ecology Site ID number, if known, and/or UBI number (Uniform Business Identification) from the master business license. Also be sure to provide telephone numbers so that any problems can be resolved quickly.

Firm and Certified Supervisor Information
List the firm performing the work as well as the Certified Supervisor's name and Certification expiration date. Ask to see the Supervisor's Retrofitting/Repair ICC Certification and make sure the Supervisor signs the appropriate checklist for work performed.

Please Note: Individuals performing services MUST be certified by the International Code Council (ICC), or other recognized association by which they demonstrate appropriate knowledge pertaining to USTs or have passed another qualifying exam approved by the Department.

Checklists

The **Retrofitting/Repair Checklist** shall be completed and signed by an ICC Certified Installation and Retrofitting Supervisor. The Certified Supervisor shall be on site when all retrofitting/repair activities are being conducted.

Northwest	Southwest	Central	Eastern
(206) 649-7000	(360) 407-6300	(509) 574-2490	(509) 329-3400

Monitoring System Equipment Certification

This form must be used to document testing and servicing of monitoring equipment. A separate certification or report must be prepared for each monitoring system control panel by the technician who performs the work. A copy of this form must be provided to the tank system owner/operator.

A. General Information

Facility Name: Shell Mini Mart Bldg. No.:

Site Address: 29625 Pacific Hwy S City: Federal Way Zip: 98003

Facility Contact Person: Contact Phone Number:

Make/Model of Monitoring System: Date of Testing/Servicing: 1/12/2015

B. Inventory of Equipment Tested/Certified

Check the appropriate boxes to indicate specific equipment inspected/serviced:

Tank ID: Unleaded Master

☒	In - Tank Gauging Probe	Model: Mag7
☐	Annular Space or Vault Sensor	Model:
☒	Piping Sump/Trench Sensor	Model: VR 352
☐	Fill Sump Sensor(s)	Model:
☒	Mechanical Line Leak Detector	Model: VMI
☐	Electronic Line Leak Detector	Model:
☒	Tank Overfill/High Level Sensor	Model:
☐	Other (Specify equipment type and model in Section G on Page 3)	

Tank ID: Unleaded Syphon

☒	In - Tank Gauging Probe	Model: Mag7
☐	Annular Space or Vault Sensor	Model:
☐	Piping Sump/Trench Sensor	Model:
☐	Fill Sump Sensor(s)	Model:
☐	Mechanical Line Leak Detector	Model:
☐	Electronic Line Leak Detector	Model:
☐	Tank Overfill/High Level Sensor	Model:
☐	Other (Specify equipment type and model in Section G on Page 3)	

Tank ID: Premium

☒	In - Tank Gauging Probe	Model: Mag7
☐	Annular Space or Vault Sensor	Model:
☒	Piping Sump/Trench Sensor	Model: VR 352
☐	Fill Sump Sensor(s)	Model:
☒	Mechanical Line Leak Detector	Model: VMI
☐	Electronic Line Leak Detector	Model:
☒	Tank Overfill/High Level Sensor	Model:
☐	Other (Specify equipment type and model in Section G on Page 3)	

Tank ID: Diesel

☒	In - Tank Gauging Probe	Model: Mag7
☐	Annular Space or Vault Sensor	Model:
☒	Piping Sump/Trench Sensor	Model: VR 352
☐	Fill Sump Sensor(s)	Model:
☒	Mechanical Line Leak Detector	Model: VMI
☐	Electronic Line Leak Detector	Model:
☒	Tank Overfill/High Level Sensor	Model:
☐	Other (Specify equipment type and model in Section G on Page 3)	

Tank ID: N/A

☐	In - Tank Gauging Probe	Model:
☐	Annular Space or Vault Sensor	Model:
☐	Piping Sump/Trench Sensor	Model:
☐	Fill Sump Sensor(s)	Model:
☐	Mechanical Line Leak Detector	Model:
☐	Electronic Line Leak Detector	Model:
☐	Tank Overfill/High Level Sensor	Model:
☐	Other (Specify equipment type and model in Section G on Page 3)	

Tank ID: N/A

☐	In - Tank Gauging Probe	Model:
☐	Annular Space or Vault Sensor	Model:
☐	Piping Sump/Trench Sensor	Model:
☐	Fill Sump Sensor(s)	Model:
☐	Mechanical Line Leak Detector	Model:
☐	Electronic Line Leak Detector	Model:
☐	Tank Overfill/High Level Sensor	Model:
☐	Other (Specify equipment type and model in Section G on Page 3)	

*If the facility contains more tanks or dispensers, copy this form. Include information for every tank and dispenser at the facility.

Site Address: 29625 Pacific Hwy S

Date of Testing/Servicing: 1/12/2015

Dispenser ID: 1-8 ☐ Dispenser Containment Sensor(s) Model: ☒ Shear Valve(s) ☐ Dispenser Containment Float(s) and Chain(s)	**Dispenser ID:** ☐ Dispenser Containment Sensor(s) Model: ☐ Shear Valve(s) ☐ Dispenser Containment Float(s) and Chain(s)
Dispenser ID: ☐ Dispenser Containment Sensor(s) Model: ☐ Shear Valve(s) ☐ Dispenser Containment Float(s) and Chain(s)	**Dispenser ID:** ☐ Dispenser Containment Sensor(s) Model: ☐ Shear Valve(s) ☐ Dispenser Containment Float(s) and Chain(s)
Dispenser ID: ☐ Dispenser Containment Sensor(s) Model: ☐ Shear Valve(s) ☐ Dispenser Containment Float(s) and Chain(s)	**Dispenser ID:** ☐ Dispenser Containment Sensor(s) Model: ☐ Shear Valve(s) ☐ Dispenser Containment Float(s) and Chain(s)
Dispenser ID: ☐ Dispenser Containment Sensor(s) Model: ☐ Shear Valve(s) ☐ Dispenser Containment Float(s) and Chain(s)	**Dispenser ID:** ☐ Dispenser Containment Sensor(s) Model: ☐ Shear Valve(s) ☐ Dispenser Containment Float(s) and Chain(s)

C. Results of Testing/Servicing

Software Version Installed: 127.02

Complete the following checklist:

☒ Yes	☐ No*	Is the audible alarm operational?
☒ Yes	☐ No*	Is the visual alarm operational?
☒ Yes	☐ No*	Were all the sensors visually inspected, functionally tested, and confirmed operational?
☒ Yes	☐ No*	Were all sensors installed at lowest point of secondary containment and positioned so that other equipment will not interfere with their proper operation?
☐ Yes	☐ No* ☒ N/A	If alarms are relayed to a remote monitoring station, is all communications equipment (e.g. modem) operational?
☐ Yes	☐ No* ☒ N/A	For pressurized piping systems, does the turbine automatically shut down if the piping secondary containment monitoring system detects a leak, fails to operate, or is electrically disconnected? If yes, which sensors initiate positive shutdown? *(Check all that apply)* ☐ Sump/Trench Sensors ☐ Dispenser Containment Sensors Did you confirm positive shutdown due to leaks and sensor failure/disconnection? ☐ Yes ☐ No
☐ Yes	☐ No* ☒ N/A	For tank systems that utilize the monitoring system as the primary tank overfill warning device (i.e. no mechanical overfill protection valve is installed), is the overfill warning alarm visible and audible at the tank fill point(s) and operating properly? If so, at what percent does the alarm trigger? ____ %
☐ Yes*	☒ No	Was any monitoring equipment replaced? If yes, identify specific sensors, probes, or other equipment replaced and list the manufacturer name and model for all replacement parts in section G, below.
☐ Yes*	☒ No	Was liquid found inside any secondary containment systems designed as dry systems? *(Check all that apply)* ☐ Product ☐ Water *If yes, describe causes in Section G, below.*
☒ Yes	☐ No*	Was monitoring system set-up reviewed to ensure proper settings? (Attach set-up reports, if applicable)
☒ Yes	☐ No*	Is all monitoring equipment operational per manufacturer's specifications?

*** In section G below, describe how and when these deficiencies were or will be corrected.**

Site Address: 29625 Pacific Hwy S Date of Testing/Servicing: 1/12/2015

D. In - Tank Gauging/ SIR Equipment

☐ Check this box if tank gauging is used only for inventory control.
☐ Check this box if no tank gauging or SIR equipment is installed.

This section must be completed if in-tank gauging equipment is used to perform leak detection monitoring.

☒ Yes	☐ No*	Has all input wiring been inspected for proper entry and termination, including testing for ground faults?
☒ Yes	☐ No*	Were all tank gauging probes visually inspected for damage and residue build-up?
☒ Yes	☐ No*	Was accuracy of system product level readings tested?
☒ Yes	☐ No*	Was accuracy of system water level readings tested?
☒ Yes	☐ No*	Were all probes reinstalled properly?
☒ Yes	☐ No*	Were all items on the equipment manufacturer's maintenance checklist completed?

***In section G below, describe how and when these deficiencies were or will be corrected.**

E. Line Leak Detectors (LLD):

Complete the following checklist: ☐ Check this box if LLD's are not installed

☒ Yes	☐ No*	For equipment start-up or annual equipment certification was a leak simulated to verify LLD performance? *(Check all that apply)* Simulated leak rate: ☒ 3 g.p.h (1); ☐ 0.1 g.p.h. (2.); ☐ 0.2 g.p.h. (2.),
	☐ N/A	Notes: 1. Required for equipment start-up certification and annual certification. 2. Unless mandated by local agency, certification required only for electronic LLD Startup.
☒ Yes	☐ No*	Were all LLD's confirmed operational and accurate within regulatory requirements?
☒ Yes	☐ No*	Was the testing apparatus properly calibrated?
☒ Yes	☐ No*	For mechanical LLD's, does the LLD restrict product flow is it detects a leak?
	☐ N/A	
☐ Yes	☐ No*	For electronic LLD's, does the turbine automatically shut off if the LLD detects a leak?
	☒ N/A	
☐ Yes	☐ No*	For electronic LLD's, does the turbine automatically shut off if any portion of the monitoring system is disabled or disconnected?
	☒ N/A	
☐ Yes	☐ No*	For electronic LLD's, does the turbine automatically shut off if any portion of the monitoring system is malfunctions or fails a test?
	☒ N/A	
☐ Yes	☐ No*	For electronic LLD's, have all accessible wiring connections been visually inspected?
	☒ N/A	
☒ Yes	☐ No*	Were all items on the equipment manufacturer's maintenance checklist completed?

***In section G below, describe how and when these deficiencies were or will be corrected.**

F. Certification - I certify that the equipment identified in this document was inspected/serviced in accordance with the manufacturer's guidelines. Attached to this Certification is information (e.g. manufacturers' checklist) necessary to verify that this information is correct. For any equipment capable of generating such reports, I have also attached a copy of the; *(Check all that apply)*

G. Comments ☒ System set-up ☒ Alarm History Report

Replaced diesel FX1 leak detector, not functioning, with VMI LD2000

Technician Name: Mark Spandler Signature: Digitally signed by Mark Spandler

Mfg. Cert.#: ICC# 8245831-U3 License No.:

Testing Company Name: SME Solutions, LLC. Phone No.: (253) 572-3822

Testing Company Address: 10107 S. Tacoma Way-Lakewood, WA. 98499 Date of Testing/Servicing: 1/12/2015

SME SOLUTIONS, LLC

10707 S. Tacoma Way
Suite A-2
Lakewood, WA. 98499
(253) 572-3922

2800 N.W. 31st. Ave
Portland, OR. 97210
(503) 946-0000

Mechanical Leak Detector Test Data Sheet

Site Name Shell Mini Mart Date 1/12/2015

Address 29625 Pacific Hwy S

Federal Way, WA 98003

Test Information

	1	2	3	4	5
Product	Unleaded	Premium	Diesel		
Manufacturer	VMI	VMI	VMI		
Model	LD2200	LD2000	LD2000		
Full Operating Pressure (PSI)	28	26	28		
Line Bleed Back (ml)	150	200	110		
Trip Time (sec)	2	2	3		
Metering Pressure (PSI)	20	18	19		
F/E Holding Pressure (PSI)	22	24	23		
Test Leak Rate (ml/min)(gph)	3	3	3		
PASS or FAIL	**PASS**	**PASS**	**PASS**		

Comments Replaced diesel FX1 leak detector with LD2000

This letter certifies that the annual leak detector tests were performed at the above referenced facility according to the equipment manufacturers procedures and limitations and the results as listed are to my knowledge true and correct. The mechanical leak detector test pass/fail is determined using a low flow threshold trip rate of 3 gph at 10 PSI.

Inspected By: Contractor SME Solutions, LLC

Technician Mark Spandler Lic# 8245831

Signature Digitally signed by Mark Spandler

Washington Oregon Gasoline Vapor Control Committee

This form will be accepted by any State or Local Air Pollution Agency requiring compliance testing on gas station vapor recovery equipment within the states of Washington or Oregon

For Agency Use Only
Reviewed by: _____
Date: _____
☐ Passed ☐ Failed
(Attach reasons for test failure to this form)

Pressure Decay Test CARB Test Procedure TP-201.3 or Procedure in CARB Executive Order for Stage 2 Equipment

Station Name: Shell Mini Mart
Air Agency Registration No.:
Address: 29625 Pacific Hwy S
City, State, Zip: Federal Way, WA 98003

Testing Company Name: SME Solutions, LLC
Date/Time of Test: 01/12/15
Address: 10107 S. Tacoma Way-Suite A2
Phone No.: 253-572-3822
City, State, Zip: Lakewood, WA. 98499

Type of Stage 1: ☐ Coaxial ☑ Dual Point
Type of Stage 2 system: ☐ Balance ☐ Tokheim ☐ Wayne ☐ OPW ☑ Gilbarco ☐ Healy ☐ Other: _____

Tanks Manifolded? Yes ☑ No ☐ **Total Nozzles:** 24 **Tested with vapor cap:** ON ☐ or OFF ☑

	Tank #1	Tank #2	Tank #3	Tank #4	Total if Manifolded
Number of Nozzles:	24				
Capacity:	12000	4000	10000		27000
Gasoline Volume:	6539	2176	3028		11743
Ullage:	5493	1834	7124		14451
Percent Ullage:	% 46	% 46	% 65	%	% 53

Minimum total ullage for each tank must be 1,000 gallons or 25% of tank capacity

Maximum total ullage from manifolded (all) tanks must not exceed 26,000 gallons

Date Test Equipment Calibrated: 01/05/15

Test Results

	If Manifolded	Non-Manifolded Tank #1	Tank #2	Tank #3	Tank #4
Initial Pressure	2.0" H2O	2.0" H2O	2.0" H2O	2.0" H2O	2.0" H2O
Pressure after 1 minute	" H2O 1.99	" H2O	" H2O	" H2O	" H2O
Pressure after 2 minutes	" H2O 1.96	" H2O	" H2O	" H2O	" H2O
Pressure after 3 minutes	" H2O 1.93	" H2O	" H2O	" H2O	" H2O
Pressure after 4 minutes	" H2O 1.91	" H2O	" H2O	" H2O	" H2O
Pressure after 5 minutes	" H2O 1.91	" H2O	" H2O	" H2O	" H2O

Allowable pressure from table (TP-201.3 or Applicable CARB Exec Exhibit #): _____
Allowable pressure calculated (Formulas on back): 1.88

Person conducting the test:
Mark Spandler — *Print Name*
Digitally signed by Mark Spandler — *Signature*
01/12/15 — *Date*

Tank owner or authorized representative:
MANJINDER SINGH — *Print Name*
Manjinder Singh — *Signature*
01/12/15 — *Date*

1 Calculating Results

1.1 Allowable Pressures for Balance Systems

For Phase II Balance systems, the allowable five-minute final pressure, with an initial pressure of two inches (2.0) of water column, shall be calculated as follows:

$P_f = 2e^{-760.400/V}$ If N = 1-6

$P_f = 2e^{-792.196/V}$ If N = 7-12

$P_f = 2e^{-824.023/V}$ If N = 13-18

$P_f = 2e^{-855.974/V}$ If N = 19-24

$P_f = 2e^{-888.047/V}$ If N = 24

Where:

N = The number of affected nozzles:

For manifold systems, N equals the total number of nozzles.

For dedicated plumbing configurations, N equals the number of nozzles serviced by the tank being tested.

P_f = The minimum allowable five-minute final pressure, inches H_20

V = The total ullage affected by the test, gallons

e = A dimensionless constant approximately equal to 2.718

2 = The initial starting pressure, inches H_20

1.2 Allowable Pressures for Assist Systems

For Phase II Vacuum Assist Systems, the allowable five-minute final pressure, with an initial pressure of two inches (2.0) of water column, shall be calculated as follows:

$P_f = 2e^{-500.887/V}$ If N = 1-6

$P_f = 2e^{-531.614/V}$ If N = 7-12

$P_f = 2e^{-562.455/V}$ If N = 13-18

$P_f = 2e^{-593.412/V}$ If N = 19-24

$P_f = 2e^{-624.483/V}$ If N = 24

Washington Oregon Gasoline Vapor Control Committee

This form will be accepted by any State or Local Air Pollution Agency requiring compliance testing on gas station vapor recovery equipment within the states of Washington or Oregon

For Agency Use Only
Reviewed by: _____
Date: _____
☐ Passed ☐ Failed
(Attach reasons for test failure to this form)

Back Pressure Tests (Wet/Dry) CARB Test Procedure TP-201.4

Station Name: Shell Mini Mart	Air Agency Registration No.:
Address: 29625 Pacific Hwy S	
City, State, Zip: Federal Way, WA 98003	

Testing Company Name: SME Solutions, LLC	Date/Time of Test: 01/12/15
Address: 10107 S. Tacoma Way-Suite A2	Phone No.: 253-572-3822
City, State, Zip: Lakewood, WA. 98499	

Allowed back pressure for: Vapor Balance : **Nozzle** 0.35 80 CFH 0.62 80 CFH **Riser** 0.05 60 CFH
Vacuum Assist: **Riser** 0.5* 60 CFH
* EO G-70-165 Max allowable pressure drop 0.02 "H_2O Column at 60 CFH.

From: ☐ CARB Executive Order #: _____ or ☑ CARB Test Procedure TP-201.4

Nitrogen introduced at: ☐ Nozzle ☑ Riser

Did Test Procedure Include Fuel Dispensing? ☐ Yes ☑ No

Vapor Valve located: ☐ In Nozzle ☑ External

Date Test Equipment Calibrated: 01/05/15

All underground vapor lines must be tested Test must be conducted wet and dry.

Wet/Dry?:	Riser /Pump Number	GasGrade	Nozzle No.	Test Time (Min:Sec)	Back pressure in WC at a flow rate of: 60 CFH	80 CFH
Dry	3/4	MPD		30	0.23 " H2O	" H2O
Dry	7/8	MPD		30	0.19 " H2O	" H2O
					" H2O	" H2O
					" H2O	" H2O
					" H2O	" H2O
					" H2O	" H2O

Person conducting the test:
Mark Spandler — *Print Name*
Digitally signed by Mark Spandler — *Signature*
1/12/2015 — *Date*

Tank owner or authorized representative:
MANDINDER SINGH — *Print Name*
Mayinder Singh — *Signature*
1/12/15 — *Date*

SME
SME SOLUTIONS, LLC

Pressure/Vacuum (P/V) Vent Valve Data Sheet

Facility Name:	Shell Mini Mart	Test Date/Time:	1/12/2015
Address:	29625 Pacific Hwy S	Test Company:	SME Solutions, LLC
City, State, Zip :	Federal Way, WA 98003	Tester Name:	Mark Spandler
Air Agency Reg. #:		Tester Signature:	Digitally signed by Mark Spandler

P/V Valve Manufacturer: OPW	Model Number: 5238	Pass / Fail: Pass
Manufacturers Specified Positive Leak Rate (CFH): 0.05	**Manufacturers Specified Negative Leak Rate (CFH):** 0.21	
Measured Positive Leak Rate (CFH): 0.04	Measured Negative Leak Rate (CFH): 0.19	
Positive Cracking Pressure (in. H_2O): 2.74	Negative Cracking Pressure (in. H_2O): 9.54	

P/V Valve Manufacturer:	Model Number:	Pass / Fail:
Manufacturers Specified Positive Leak Rate (CFH):	**Manufacturers Specified Negative Leak Rate (CFH):**	
Measured Positive Leak Rate (CFH):	Measured Negative Leak Rate (CFH):	
Positive Cracking Pressure (in. H_2O):	Negative Cracking Pressure (in. H_2O):	

P/V Valve Manufacturer:	Model Number:	Pass / Fail:
Manufacturers Specified Positive Leak Rate (CFH):	**Manufacturers Specified Negative Leak Rate (CFH):**	
Measured Positive Leak Rate (CFH):	Measured Negative Leak Rate (CFH):	
Positive Cracking Pressure (in. H_2O):	Negative Cracking Pressure (in. H_2O):	

P/V Valve Manufacturer:	Model Number:	Pass / Fail:
Manufacturers Specified Positive Leak Rate (CFH):	**Manufacturers Specified Negative Leak Rate (CFH):**	
Measured Positive Leak Rate (CFH):	Measured Negative Leak Rate (CFH):	
Positive Cracking Pressure (in. H_2O):	Negative Cracking Pressure (in. H_2O):	

Washington Oregon Gasoline Vapor Control Committee

This form will be accepted by any State or Local Air Pollution Agency requiring compliance testing on gas station vapor recovery equipment within the states of Washington or Oregon

For Agency Use Only
Reviewed by: _____
Date: _____
☐ Passed ☐ Failed
(Attach reasons for test failure to this form)

Static Torque of Rotatable Stage 1 Adaptors

Station Name: Shell Mini Mart	Air Agency Registration No.:
Address: 29625 Pacific Hwy S	
City, State, Zip: Federal Way, WA 98003	

Testing Company Name: SME Solutions, LLC	Date/Time of Test: 01/12/15
Address: 10107 S. Tacoma Way-Suite A2	Phone No.: 253-572-3822
City, State, Zip: Lakewood, WA. 98499	

Measurement Units: ☑ pound-inches ☐ pound-feet

Vapor Adaptor 1	Vapor Adaptor 2	Vapor Adaptor 3	Vapor Adaptor 4
☑ Adaptor torqued to riser per manufacturer spec.	☑ Adaptor torqued to riser per Omanufacturer spec.	☑ Adaptor torqued to riser per manufacturer spec.	☐ Adaptor torqued to riser per manufacturer spec.
360° ☐ PASS ☐ FAIL	360° ☐ PASS ☐ FAIL	360° ☐ PASS ☐ FAIL	360° ☐ PASS ☐ FAIL
Brand: OPW	Brand: OPW	Brand: OPW	Brand:
Model: 61VSA	Model: 61VSA	Model: 61VSA	Model:
Grade: Unleaded	Grade: Unleaded	Grade: Super	Grade:
Torque 1: 80	Torque 1: 90	Torque 1: 95	Torque 1:
Torque 2: 80	Torque 2: 95	Torque 2: 90	Torque 2:
Torque 3: 75	Torque 3: 95	Torque 3: 90	Torque 3:
Average: 78.33	Average: 93.33	Average: 91.67	Average: 0.00

Product Adaptor 1	Product Adaptor 2	Product Adaptor 3	Product Adaptor 4
☑ Adaptor torqued to riser per manufacturer spec.	☑ Adaptor torqued to riser per manufacturer spec.	☑ Adaptor torqued to riser per manufacturer spec.	☐ Adaptor torqued to riser per manufacturer spec.
360° ☑ PASS ☐ FAIL	360° ☑ PASS ☐ FAIL	360° ☑ PASS ☐ FAIL	360° ☐ PASS ☐ FAIL
Brand: OPW	Brand: OPW	Brand: OPW	Brand: OPW
Model: 61SALP	Model: 61SALP	Model: 61SALP	Model:
Grade: Unleaded	Grade: Unleaded	Grade: Super	Grade:
Torque 1: 65	Torque 1: 85	Torque 1: 80	Torque 1:
Torque 2: 65	Torque 2: 85	Torque 2: 80	Torque 2:
Torque 3: 70	Torque 3: 85	Torque 3: 75	Torque 3:
Average: 66.67	Average: 85.00	Average: 78.33	Average: 0.00

Mark Spandler
Print Name

Digitally signed by Mark Spandler
Signature

01/12/15
Date

Tank owner or authorized representative:

MANJINDER SINGH
Print Name

Signature

01/12/15
Date

Washington Oregon Gasoline Vapor Control Committee

This form will be accepted by any State or Local Air Pollution Agency requiring compliance testing on gas station vapor recovery equipment within the states of Washington or Oregon

For Agency Use Only

Reviewed by: _____

Date: _____

☐ Passed ☐ Failed

(Attach reasons for test failure to this form)

Determination of Vapor Piping Connections (Tie-Tank Test) TP-201.3C

Station Name: Shell Mini Mart	Air Agency Registration No.:
Address: 29625 Pacific Hwy S	
City, State, Zip: Federal Way, WA 98003	

Testing Company Name: SME Solutions, LLC	Date/Time of Test: 1/12/2015
Address: 10107 S. Tacoma Way-Suite A2	Phone No.: 253-572-3822
City, State, Zip: Lakewood, WA. 98499	

The Tie-tank test is a pass fail test used to determine if all gasoline storage tanks are manifolded together. Diesel tank must not be manifold with the gasoline tanks. All tanks that service a stage 2 system must be manifold in order for the vapor recovery system to operate properly.

Option 1:

1) Remove dust cap from one stage 1 vapor adaptor. Introduce nitrogen at a stage 2 riser at the rate of 100 SCFH (bootless nozzles = 60 SCFH).

2) Briefly open the dry breaks on each tank (one at a time)

3) Is pressure relieved on each tank about the same

Option 2

1) Pressurize a tank to 2.10"WC and test the pressure in each tank using a pressure gauge on each vapor riser adaptor.

2) Is prassure readings from each tank about the same

Option 3

1) After conducting a pressure decay test, while the tanks are still pressurized.

2) Briefly open the dry breaks on each tank (one at a time) — YES

3) Is pressure relieved from each tank about the same — PASS

If the answer is yes, using the above options, then the tanks have passed the tie-tank test.

Comments:

Mark Spandler	Digitally signed by Mark Spandler	1/12/2015
Print Name	*Signature*	*Date*

Tank owner or authorized representative:

MANJINDER SINGH	Manjinder Singh	1/12/2015
Print Name	*Signature*	*Date*

Site Name and Address:	
Shell Mini Mart	
29675 Pacific Hwy S	
Federal Way, WA 98003	
Air Agency Reg. #:	
Test Date and Time:	Jan 12, 2015

TriTester

CARB TP 201.5
Air to Liquid Test
RESULTS REPORTING FORM

Test Firm Name and Address:	
SME Solutions, LLC	
10107 S. Tacoma Way-Suite A2	
Lakewood, WA. 98499	
Phone:	253-572-3822
Technician Name:	Mark Spandler
Signature:	Digitally signed by Mark Spandler
Applicable CARB EO #	

Meter Leak Tests

Bulb must not inflate in less than 30 seconds.

Pre-Test Leak Check Result ☐ Pass ☐ Fail

Post-Test Leak Check Result ☐ Pass ☐ Fail

Calibration Date: 12/29/14

Serial No: 0527996

Disp #	Gas Grade	Nozzle	GPM	A/L	Pass Fail	Comment	Disp #	Gas Grade	Nozzle	GPM	A/L	Pass Fail	Comment
1	Regular	11VAI27	9.91	1.03	Pass		7	Regular	11VAI27	9.98	1.10	Pass	
1	Plus	11VAI27	8.09	1.10	Pass		7	Plus	11VAI27	8.06	1.12	Pass	
1	Super	11VAI27	9.04	1.16	Pass		7	Super	11VAI27	6.94	1.11	Pass	
2	Regular	11VAI27	8.82	1.12	Pass		8	Regular	11VAI27	8.09	1.07	Pass	
2	Plus	11VAI27	9.11	1.16	Pass		8	Plus	11VAI27	8.88	1.17	Pass	
2	Super	11VAI27	8.72	1.15	Pass		8	Super	11VAI27	9.90	1.14	Pass	
3	Regular	11VAI27	7.01	1.09	Pass								
3	Plus	11VAI27	6.99	1.03	Pass								
3	Super	11VAI27	9.26	1.05	Pass								
4	Regular	12VW	8.73	1.05	Pass								
4	Plus	12VW	8.89	1.09	Pass								
4	Super	12VW	9.15	1.04	Pass								
5	Regular	11VAI27	8.24	1.10	Pass								
5	Plus	11VAI27	8.60	1.11	Pass								
5	Super	11VAI27	9.14	1.08	Pass								
6	Regular	11VAI27	9.37	1.14	Pass								
6	Plus	11VAI27	9.54	1.08	Pass								
6	Super	11VAI27	10.00	1.11	Pass								

UST #8504

DEPARTMENT OF ECOLOGY
State of Washington

Underground Storage Tank Tightness Testing Checklist

The attached Underground Storage Tank (UST) checklist is required for activity listed above. This checklist certifies that the Tightness Testing activities are performed and conducted in accordance with Chapter 173-360 WAC.

See back of form for instructions.

1. UST SYSTEM LOCATION AND OWNER

UBI Number: 602-597-602 *(UBI # from Master Business License)*
Site ID Number: 8504 *(Available from Ecology if tank is Registered)*

Site/Business Name: Shell

Site Address: 29625 Pacific Hwy So *(Street)* King *(County)*
Federal Way WA *(City, State)* 98003 *(Zip+4 required)*

Telephone:

UST Owner/Operator: Shell

Mailing Address: 29625 Pacific Hwy So *(Street)*
Federal Way WA *(City, State)* 98003 *(P.O. Box, Zip+4 required)*

Telephone:

2. FIRM PERFORMING WORK

Service Company: SME Solutions, LLC

Service Co. Address: 2302 A Street *(Street)*
Tacoma, WA. *(City, State)* 98402 *(Zip+4 required)*

Certified Supervisor: Mike Wertz

Address: Same as above *(Street, P.O. Box)*
(City, State, Zip+4 required)

ICBO Certification Number: 8155174-U3 Certification Issue Date (Month/Year): 4- 2012

Telephone: 253-572-3822

Ecology is an equal opportunity employer.
If you require special accommodations or need this document in an alternate format, please contact the Toxics Cleanup Program at (360) 407-7170. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call (877) 833-6341.

ECY 070-69 (11/08) ***White Copy (Ecology), Yellow Copy (Owner/Operator), Pink Copy (Service Provider)***

Underground Storage Tank

Tightness Testing Checklist

Site ID # 8504

Site Address 29625 Pacific Hwy So

City Federal Way WA

For more than four UST systems, you may photocopy this form prior to completing.

I. TIGHTNESS TESTING METHOD **Date of Test:** 1.10.2014

1. Tightness testing method(s) used (indicate if more than one method was used):
   Test method name/version Petro-Tite
   Test method manufacturer Heath Consultants

Note: A tank must be tested up to the product level limited by the overfill prevention device. If an overfill prevention device is not installed, a tank must be tested up to the 95% full level. When underfill volumetric testing methods are used, the tank must be (1) filled with product to the 95% full level or (2) the portion of the tank above the product level must be tested using a nonvolumetric method which meets performance standards, for tightness testing.

2. Indicate the method used to determine if groundwater was present above the bottom of the tank during the test (required for single wall tanks): N/A

3. Method used for release detection:
   - [ ] Weekly manual gauging
   - [ ] Daily manual inventory control
   - [ ] Automatic tank gauging (ATG)
   - [ ] Interstitial monitoring
   - [x] Other (describe) CSLD

4. Reason for conducting tightness test:
   - [x] Required for release detection requirement
   - [ ] Bring temporarily closed tanks back into service
   - [ ] Tank or piping repair
   - [ ] Other (describe) _____

5. Type of test conducted:
   - [ ] Tank tightness test only
   - [ ] Line tightness test only
   - [ ] Total system test (tank and lines tested together)
   - [x] Line leak detector test

6. Test method type:
   - [ ] Overfill volumetric
   - [ ] Underfill volumetric
   - [ ] Nonvolumetric
   - [x] Volumetric

II. TEST METHOD CHECKLIST

The following items shall be initialed by the Certified Supervisor whose signature appears on this form.

	Yes	No	NA*
1. Has the tightness testing method used been demonstrated to meet the performance standard specified in the UST rules for the conditions under which the test was conducted? (e.g., detecting a 0.10 gallon per hour leak rate with probability of detection of at least 95% and a probability of false alarm of no more than 5%).	Mw		
2. Have all written testing procedures developed by the manufacturer of the testing equipment and method been followed while the test was being set up and conducted?	Mw		
3. Was the product level in the tank during the test within the limitations of the test methods performance standards?	Mw		
4. If groundwater was present above the bottom of the tank, have the testing procedures accounted for its presence? (required for single wall tanks)			Mw
5. If the tightness test is considered a failed test, has the owner/operator been notified of the test results? (Note: Tank owner must report a failed tightness test as a suspected release within 24 hours to UST staff at the appropriate Ecology regional office.)			Mw

* *Item not applicable*

White Copy (Ecology), Yellow Copy (Owner/Operator), Pink Copy (Service Provider)

Site ID # 8504

Site Address 29625 Pacific Hwy So

City Federal Way WA

Tightness Testing Checklist (continued)

III. TANK INFORMATION CHECKLIST

	Tank 1	Tank 2	Tank 3	Tank 4
1. Tank ID # (tank name registered with Ecology)				
2. Date installed				
3. Tank capacity in gallons				
4. Last substance stored				
5. Number of tank compartments				
6. Tank type: (S) single wall; (D) double wall; (P) partitioned				
7. Is overfill device present? (Yes/No)				
8. Percentage of product in tank during test? (Volume % must comply with test method certification requirements)				
9. The test method used can detect a leak of how many GPH?				
10. The numerical tank test results are? (in gallons per hour)				
11. Based on evaluating test results and conducting any retesting as necessary as per test protocol to obtain conclusive test results; the test results are? (Pass/Fail)*				

IV. Line Information

	Line 1	Line 2	Line 3	Line 4
1. Piping type: (S) single wall; (D) double wall	Double Wall	Double Wall	Double Wall	
2. Pump type: (T) turbine; (S) suction	Turbine	Turbine	Turbine	
3. (a) If turbine, is line leak detector present? (Yes/No)	YES	YES	YES	
(1) If present, was lead seal intact? (Yes/No N/A)	N/A	N/A	N/A	
(2) Line leak detector results? (Pass/Fail)	PASS	PASS	PASS	
(b) If suction, check valve located at? (T) tank (P) pump	N/A	N/A	N/A	
4. The numerical line test results are? (in gallons per hour)				
5. Line tightness test results? (Pass/Fail)*	N/A	N/A	N/A	

* Inconclusive test results for tanks or piping will not be considered as a valid tightness test for the purposes of complying with UST release detection regulations.

V. REQUIRED SIGNATURES

I hereby attest, that I have been the Certified Supervisor present during the above listed testing activities, and to the best of my knowledge they have been conducted in compliance with all applicable state and federal laws, regulations and procedures, pertaining to underground storage tanks.

Persons submitting false information are subject to formal enforcement and/or penalties under Chapter 173.360 WAC.

Date	Signature of Certified Supervisor	Printed Name
1.10.2014	Digitally signed by Mike Wertz	Mike Wertz
1/10/2014	Signature of Tank Owner/Authorized Representative	MANJINDER SINGH

Date | Printed Name

Checklist Instructions

After completing these checklist(s), return to: **Underground Storage Tank Section**
Department of Ecology
P.O. Box 47655
Olympia, WA 98504-7655

Please Read Carefully

Checklist(s) are to be completed by a Certified UST Supervisor and submitted to Ecology within 30 days of the tank work being performed.

On each checklist, complete the Site ID number and/or the UBI number, site address and site city on each page. Submit the cover sheet that contains the site and owner information with the checklist. The checklist should show all tank information that was worked on. Be sure that the Owner or the Authorized Representative AND Certified Supervisor sign the appropriate checklist.

The Owner/Operator is responsible for ensuring that the work is performed and that the checklist(s) are submitted to Ecology.

Cover Sheet

Site and Owner Information
Fill in the site and owner information. Include the Ecology Site ID number, if known, and/or UBI number (Uniform Business Identification) from the master business license. Also be sure to provide telephone numbers so that any problems can be resolved quickly.

Firm and Certified Supervisor Information
List the firm performing the work as well as the Certified Supervisor's name and Certification Number. Ask to see the Supervisor's Tightness Testing ICBO Certification and make sure that the Supervisor signs the appropriate checklist for work performed.

Please Note: Individuals performing services MUST be certified by the International Code of Building Officials (ICBO), or other recognized association by which they demonstrate appropriate knowledge pertaining to USTs or have passed another qualifying exam approved by the Department.

Checklists

The **Tightness Testing Checklist** shall be completed and signed by a Certified Tightness Testing Supervisor. The supervisor shall be on site during all tank tightness testing activities. Up to four tanks per site may be reported on a single checklist; additional tanks will require additional checklists. A Tightness Testing Checklist must be completed for each UST system (tank and associated piping) being tested as well as following most retrofit/repairs.

The tank owner or operator* must *report* a failed tightness test as *a suspected release* to UST staff *at the appropriate Ecology regional office within 24 hours.

Northwest	Southwest	Central	Eastern
(425) 649-7000	(360) 407-6300	(509) 574-2490	(509) 329-3400

White Copy (Ecology), Yellow Copy (Owner/Operator), Pink Copy (Service Provider)

Monitoring System Equipment Certification

This form must be used to document testing and servicing of monitoring equipment. A separate certification or report must be prepared for each monitoring system control panel by the technician who performs the work. A copy of this form must be provided to the tank system owner/operator.

A. General Information

Facility Name: Shell Bldg. No.:

Site Address: 29625 Pacific Hwy SO City: Federal Way WA Zip:

Facility Contact Person: Contact Phone Number:

Make/Model of Monitoring System: Veeder Root TLS 350 Date of Testing/Servicing: 1/10/2014

B. Inventory of Equipment Tested/Certified

Check the appropriate boxes to indicate specific equipment inspected/serviced:

Tank ID: Unleaded Primary

- [x] In - Tank Gauging Probe — Model: Mag
- [ ] Annular Space or Vault Sensor — Model:
- [x] Piping Sump/Trench Sensor — Model: VR 352
- [ ] Fill Sump Sensor(s) — Model:
- [x] Mechanical Line Leak Detector — Model: VMI
- [ ] Electronic Line Leak Detector — Model:
- [x] Tank Overfill/High Level Sensor — Model:
- [ ] Other (Specify equipment type and model in Section G on Page 3)

Tank ID: Unleaded Secondary

- [x] In - Tank Gauging Probe — Model: Mag
- [ ] Annular Space or Vault Sensor — Model:
- [ ] Piping Sump/Trench Sensor — Model:
- [ ] Fill Sump Sensor(s) — Model:
- [ ] Mechanical Line Leak Detector — Model:
- [ ] Electronic Line Leak Detector — Model:
- [x] Tank Overfill/High Level Sensor — Model:
- [ ] Other (Specify equipment type and model in Section G on Page 3)

Tank ID: Premium

- [x] In - Tank Gauging Probe — Model: Mag
- [ ] Annular Space or Vault Sensor — Model:
- [x] Piping Sump/Trench Sensor — Model: VR 352
- [ ] Fill Sump Sensor(s) — Model:
- [x] Mechanical Line Leak Detector — Model: VMI
- [ ] Electronic Line Leak Detector — Model:
- [x] Tank Overfill/High Level Sensor — Model:
- [ ] Other (Specify equipment type and model in Section G on Page 3)

Tank ID: Diesel

- [x] In - Tank Gauging Probe — Model: Mag
- [ ] Annular Space or Vault Sensor — Model:
- [x] Piping Sump/Trench Sensor — Model: VR 352
- [ ] Fill Sump Sensor(s) — Model:
- [x] Mechanical Line Leak Detector — Model: Red Jacket
- [ ] Electronic Line Leak Detector — Model:
- [x] Tank Overfill/High Level Sensor — Model:
- [ ] Other (Specify equipment type and model in Section G on Page 3)

Tank ID: N / A

- [ ] In - Tank Gauging Probe — Model:
- [ ] Annular Space or Vault Sensor — Model:
- [ ] Piping Sump/Trench Sensor — Model:
- [ ] Fill Sump Sensor(s) — Model:
- [ ] Mechanical Line Leak Detector — Model:
- [ ] Electronic Line Leak Detector — Model:
- [ ] Tank Overfill/High Level Sensor — Model:
- [ ] Other (Specify equipment type and model in Section G on Page 3)

Tank ID: N / A

- [ ] In - Tank Gauging Probe — Model:
- [ ] Annular Space or Vault Sensor — Model:
- [ ] Piping Sump/Trench Sensor — Model:
- [ ] Fill Sump Sensor(s) — Model:
- [ ] Mechanical Line Leak Detector — Model:
- [ ] Electronic Line Leak Detector — Model:
- [ ] Tank Overfill/High Level Sensor — Model:
- [ ] Other (Specify equipment type and model in Section G on Page 3)

*If the facility contains more tanks or dispensers, copy this form. Include information for every tank and dispenser at the facility.

Site Address: 29625 Pacific Hwy SO

Date of Testing/Servicing: 1/10/2014

Dispenser ID: 1/8 ☐ Dispenser Containment Sensor(s) Model: ☒ Shear Valve(s ☐ Dispenser Containment Float(s) and Chain(s)	**Dispenser ID:** N / A ☐ Dispenser Containment Sensor(s) Model: ☐ Shear Valve(s) ☐ Dispenser Containment Float(s) and Chain(s)
Dispenser ID: N / A ☐ Dispenser Containment Sensor(s) Model: ☐ Shear Valve(s ☐ Dispenser Containment Float(s) and Chain(s)	**Dispenser ID:** N / A ☐ Dispenser Containment Sensor(s) Model: ☐ Shear Valve(s) ☐ Dispenser Containment Float(s) and Chain(s)
Dispenser ID: N / A ☐ Dispenser Containment Sensor(s) Model: ☐ Shear Valve(s) ☐ Dispenser Containment Float(s) and Chain(s)	**Dispenser ID:** N / A ☐ Dispenser Containment Sensor(s) Model: ☐ Shear Valve(s) ☐ Dispenser Containment Float(s) and Chain(s)
Dispenser ID: N / A ☐ Dispenser Containment Sensor(s) Model: ☐ Shear Valve(s) ☐ Dispenser Containment Float(s) and Chain(s)	**Dispenser ID:** N / A ☐ Dispenser Containment Sensor(s) Model: ☐ Shear Valve(s) ☐ Dispenser Containment Float(s) and Chain(s)

C. Results of Testing/Servicing

Software Version Installed:

Complete the following checklist:

☒ Yes	☐ No*	Is the audible alarm operational?
☒ Yes	☐ No*	Is the visual alarm operational?
☒ Yes	☐ No*	Were all the sensors visually inspected, functionally tested, and confirmed operational?
☒ Yes	☐ No*	Were all sensors installed at lowest point of secondary containment and positioned so that other equipment will not interfere with their proper operation?
☐ Yes	☐ No* ☒ N/A	If alarms are relayed to a remote monitoring station, is all communications equipment (e.g. modem) operational?
☐ Yes	☐ No* ☒ N/A	For pressurized piping systems, does the turbine automatically shut down if the piping secondary containment monitoring system detects a leak, fails to operate, or is electrically disconnected? If yes: which sensors initiate positive shutdown? *(Check all that apply)* ☐ Sump/Trench Sensors ☐ Dispenser Containment Sensors Did you confirm positive shutdown due to leaks and sensor failure/disconnection? ☐ Yes ☐ No
☐ Yes	☐ No* ☒ N/A	For tank systems that utilize the monitoring system as the primary tank overfill warning device (i.e. no mechanical overfill protection valve is installed), is the overfill warning alarm visible and audible at the tank fill point(s) and operating properly? If so, at what percent does the alarm trigger? ____ %
☐ Yes*	☒ No	Was any monitoring equipment replaced? If yes, identify specific sensors, probes, or other equipment replaced and list the manufacturer name and model for all replacement parts in section G, below.
☐ Yes*	☒ No	Was liquid found inside any secondary containment systems designed as dry systems? *(Check all that apply)* ☐ Product ☐ Water *If yes, describe causes in Section G, below.*
☒ Yes	☐ No*	Was monitoring system set-up reviewed to ensure proper settings? (Attach set-up reports, if applicable)
☒ Yes	☐ No*	Is all monitoring equipment operational per manufacturer's specifications?

*** In section G below, describe how and when these deficiencies were or will be corrected.**

Site Address: 29625 Pacific Hwy SO Date of Testing/Servicing: 1/10/2014

D. In - Tank Gauging/ SIR Equipment

☐ Check this box if tank gauging is used only for inventory control.
☐ Check this box if no tank gauging or SIR equipment is installed.

This section must be completed if in-tank gauging equipment is used to perform leak detection monitoring.

☒ Yes	☐ No*	Has all input wiring been inspected for proper entry and termination, including testing for ground faults?
☒ Yes	☐ No*	Were all tank gauging probes visually inspected for damage and residue build-up?
☒ Yes	☐ No*	Was accuracy of system product level readings tested?
☒ Yes	☐ No*	Was accuracy of system water level readings tested?
☒ Yes	☐ No*	Were all probes reinstalled properly?
☒ Yes	☐ No*	Were all items on the equipment manufacturer's maintenance checklist completed?

***In section G below, describe how and when these deficiencies were or will be corrected.**

E. Line Leak Detectors (LLD):

Complete the following checklist: ☐ Check this box if LLD's are not installed

☒ Yes	☐ No*	For equipment start-up or annual equipment certification was a leak simulated to verify LLD performance? *(Check all that apply)* Simulated leak rate: ☐ 3 g.p.h (1); ☐ 0.1 g.p.h. (2.); ☐ 0.2 g.p.h. (2.).
	☐ N/A	Notes: 1. Required for equipment start-up certification and annual certification. 2. Unless mandated by local agency, certification required only for electronic LLD Startup.
☒ Yes	☐ No*	Were all LLD's confirmed operational and accurate within regulatory requirements?
☒ Yes	☐ No*	Was the testing apparatus properly calibrated?
☒ Yes	☐ No*	For mechanical LLD's, does the LLD restrict product flow is it detects a leak?
	☐ N/A	
☐ Yes	☐ No*	For electronic LLD's, does the turbine automatically shut off if the LLD detects a leak?
	☒ N/A	
☐ Yes	☐ No*	For electronic LLD's, does the turbine automatically shut off if any portion of the monitoring system is disabled or disconnected?
	☒ N/A	
☐ Yes	☐ No*	For electronic LLD's, does the turbine automatically shut off if any portion of the monitoring system is malfunctions or fails a test?
	☒ N/A	
☐ Yes	☐ No*	For electronic LLD's, have all accessible wiring connections been visually inspected?
	☒ N/A	
☒ Yes	☐ No*	Were all items on the equipment manufacturer's maintenance checklist completed?

***In section G below, describe how and when these deficiencies were or will be corrected.**

F. Certification - I certify that the equipment identified in this document was inspected/serviced in accordance with the manufacturer's guidelines. Attached to this Certification is information (e.g. manufacturers' checklist) necessary to verify that this information is correct. For any equipment capable of generating such reports, I have also attached a copy of the: *(Check all that apply)*

G. Comments

☒ System set-up ☒ Alarm History Report

Technician Name: Mike Wertz Signature: Digitally signed by Mike Wertz

Mfg. Cert.#: B35175 ICC# 8155174-U3 License No.: B35175

Testing Company Name: SME Solutions, LLC. Phone No.: (253) 572-3822

Testing Company Address: 2302 A St., Tacoma, WA 98402 Date of Testing/Servicing: 1/10/2014

SME SOLUTIONS, LLC

6015 E Valleyway Ave
Spokane, WA 99212
(253) 572-3822

2302 A Street
Tacoma, WA 98402
(253) 572-3822

2800 NW 31st Ave
Portland, OR 97210
(503) 946-0000

Mechanical Leak Detector Test Data Sheet

Site Name Shell Date 1/10/2014

Address 29625 Pacific Hwy So

Federal Way WA

Test Information

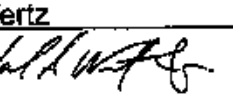
	1	2	3	4	5
Product	Unleaded	Premium	Diesel		
Manufacturer	VMI	VMI	Red Jacket		
Model	LD2200	LD2200	FX2DV		
Full Operating Pressure (PSI)	28	28	30		
Line Bleed Back (ml)	110	100	130		
Trip Time (sec)	6	3	4		
Metering Pressure (PSI)	14	12	12		
F/E Holding Pressure (PSI)	22	20	22		
Test Leak Rate (ml/min)(gph)	3 GPH	3 GPH	3 GPH		
PASS or FAIL	**PASS**	**PASS**	**PASS**		

Comments

This letter certifies that the annual leak detector tests were performed at the above referenced facility according to the equipment manufacturers procedures and limitations and the results as listed are to my knowledge true and correct. The mechanical leak detector test pass/fail is determined using a low flow threshold trip rate of 3 gph at 10 PSI.

Inspected By: Contractor SME Solutions LLC

Technician Mike Wertz Lic# 8155174-U3

Signature  Digitally signed by Mike Wertz

Washington Oregon Gasoline Vapor Control Committee

This form will be accepted by any State or Local Air Pollution Agency requiring compliance testing on gas station vapor recovery equipment within the states of Washington or Oregon

For Agency Use Only
Reviewed by: _____
Date: _____
☐ Passed ☐ Failed
(Attach reasons for test failure to this form)

Pressure Decay Test CARB Test Procedure TP-201.3 or Procedure in CARB Executive Order for Stage 2 Equipment

Station Name: Shell
Air Agency Registration No.:
Address: 29625 Pacific Hwy So
City, State, Zip: Federal Way WA

Testing Company Name: SME Solutions, LLC
Date/Time of Test: 1.10.2014
Address: 2302 A Street
Phone No.: 253-572-3822
City, State, Zip: Tacoma, WA. 98402

Type of Stage 1: ☐ Coaxial ☑ Dual Point
Type of Stage 2 system: ☐ Balance ☐ Tokheim ☐ Wayne ☐ OPW ☑ Gilbarco ☐ Healy ☐ Other: _____
Tanks Manifolded? Yes ☑ No ☐ **Total Nozzles:** 24 **Tested with vapor cap:** ON ☐ or OFF ☑

	Tank #1	Tank #2	Tank #3	Tank #4	Total if Manifolded
Number of Nozzles:					
Capacity:	12000	4000	10000		26000
Gasoline Volume:	7588	2526	2799		12913
Ullage:	4412	1474	7201		13087
Percent Ullage:	% 37%	% 37%	% 72%	%	% 50%

Minimum total ullage for each tank must be 1,000 gallons or 25% of tank capacity

Maximum total ullage from manifolded (all) tanks must not exceed 25,000 gallons

Date Test Equipment Calibrated: 7-2012

Test Results

	If Manifolded	Non-Manifolded Tank #1	Tank #2	Tank #3	Tank #4
Initial Pressure	2.0" H2O	2.0" H2O	2.0" H2O	2.0" H2O	2.0" H2O
Pressure after 1 minute	" H2O 2	" H2O	" H2O	" H2O	" H2O
Pressure after 2 minutes	" H2O 2	" H2O	" H2O	" H2O	" H2O
Pressure after 3 minutes	" H2O 1.98	" H2O	" H2O	" H2O	" H2O
Pressure after 4 minutes	" H2O 1.97	" H2O	" H2O	" H2O	" H2O
Pressure after 5 minutes	" H2O 1.95	" H2O	" H2O	" H2O	" H2O

Allowable pressure from table (TP-201.3 or Applicable CARB Exec Exhibit #): 1.91
Allowable pressure calculated (Formulas on back): 1.91

Person conducting the test:
Mike Wertz — *Print Name*
Digitally signed by Mike Wertz — *Signature*
1.10.2014 — *Date*

Tank owner or authorized representative:
MANJINDER SINGH — *Print Name*
Signature
1/10/2014 — *Date*

WOGVACC Air To Liquid Ratio Test LCV:PSAPCA Updated 2/23/98

Formulas

1 Calculating Results

1.1 Allowable Pressures for Balance Systems

For Phase II Balance systems, the allowable five-minute final pressure, with an initial pressure of two inches (2.0) of water column, shall be calculated as follows:

$P_f = 2e^{-760.490/V}$ If N = 1-6

$P_f = 2e^{-792.196/V}$ If N = 7-12

$P_f = 2e^{-824.023/V}$ If N = 13-18

$P_f = 2e^{-855.974V}$ If N = 19-24

$P_f = 2e^{-888.047/V}$ If N = 24

Where:

N = The number of affected nozzles:

For manifold systems, N equals the total number of nozzles.

For dedicated plumbing configurations, N equals the number of nozzles serviced by the tank being tested.

P_f = The minimum allowable five-minute final pressure, inches H_20

V = The total ullage affected by the test, gallons

e = A dimensionless constant approximately equal to 2.718

2 = The initial starting pressure, inches H_20

1.2 Allowable Pressures for Assist Systems

For Phase II Vacuum Assist Systems, the allowable five-minute final pressure, with an initial pressure of two inches (2.0) of water column, shall be calculated as follows:

$P_f = 2e^{-500.887/V}$ If N = 1-6

$P_f = 2e^{-531.614/V}$ If N = 7-12

$P_f = 2e^{-562.455/V}$ If N = 13-18

$P_f = 2e^{-593.412/V}$ If N = 19-24

$P_f = 2e^{-624.483/V}$ If N = 24

Washington Oregon Gasoline Vapor Control Committee

This form will be accepted by any State or Local Air Pollution Agency requiring compliance testing on gas station vapor recovery equipment within the states of Washington or Oregon

For Agency Use Only

Reviewed by: _____

Date: _____

☐ Passed ☐ Failed

(Attach reasons for test failure to this form)

Determination of Vapor Piping Connections (Tie-Tank Test) TP-201.3C

Station Name: Shell	Air Agency Registration No.:
Address: 29625 Pacific Hwy So	
City, State, Zip: Federal Way WA	
Testing Company Name: SME Solutions, LLC	Date/Time of Test: 1/10/2014
Address: 2302 A St.	Phone No.: 253-572-3822
City, State, Zip: Tacoma, WA. 98402	

The Tie-tank test is a pass fail test used to determine if all gasoline storage tanks are manifolded together. Diesel tank must not be manifold with the gasoline tanks. All tanks that service a stage 2 system must be manifold in order for the vapor recovery system to operate properly.

Option 1:

1) Remove dust cap from one stage 1 vapor adaptor. Introduce nitrogen at a stage 2 riser at the rate of 100 SCFH (boolless nozzles = 60 SCFH).

2) Briefly open the dry breaks on each tank (one at a time)

3) Is pressure relieved on each tank about the same

Option 2

1) Pressurize a tank to 2.10"WC and test the pressure in each tank using a pressure gauge on each vapor riser adaptor.

2) Is pressure readings from each tank about the same

Option 3

1) After conducting a pressure decay test, while the tanks are still pressurized.

2) Briefly open the dry breaks on each tank (one at a time) — YES

3) Is pressure relieved from each tank about the same — PASS

If the answer is yes, using the above options, then the tanks have passed the tie-tank test.

Comments:

Mike Wertz	Digitally signed by Mike Wertz	1/10/2014
Print Name	*Signature*	*Date*

Tank owner or authorized representative:

MANDINDER SINGH		1/10/2014
Print Name	*Signature*	*Date*

Washington Oregon Gasoline Vapor Control Committee

This form will be accepted by any State or Local Air Pollution Agency requiring compliance testing on gas station vapor recovery equipment within the states of Washington or Oregon

For Agency Use Only

Reviewed by: _____

Date: _____

☐ Passed ☐ Failed

(Attach reasons for test failure to this form)

Static Torque of Rotatable Stage 1 Adaptors

Station Name: Shell	Air Agency Registration No.:
Address: 29625 Pacific Hwy So	
City, State, Zip: Federal Way WA	

Testing Company Name: SME Solutions, LLC	Date/Time of Test: 1.10.2014
Address: 2302 A Street	Phone No.: 253-572-3822
City, State, Zip: Tacoma, WA. 98402	

Measurement Units: ☑ pound-inches ☐ pound-feet

Vapor Adaptor 1	Vapor Adaptor 2	Vapor Adaptor 3	Vapor Adaptor 4
☑ Adaptor torqued to riser per manufacturer spec.	☑ Adaptor torqued to riser per manufacturer spec.	☑ Adaptor torqued to riser per manufacturer spec.	☐ Adaptor torqued to riser per manufacturer spec.
360° ☑ PASS ☐ FAIL	360° ☑ PASS ☐ FAIL	360° ☑ PASS ☐ FAIL	360° ☐ PASS ☐ FAIL
Brand: OPW	Brand: OPW	Brand: OPW	Brand: OPW
Model: 61 VSA	Model: 61 VSA	Model: 61 VSA	Model: 61 VSA
Grade: Unleaded	Grade: Unleaded	Grade: Super	Grade: Diesel
Torque 1: 85	Torque 1: 85	Torque 1: 90	Torque 1: 75
Torque 2: 8	Torque 2: 90	Torque 2: 95	Torque 2: 75
Torque 3: 85	Torque 3: 90	Torque 3: 90	Torque 3: 80
Average: 85.00	Average: 88.33	Average: 91.67	Average: 76.67

Product Adaptor 1	Product Adaptor 2	Product Adaptor 3	Product Adaptor 4
☐ Adaptor torqued to riser per manufacturer spec. 360° ☐ PASS ☐ FAIL	☐ Adaptor torqued to riser per manufacturer spec. 360° ☐ PASS ☐ FAIL	☐ Adaptor torqued to riser per manufacturer spec. 360° ☐ PASS ☐ FAIL	☐ Adaptor torqued to riser per manufacturer spec. 360° ☐ PASS ☐ FAIL
Brand: OPW	Brand: OPW	Brand: OPW	Brand: OPW
Model: 61SALP	Model: 61SALP	Model: 61SALP	Model: 61SALP
Grade: Unleaded	Grade: Unleaded	Grade: Super	Grade: Diesel
Torque 1: 65	Torque 1: 75	Torque 1: 70	Torque 1: 75
Torque 2: 70	Torque 2: 75	Torque 2: 70	Torque 2: 70
Torque 3: 70	Torque 3: 75	Torque 3: 70	Torque 3: 75
Average: 68.33	Average: 75.00	Average: 70.00	Average: 73.33

Mike Wertz
Print Name

Digitally signed by Mike Wertz
Signature

1.10.2014
Date

Tank owner or authorized representative:

MANJINDER SINGH
Print Name

Signature

1/10/14
Date

Washington Oregon Gasoline Vapor Control Committee

This form will be accepted by any State or Local Air Pollution Agency requiring compliance testing on gas station vapor recovery equipment within the states of Washington or Oregon

For Agency Use Only
Reviewed by: _____
Date: _____
☐ Passed ☐ Failed
(Attach reasons for test failure to this form)

Back Pressure Tests (Wet/Dry) CARB Test Procedure TP-201.4

Station Name: Shell	Air Agency Registration No.:
Address: 29625 Pacific HWY SO	
City, State, Zip: Federal Way WA	

Testing Company Name: SME Solutions, LLC	Date/Time of Test: 1.10.2014
Address: 2302 A Street	Phone No.: 253-572-3822
City, State, Zip: Tacoma, WA. 98402	

Allowed back pressure for: Vapor Balance : **Nozzle** 0.35 60 CFH 0.62 80 CFH **Riser** 0.05 60 CFH

Vacuum Assist: **Riser** 0.5* 60 CFH

* EO G-70-165 Max allowable pressure drop 0.02 "H_2O Column at 60 CFH.

From: ☐ CARB Executive Order #: _____ or ☐ CARB Test Procedure TP-201.4

Nitrogen introduced at: ☐ Nozzle ☑ Riser

Did Test Procedure include Fuel Dispensing? ☐ Yes ☐ No

Vapor Valve located: ☐ In Nozzle ☑ External

Date Test Equipment Calibrated: 10-2013

All underground vapor lines must be tested Test must be conducted wet and dry.

Wet/Dry?:	Riser /Pump Number	GasGrade	Nozzle No.	Test Time (Min:Sec)	Back pressure in WC at a flow rate of: 60 CFH	80 CFH
Wet	3/4	MPD	All	60 Sec	.02 " H2O	" H2O
Wet	7/8	MPD	All	60 Sec	.01 " H2O	" H2O
					" H2O	" H2O
					" H2O	" H2O
					" H2O	" H2O
					" H2O	" H2O

Person conducting the test:

Mike Wertz — *Print Name*

Digitally signed by Mike Wertz — *Signature*

1/10/2014 — *Date*

Tank owner or authorized representative:

MANJINDER SINGH — *Print Name*

Manjinder Singh — *Signature*

1/10/14 — *Date*

Site Name and Address:		TriTester	Test Firm Name and Address:	
Shell		CARB TP 201.5	SME Solutions, LLC	
29625 Pacific HWY SO		Air to Liquid Test	2302 A Street	
Federal Way WA		RESULTS REPORTING FORM	Tacoma, WA. 98402	
Air Agency Reg. #:			Phone:	(253) 572-3822
Test Date and Time:	Jan 10, 2014		Technician Name:	Mike Wertz
Meter Leak Tests			Signature:	Digitally signed by Mike Wertz
must not inflate in less t an 30 seconds.				
Pre-Test Leak Check Result	☒ Pass ☐ Fail	Calibration Date:		
Post-test Leak Check Result	☒ Pass ☐ Fail	Serial No:	Applicable CARB EO #	

Disp #	Gas Grade	Nozzle GPM		A/L	Pass Fail	Comment	Disp #	Gas Grade	Nozzle GPM		A/L	Pass Fail	Comment
1	Regular	9.95		1.17	Pass	OPW 11VAI 27	7	Regular	9.89		1.05	Pass	OPW 11VAI 27
1	Plus	8.72		1.13	Pass	OPW 11VAI 27	7	Plus	9.15		1.07	Pass	OPW 11VAI 27
1	Super	9.74		1.02	Pass	OPW 11VAI 27	7	Super	9.92		1.00	Pass	OPW 11VAI 27
2	Regular	9.57		1.19	Pass	OPW 11VAI 27	8	Regular	9.37		1.09	Pass	OPW 11VAI 27
2	Plus	9.15		1.17	Pass	OPW 11VAI 27	8	Plus	9.13		1.07	Pass	OPW 11VAI 27
2	Super	9.37		1.20	Pass	OPW 11VAI 27	8	Super	9.26		1.01	Pass	OPW 11VAI 27
3	Regular	9.82		1.10	Pass	OPW 11VAI 27							
3	Plus	9.04		1.07	Pass	OPW 11VAI 27							
3	Super	9.84		1.16	Pass	OPW 11VAI 27							
4	Regular	10.0		1.02	Pass	OPW 11VAI 27							
4	Plus	8.93		1.04	Pass	OPW 11VAI 27							
4	Super	9.71		1.13	Pass	OPW 11VAI 27							
5	Regular	9.60		1.03	Pass	OPW 11VAI 27							
5	Plus	9.10		1.01	Pass	OPW 11VAI 27							
5	Super	9.55		1.00	Pass	OPW 11VAI 27							
6	Regular	9.95		1.07	Pass	OPW 11VAI 27							
6	Plus	9.26		1.08	Pass	OPW 11VAI 27							
6	Super	9.07		1.02	Pass	OPW 11VAI 27							

Willoughby, Mark (ECY) UST #8504

From: Willoughby, Mark (ECY)
Sent: Tuesday, February 10, 2015 11:48 AM
To: 'RAIANDTIWANA@NETZERO.COM'
Subject: UST#8504
Attachments: Preparing for an UST Inspection.docx; Operator Training Focus Sheet.docx; Class C Operator Training Log.docx; Emergency Signage for UST Sites.docx; Emergency Sign Example.pdf

Importance: High

Hello Mr. Singh,
As confirmed on the phone, I will be conducting a Tank Site Inspection on March 3, 2015 at 0900 AM (+/- 30 min) at your site located at 29625 Pacific HWY S Federal Way, WA 98003.

I attached the following documents to help you prepare for the inspection:

- A focus sheet on Preparing for an UST Inspection.
- A focus sheet on Operator Training.
- Class C Operating Training Log.
- A focus sheet on Emergency Signage (This new regulation went into effect October 1, 2012- WAC-173-360-750).
- An example of the Emergency Sign.

Based on the tank registration information the owner provided to the Dept. of Ecology, I have highlighted key paperwork in the Preparing for an UST Inspection Sheet. You will need to have these documents available during the inspection. Have someone available to open all heavy tank manways, fill ports, and dispenser panels. Thank you, and call me if you have any questions.

Mark Willoughby
Underground Storage Tank Inspector
Dept. of Ecology - NWRO: Toxic Clean Up/UST
Work (425) 649-7109
Fax (425) 649-7161
marw461@ecy.wa.gov

DEPARTMENT OF ECOLOGY
State of Washington

State of Washington Department of Ecology

UST Site Inspection

Inspection Date: 4-2-2013 Time: 1000 Inspector(s): Brenda Yaeger

Inspection Type: *(circle)* (UST Comp) *Tech. Assist.* *Follow-up* *Other*

Site Name: Shell Mini Mart	UST #: 8504
Address: 29625 Pacific Hwy S	Site Contact: Ranjit
City: Federal Way	Phone: 2539411611

Tank #	Gallons	Fuel Type	Tank Model (i.e. STI-P3, Xerxes)	Compartment/Manifold
5	10	Unl	Steel Clad w/ Corr Resist	
6	8	✓	✓	master slave
7	12K	✓	✓	12/8
8	8			

Fuel Distributor:	Distr. Phone:

I. RECORDKEEPING REQUIREMENTS

A. General Documents:

	Compliant?		
1. TAG visible to distributor: (TAG # 43797) WAC 173-360-130(4)	(Y)	N	N/A
2. MBL compliant: (UBI# 602527602) (exp. date 8-31-13) WAC 173-360-130(2)(d)	(Y)	N	N/A
3. Fin. Resp. in compliance: *(circle)* Insur. co. self-insur. state/fed. WAC 173-360 Part IV	(Y)	N	N/A
Tank Insurance Co. Colony Expiration Date 11-2-2013			

B. Tank and Line Corrosion Protection:

Tank Material *(circle)* Steel Coated Steel FRP (Steel Clad w/ Corr Resist)
Single-Wall (Double-Wall)

Tank Corr. Prot. *(circle)* Galvanic Impr Curr Int. Lining (Corr Resist)

Piping Material *(circle)* Steel (FRP) Flex
Single-Wall (Double-Wall)

Piping Corr. Prot. *(circle)* Galvanic Imp. Curr. (Corr. Resist)

Interior lining install date ____ Int. Lining inspection date ____			
4. Interior lining meets 10 & 5 yr. inspection frequency: WAC 173-360-310(2)(a)(ii)	Y	N	(N/A)
5. Interior lining inspection has Pass or equivalent results: WAC 173-360-310(2)(a)(ii)	Y	N	(N/A)
Cath. Prot. Test date ____ for: *(circle)* Steel Tank(s) Steel Line(s)			
6. Cathodic Protection test frequency in compliance: WAC 173-360-320(2)(a)	Y	N	(N/A)
7. CP test has Passing or equivalent results: WAC 173-360-320(1)	Y	N	(N/A)
8. Records indicate tanks and piping are corrosion protected: WAC173-360-305/310	(Y)	N	N/A

C. Tank Inventory Control is conducted: *(circle)* Daily Weekly Monthly

9. Inventory control is performed correctly: WAC 173-360-345(6)(a)/(b)/(c	Y	N	(N/A)
10. Tanks do not exceed 10 yr. limit for inventory control: WAC 173-360-345(2)	Y	N	(N/A)
Tank(s) met corrosion protection requirements (date) ____			
11. Tank tight. test frequency compliant: (last date ____) WAC 173-360-345(5)/(6)(a)(b)(c)	Y	N	(N/A)

D. Tank Monthly monitoring: *(circle)* ATG Vapor GW (Interstitial SIR) Other

12. Rel. Det. Method is checked or conducts test monthly: WAC 173-360-335(2)(a)	(Y)	N	N/A
13. Equip. service checks per mnfctr's instruct.: (date 1-10-13) WAC 173-360-335(1)(b)	(Y)	N	N/A
14. SIR Vendor (____) records and frequency compliant: WAC 173-345(6)(i)	Y	N	(N/A)

Comments: Good Site !!

Ecology is an Equal Opportunity Employer. If you require special accommodations or need this document in an alternate format, please contact the Toxics Cleanup Program at (360) 407-7170. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call (877) 833-6341.

UST Site Inspection (cont.) UST # 8504 Insp. Date 4-2-2013

I. RECORDKEEPING REQUIREMENTS (cont.)

Compliant?

E. Piping Pumping System: *(circle) Pressure Suction(Tank) Suction(Pump) Other*

15. Pressure Lines have annual **ALLD** test: (date 1-10-13) WAC 173-360-350(3)(a)	Y	N	N/A
ALLD Type: *(circle) Manual Electronic*			
16. Pressurized Lines use *(circle) Annual Line TT Elec. ALLD Line TT Vapor GW Interstitial SIR Other*			
17. Press. Lines annual line tight. test compliant: (date 1-10-13) WAC 173-360-350(3)(b)	Y	N	N/A
18. Press. Lines Elec. ALLD tight. test compliant: (date _____) WAC 173-360-350(3)(b)	Y	N	N/A
19. Pressure Lines VM, GWM, Interstitial, or SIR compliant: WAC 173-360-350(3)(c)	Y	N	N/A
20. Int. sump sensor service check per mnftr's instruct: (date 1-10-13) WAC 173-360-335(1)(b)	Y	N	N/A
21. Suction Line (tank valve) 3 yr. Tight. Test: (date _____) WAC 173-360-350(2)(b)	Y	N	N/A
22. Suction Line (tank valve) VM, GW, Intst. or SIR compliant: WAC 173-360-350(2)(b)	Y	N	N/A

II. EQUIPMENT CHECKS

A. Rectifier for Impressed Current System:

23. Imp. Curr. system operated and maintained continuously: WAC 173-360-320(1)	Y	N	N/A
24 Imp. Curr. system inspected every 60 days: WAC 173-360-320(3)	Y	N	N/A
25. Imp. Curr. Amp/Volt readings within specified range: WAC 173-360-320(3)	Y	N	N/A
Readings: Amp _____ Volt _____ Meter/Clock _____			
Rectifier Model _____ Install Date _____			

B. Monthly monitoring: *(circle) ATG Vapor GW Interstitial SIR Other*

Release Detection Model VR TLS350			
26. Rel. Det. Equip. is **NOT** in alarm: WAC 173-360-335(1)(b)	Y	N	N/A
If no, why is it in alarm _____			
27. Rel. Det. equipment and/or alarms operational : WAC 173-360-335(1)(b)	Y	N	N/A
28 Rel. Det. equipment printer or modem operational: WAC 173-360-335(1)(b)	Y	N	N/A
29. Vapor or GW MWs placed around tanks and piping runs: WAC 173-360-335(1)(a)	Y	N	N/A

C. Lines:

30. Pressurized Lines ALLD is present: WAC 173-360-350(3)(a) ////	Y	N	N/A
31. Corr. Res. lines verified: *(circle) at sump at dispenser records* WAC 173-360-305(2)	Y	N	N/A
32. Interstitial Line sump sensors are placed correctly: WAC 173-360-335(1)(a)	Y	N	N/A
33. Turbine Sumps are free of liquid: WAC 173-360-335(1)(b)	Y	N	N/A

D. Spill/Overfill:

34. Spill Bucket does **NOT** have obvious cracks, holes. WAC 173-360-305(3)(a)(i) ////	Y	N	N/A
35. Overfill device used: *(circle) Auto-Shut. Alarm Ball-float* WAC 173-360-305(3)(a)(ii)	Y	N	N/A
36. Overfill auto. shut-off device is **NOT** tampered with: WAC 173-360-305(3)(a)(ii)(A)	Y	N	N/A
37. Overfill alarm set at 90% and audible to delivery driver: WAC173-360-305(3)(a)(ii)(B)	Y	N	N/A
38. Overfill ball-float valve present: *(circle) visual records* WAC 173-360-305(3)(a)(ii)(B)	Y	N	N/A

Comments: _____

Significant Operational Compliance with Overspill/Overfill/Corr. Prot.: Y N N/A
Significant Operational Compliance with Release Detection: Y N N/A

____Photos Taken ___Tech. Assist. Materials Provided (_____)
____Action Taken: *(circle) Notice of Noncompliance* *Field Citation#* _____

Inspector Signature _____ **Date** 4-2-2013

SHELL MINI MART
29625 PACIFIC HWY S
FEDERAL WAY, WA
253-941-1611

APR 2, 2013 9:02

SYSTEM STATUS REPORT

ALL FUNCTIONS NORMAL

SHELL MINI MART
29625 PACIFIC HWY S
FEDERAL WAY, WA
253-941-1611

APR 2, 2013 9:02

SYSTEM STATUS REPORT

ALL FUNCTIONS NORMAL

INVENTORY REPORT

T 1:UNLEADED MASTER
VOLUME = 6848 GALS
ULLAGE = 5184 GALS
90% ULLAGE= 3980 GALS
TC VOLUME = 6886 GALS
HEIGHT = 53.08 INCHES
WATER VOL = 19 GALS
WATER = 0.94 INCHES
TEMP = 51.9 DEG F

T 2:UNLEADED SYPHON
VOLUME = 2276 GALS
ULLAGE = 1734 GALS
90% ULLAGE= 1333 GALS
TC VOLUME = 2288 GALS
HEIGHT = 52.97 INCHES
WATER VOL = 3 GALS
WATER = 0.66 INCHES
TEMP = 52.1 DEG F

T 3:PREMIUM
VOLUME = 2467 GALS
ULLAGE = 7685 GALS
90% ULLAGE= 6669 GALS
TC VOLUME = 2481 GALS
HEIGHT = 27.96 INCHES
WATER VOL = 16 GALS
WATER = 0.94 INCHES
TEMP = 51.5 DEG F

T 4:DIESEL
VOLUME = 1803 GALS
ULLAGE = 6218 GALS
90% ULLAGE= 5415 GALS
TC VOLUME = 1803 GALS
HEIGHT = 26.51 INCHES
WATER VOL = 7 GALS
WATER = 0.63 INCHES
TEMP = 52.2 DEG F

MANIFOLDED TANKS
INVENTORY TOTALS
T 1:UNLEADED MASTER
T 2:UNLEADED SYPHON
VOLUME = 9124 GALS
TC VOLUME = 9174 GALS

***** END *****

8504

Richardson, Cathie (ECY)

From: Richardson, Cathie (ECY)
Sent: Wednesday, March 06, 2013 4:45 PM
To: 'raiandtiwana@netzero.com'
Cc: Yager, Brenda (ECY)
Subject: UST Inspection 8504
Attachments: preparing UST_2011.pdf; Signage Focus Sheet Nov 20 final_with all edits.pdf

Please confirm this email/inspection

3/7 Mr. Singh confirmed by phone + said resent it in email. We are having email issues

[redacted] ecology

March 6, 2013

Mr. Manjinder Singh
Shell Mini Mart
29625 Pacific Hwy S
Federal Way

Re: Underground Storage Tank Inspection 8504

Dear Mr. Singh:

Please contact the inspector for all questions or concerns regarding the inspection. The Department of Ecology inspector performing your inspection is:
Brenda Yager
email: byag461@ecy.wa.gov
phone number is 425-649-7234
cell # 425-495-1646.

This information is to help prepare you for an upcoming Underground Storage Tanks (UST) Inspection(s). I have included a link for an information sheet titled "Preparing for an Underground Storage Tank Inspection" which gives an overview of the inspection and basic preparation for the inspection.
https://fortress.wa.gov/ecy/publications/publications/1009047.pdf **for more information.**

The inspection is scheduled for **Tuesday April 2nd at 10:00 a.m.**
Shell Mini Mart
29625 Pacific Hwy S
Federal Way

Some owners hire their tank service provider to be present during the inspection to open all the necessary equipment. Some owners find it difficult to open the large metal manways above the turbines. Appropriate tools must be used to safely open and lift the heavy manways. Ecology inspectors will not open the equipment. Be sure you have the keys to open the dispenser panels and fill ports.

The Department of Ecology will require verification of paperwork (e.g., Master Business License, Insurance, testing) and access into the turbine sump and dispensers, so please have those items available at the time of the inspection.

Sincerely,

Cathie Richardson
Underground Tanks Case Developer

Cathie Richardson | Case Developer/Toxic Cleanup| 425-649-7135| fax: 425-649-7161 | cari461@ecy.wa.gov

KURO-King
UST# 8504
FS 79813564

RECEIVED
JAN 20 2011
Dept Of Ecology
Toxics Cleanup Program

Underground Storage Tank Tightness Testing Checklist

The attached Underground Storage Tank (UST) checklist is required for activity listed above. This checklist certifies that the Tightness Testing activities are performed and conducted in accordance with Chapter 173-360 WAC.

See back of form for instructions.

1. UST SYSTEM LOCATION AND OWNER

UBI Number: 602 527 602 (UBI # from Master Business License) Site ID Number: A3797 (Available from Ecology if tank is Registered)

Site/Business Name: Shell

Site Address: 29625 Pac Hwy So (Street) (County)
Federal Way WA 98003 (City, State, Zip+4 required)

Telephone:

UST Owner/Operator: Manjinder Singh

Mailing Address: 29625 Pacific Hwy So, (Street, P.O. Box)
Federal Way, WA, 98003 (City, State, Zip+4 required)

Telephone: 253-941-1611

2. FIRM PERFORMING WORK

Service Company: sme Solutions

Service Co. Address: 2302 "A" St (Street)
Tacoma WA (City, State, Zip+4 required)

Certified Supervisor: mike wertz

Address: Same As Above (Street, P.O. Box)
(City, State, Zip+4 required)

ICBO Certification Number: 5130318-03 Certification Issue Date (Month/Year): 8/09

Telephone: 253 572 3822

Ecology is an equal opportunity employer.
For special accommodation needs, please contact the Underground Storage Tanks Section at (360) 407-7170, 1-(800) 833-6388 or TTY.

2/16/11

8504

Checklist Instructions

After completing these checklist(s), return to: Underground Storage Tank Section
Department of Ecology
P.O. Box 47655
Olympia, WA 98504-7655

Please Read Carefully

Checklist(s) are to be completed by a Certified UST Supervisor and submitted to Ecology within 30 days of the tank work being performed.

On each checklist, complete the Site ID number and/or the UBI number, site address and site city on each page. Submit the cover sheet that contains the site and owner information with the checklist. The checklist should show all tank information that was worked on. Be sure that the Owner or the Authorized Representative AND Certified Supervisor sign the appropriate checklist.

The Owner/Operator is responsible for ensuring that the work is performed and that the checklist(s) are submitted to Ecology.

Cover Sheet

Site and Owner Information
Fill in the site and owner information. Include the Ecology Site ID number, if known, and/or UBI number (Uniform Business Identification) from the master business license. Also be sure to provide telephone numbers so that any problems can be resolved quickly.

Firm and Certified Supervisor Information
List the firm performing the work as well as the Certified Supervisor's name and Certification Number. Ask to see the Supervisor's Tightness Testing ICBO Certification and make sure that the Supervisor signs the appropriate checklist for work performed.

Please Note: Individuals performing services MUST be certified by the International Code of Building Officials (ICBO), or other recognized association by which they demonstrate appropriate knowledge pertaining to USTs or have passed another qualifying exam approved by the Department.

Checklists

The **Tightness Testing Checklist** shall be completed and signed by a Certified Tightness Testing Supervisor. The supervisor shall be on site during all tank tightness testing activities. Up to four tanks per site may be reported on a single checklist; additional tanks will require additional checklists. A Tightness Testing Checklist must be completed for each UST system (tank and associated piping) being tested as well as following most retrofit repairs.

The tank owner or operator* must *report* a failed tightness test as *a suspected release* to UST staff *at the appropriate Ecology regional office within 24 hours.

Northwest	Southwest	Central	Eastern
(206) 649-7000	(360) 407-6300	(509) 574-2490	(509) 329-3400

White Copy (Ecology), Yellow Copy (Owner/Operator), Pink Copy (Service Provider)

Underground Storage Tank

Tightness Testing Checklist

Site ID #

Site Address shell
29625 Pac Hwy So
City Fed. Way, WA

For more than four UST systems, you may photocopy this form prior to completing.

I. TIGHTNESS TESTING METHOD Date of Test: 1-9-2011

1. Tightness testing method(s) used (indicate if more than one method was used):
   Test method name/version Petro-Tite
   Test method manufacturer Heath Consultants

Note: A tank must be tested up to the product level limited by the overfill prevention device. If an overfill prevention device is not installed, a tank must be tested up to the 95% full level. When underfill volumetric testing methods are used, the tank must be: 1) filled with product to the 95% full level or 2) the portion of the tank above the product level must be tested using a nonvolumetric method which meets performance standards for tightness testing.

2. Indicate the method used to determine if groundwater was present above the bottom of the tank during the test (required for single wall tanks): NA

3. Method used for release detection:
   - ☐ Weekly manual gauging
   - ☐ Daily manual inventory control
   - ☐ Automatic tank gauging (ATG)
   - ☐ Interstitial monitoring
   - ☒ Other (describe) CSLD

4. Reason for conducting tightness test:
   - ☒ Required for release detection requirement
   - ☐ Bring temporarily closed tanks back into service
   - ☐ Tank or piping repair
   - ☐ Other (describe) _____

5. Type of test conducted:
   - ☐ Tank tightness test only
   - ☐ Line tightness test only
   - ☐ Total system test (tank and lines tested together)
   - ☒ Leak Detectors

6. Test method type:
   - ☐ Overfill volumetric
   - ☐ Underfill volumetric
   - ☐ Nonvolumetric
   - ☒ Volumetric

II. TEST METHOD CHECKLIST

The following items shall be initialed by the Certified Supervisor whose signature appears on this form.

	Yes	No	NA*
1. Has the tightness testing method used been demonstrated to meet the performance standard specified in the UST rules for the conditions under which the test was conducted? (e.g., detecting a 0.10 gallon per hour leak rate with probability of detection of at least 95% and a probability of false alarm of no more than 5%).	☑	☐	☐
2. Have all written testing procedures developed by the manufacturer of the testing equipment and method been followed while the test was being set up and conducted?	☑	☐	☐
3. Was the product level in the tank during the test within the limitations of the test methods performance standards?	☑	☐	☐
4. If groundwater was present above the bottom of the tank, have the testing procedures accounted for its presence? (required for single wall tanks)	☐	☐	☑
5. If the tightness test is considered a failed test, has the owner/operator been notified of the test results? (Note: Tank owner must report a failed tightness test as a suspected release within 24 hours to UST staff at the appropriate Ecology regional office.)	☐	☐	☑

* Item not applicable

White Copy (Ecology), Yellow Copy (Owner/Operator), Pink Copy (Service Provider)

ECY 070-09 (03/03)

Site ID #

Site Address Shell
29625 Pac. Hwy So
City Federal Way

Tigl ...ess Testing Checklist (continued)

III. TA... INFORMATION CHECKLIST

	Tank 1	Tank 2	Tank 3	Tank 4
Tank ID # (tank name registered with Ecology)				
Date installed				
...nk capacity in gallons				
...ost substance stored				
Number of tank compartments				
Tank type: (S) single wall; (D) double wall; (P) partitioned				
...overfill device present? (Yes/No)	Floats	Floats	Floats	Floats
...rcentage of product in tank during test? ...lume % must comply with test method ...tification requirements)				
...he test method used can detect a leak of how many GPH?				
...he numerical tank test results are? (in gallons per hour)				
...ased on evaluating test results and conducting any ...esting as necessary as per test protocol to obtain ...nclusive test results; the test results are? (Pass/Fail)*				

IV. Li... ...rmation

	Line 1	Line 2	Line 3	Line 4
...ng type: (S) single wall; (D) double wall	D	D	D	
...mp type: (T) turbine; (S) suction	T	T	T	
... If turbine, is line leak detector present? (Yes/No) (1) If present, was lead seal intact? (Yes/No N/A) (2) Line leak detector results? (Pass/Fail) ... If suction, check valve located at? (T) tank (P) pump	yes n/a Pass n/a	yes n/a Pass n/a	yes n/a Pass n/a	
...e numerical line test results are? (in gallons per hour)	1	1	1	
...e tightness test results? (Pass/Fail)*	1	—	—	

* ...usive test results for tanks or piping will not be considered as a valid tightness test for the purposes of ...ying with UST release detection regulations.

V. R... ...ED SIGNATURES

I ...attest, that I have been the Certified Supervisor present during the above listed testing activities, and to the best ... ...owledge they have been conducted in compliance with all applicable state and federal laws, regulations and ...s, pertaining to underground storage tanks.

P... ...ubmitting false information are subject to formal enforcement and/or penalties under Chapter 173.360 WAC.

1-4-2011 — Signature of Certified Supervisor — Mike Wertz — Printed Name

1-13-2011 — Manjinder Singh — Signature of Tank Owner/Authorized Representative — MANJINDER SINGH — Printed Name

...) (03/03) *White Copy (Ecology), Yellow Copy (Owner/Operator), Pink Copy (Service Provider*

IN-TANK SETUP

T 1:UNLEADED MASTER
PRODUCT CODE : 1
THERMAL COEFF : .000690
TANK DIAMETER : 95.75
TANK PROFILE : 1 PT
FULL VOL : 12032

FLOAT SIZE: 4.0 IN.

WATER WARNING : 2.0
HIGH WATER LIMIT: 2.7

MAX OR LABEL VOL: 12032
OVERFILL LIMIT : 90%
: 10828
HIGH PRODUCT : 95%
: 11430
DELIVERY LIMIT % : 10%
: 1203

LOW PRODUCT : 501
LEAK ALARM LIMIT: 99
SUDDEN LOSS LIMIT: 99
TANK TILT : 0.00
PROBE OFFSET : 0.00

SIPHON MANIFOLDED TANKS
T#: 02
LINE MANIFOLDED TANKS
T#: NONE

LEAK MIN PERIODIC: 0%
: 0

LEAK MIN ANNUAL : 0%
: 0

PERIODIC TEST TYPE
STANDARD

ANNUAL TEST FAIL
ALARM DISABLED

PERIODIC TEST FAIL
ALARM DISABLED

GROSS TEST FAIL
ALARM DISABLED

ANN TEST AVERAGING: OFF
PER TEST AVERAGING: OFF

TANK TEST NOTIFY: OFF

TNK TST SIPHON BREAK:OFF

DELIVERY DELAY : 1 MIN
PUMP THRESHOLD : 10.00%

SHELL MINI MART
29625 PACIFIC HWY S
FEDERAL WAY, WA
253-941-1611

JAN 11, 2011 13:37

CSLD TEST RESULTS

JAN 11, 2011 13:37

T 1:UNLEADED MASTER
T 2:UNLEADED SYPHON
PROBE SERIAL NUM 237276

0.2 GAL/HR TEST
PER: JAN 11, 2011 PASS

T 3:PREMIUM
PROBE SERIAL NUM 271530

0.2 GAL/HR TEST
PER: JAN 11, 2011 PASS

T 4:DIESEL
PROBE SERIAL NUM 243007

0.2 GAL/HR TEST
PER: JAN 11, 2011 PASS

* * * * * END * * * * *

T 2:UNLEADED SYPHON
PRODUCT CODE : 2
THERMAL COEFF : .000690
TANK DIAMETER : 95.75
TANK PROFILE : 1 PT
FULL VOL : 4010

FLOAT SIZE: 4.0 IN.

WATER WARNING : 3.0
HIGH WATER LIMIT: 3.3

MAX OR LABEL VOL: 4010
OVERFILL LIMIT : 90%
: 3609
HIGH PRODUCT : 95%
: 3809
DELIVERY LIMIT : 10%
: 401

LOW PRODUCT : 167
LEAK ALARM LIMIT: 99
SUDDEN LOSS LIMIT: 99
TANK TILT : 0.00
PROBE OFFSET : 0.00

SIPHON MANIFOLDED TANKS
T#: 01
LINE MANIFOLDED TANKS
T#: NONE

LEAK MIN PERIODIC: 0%
: 0

LEAK MIN ANNUAL : 0%
: 0

PERIODIC TEST TYPE
STANDARD

ANNUAL TEST FAIL
ALARM DISABLED

PERIODIC TEST FAIL
ALARM DISABLED

GROSS TEST FAIL
ALARM DISABLED

ANN TEST AVERAGING: OFF
PER TEST AVERAGING: OFF

TANK TEST NOTIFY: OFF

TNK TST SIPHON BREAK:OFF

DELIVERY DELAY : 1 MIN
PUMP THRESHOLD : 10.00%

T 3:PREMIUM
PRODUCT CODE : 3
THERMAL COEFF :.000690
TANK DIAMETER : 95.75
TANK PROFILE : 1 PT
FULL VOL : 10152

FLOAT SIZE: 4.0 IN.

WATER WARNING : 3.0
HIGH WATER LIMIT: 3.5

MAX OR LABEL VOL: 10152
OVERFILL LIMIT : 90%
: 9136
HIGH PRODUCT : 95%
: 9644
DELIVERY LIMIT : 10%
: 1015

LOW PRODUCT : 422
LEAK ALARM LIMIT: 99
SUDDEN LOSS LIMIT: 99
TANK TILT : 0.00
PROBE OFFSET : 0.00

SIPHON MANIFOLDED TANKS
T#: NONE
LINE MANIFOLDED TANKS
T#: NONE

LEAK MIN PERIODIC: 0%
: 0

LEAK MIN ANNUAL : 0%
: 0

PERIODIC TEST TYPE
STANDARD

ANNUAL TEST FAIL
ALARM DISABLED

PERIODIC TEST FAIL
ALARM DISABLED

GROSS TEST FAIL
ALARM DISABLED

ANN TEST AVERAGING: OFF
PER TEST AVERAGING: OFF

TANK TEST NOTIFY: OFF

TNK TST SIPHON BREAK:OFF

DELIVERY DELAY : 1 MIN
PUMP THRESHOLD : 10.00%

T 4:DIESEL
PRODUCT CODE : 4
THERMAL COEFF : .000400
TANK DIAMETER : 96.00
TANK PROFILE : 1 PT
FULL VOL : 8021

FLOAT SIZE: 4.0 IN.

WATER WARNING : 2.8
HIGH WATER LIMIT: 3.0

MAX OR LABEL VOL: 8021
OVERFILL LIMIT : 90%
: 7218
HIGH PRODUCT : 95%
: 7620
DELIVERY LIMIT : 10%
: 802

LOW PRODUCT : 394
LEAK ALARM LIMIT: 99
SUDDEN LOSS LIMIT: 99
TANK TILT : 0.00
PROBE OFFSET : 0.00

SIPHON MANIFOLDED TANKS
T#: NONE
LINE MANIFOLDED TANKS
T#: NONE

LEAK MIN PERIODIC: 0%
: 0

LEAK MIN ANNUAL : 0%
: 0

PERIODIC TEST TYPE
STANDARD

ANNUAL TEST FAIL
ALARM DISABLED

PERIODIC TEST FAIL
ALARM DISABLED

GROSS TEST FAIL
ALARM DISABLED

ANN TEST AVERAGING: OFF
PER TEST AVERAGING: OFF

TANK TEST NOTIFY: OFF

TNK TST SIPHON BREAK:OFF

DELIVERY DELAY : 1 MIN
PUMP THRESHOLD : 10.00%

SHELL MINI MART
29625 PACIFIC HWY S
FEDERAL WAY, WA
253-941-1611

JAN 11, 2011 13:21

SYSTEM STATUS REPORT

ALL FUNCTIONS NORMAL

INVENTORY REPORT

T 1:UNLEADED MASTER
VOLUME = 4489 GALS
ULLAGE = 7543 GALS
90% ULLAGE= 6839 GALS
TC VOLUME = 4528 GALS
HEIGHT = 28.26 INCHES
WATER VOL = 20 GALS
WATER = 0.95 INCHES
TEMP = 47.3 DEG F

T 2:UNLEADED SYPHON
VOLUME = 1494 GALS
ULLAGE = 2516 GALS
90% ULLAGE= 2215 GALS
TC VOLUME = 1504 GALS
HEIGHT = 38.23 INCHES
WATER VOL = 5 GALS
WATER = 0.66 INCHES
TEMP = 49.9 DEG F

T 3:PREMIUM
VOLUME = 2653 GALS
ULLAGE = 7499 GALS
90% ULLAGE= 6483 GALS
TC VOLUME = 2674 GALS
HEIGHT = 29.46 INCHES
WATER VOL = 16 GALS
WATER = 0.95 INCHES
TEMP = 48.0 DEG F

T 4:DIESEL
VOLUME = 1474 GALS
ULLAGE = 6547 GALS
90% ULLAGE= 5744 GALS
TC VOLUME = 1478 GALS
HEIGHT = 22.97 INCHES
WATER VOL = 7 GALS
WATER = 0.64 INCHES
TEMP = 51.4 DEG F

MANIFOLDED TANKS
INVENTORY TOTALS
T 1:UNLEADED MASTER
T 2:UNLEADED SYPHON
VOLUME = 5983 GALS
TC VOLUME = 6032 GALS

* * * * * END * * * * *

UST # 8504

DEPARTMENT OF ECOLOGY
State of Washington

State of Washington Department of Ecology

UST Site Inspection

Inspection Date: 1/11/11 Time: 1215 Inspector(s): BCL

Inspection Type: *(circle)* UST Compl. Tech. Assist. Follow-up Other

Site Name: Shell Mini Mart		UST #: 8504	
Address: 29625 Pacific Hwy S		Site Contact: Manjinder Singh	
City: Federal Way WA 98003		Phone: (253) 638-7069	

Tank #	Gallons	Fuel Type	Tank Model (i.e. STI-P3, Xerxes)	Compartment/Manifold
1	12K		F/G	Tank 1 3 2
2	4K			~~Manifold~~
3	10K	-		(Split)
4	8K			

Fuel Distributor: Sun Pacific	Distr. Phone:

Rai an Tiwana LLC

I. RECORDKEEPING REQUIREMENTS

A. General Documents:

	Compliant?		
1. TAG visible to distributor: (TAG # A3797) WAC 173-360-130(4)	(Y)	N	N/A
2. MBL compliant: (UBI# 602 527 602 (1)) (exp. date 8/31/11) WAC 173-360-130(2)(d)	(Y)	N	N/A
3. Fin. Resp. in compliance: *(circle) insur. co. self-insur. state/fed.* WAC 173-360 Part IV	Y	(N)	N/A
Tank Insurance Co. Colony Expiration Date 11/2/2011			

B. Tank and Line Corrosion Protection:

N - 47°20'09.9"
W - 122°18'45.0"
Acc - 400

Tank Material *(circle)* ***Steel*** ***Coated Steel*** ~~***FRP***~~ ***Steel Clad w/ Corr Resist***
Single-Wall ***(Double-Wall)***

Tank Corr. Prot. *(circle)* ***Galvanic*** ~~***Impr Curr***~~ ***Int. Lining*** ***Corr Resist***

Piping Material *(circle)* ***Steel*** ***(FRP)*** ***Flex***
Single-Wall ***(Double-Wall)***

Piping Corr. Prot. *(circle)* ***Galvanic*** ***Imp. Curr.*** ***(Corr. Resist.)***

Interior lining install date Int. Lining inspection date			
4. Interior lining meets 10 & 5 yr. inspection frequency: WAC 173-360-310(2)(a)(ii)	Y	N	(N/A)
5. Interior lining inspection has Pass or equivalent results: WAC 173-360-310(2)(a)(ii)	Y	N	(N/A)
Cath. Prot. Test date _____ for: *(circle) Steel Tank(s) Steel Line(s)*			
6. Cathodic Protection test frequency in compliance: WAC 173-360-320(2)(a)	Y	N	(N/A)
7. CP test has Passing or equivalent results: WAC 173-360-320(1)	Y	N	(N/A)
8. Records indicate tanks and piping are corrosion protected: WAC173-360-305/310	(Y)	N	N/A

C. Tank Inventory Control is conducted: *(circle)* ***Daily*** ***Weekly*** ***Monthly***

9. Inventory control is performed correctly: WAC 173-360-345(6)(a)(b)/(c	Y	N	(N/A)
10. Tanks do not exceed 10 yr. limit for inventory control: WAC 173-360-345(2)	Y	N	(N/A)
Tank(s) met corrosion protection requirements (date)			
11. Tank tight. test frequency compliant: (last date _____) WAC 173-360-345(5)/(6)(a)(b)(c)	Y	N	(N/A)

D. Tank Monthly monitoring: *(circle)* ***(ATG)*** ***Vapor*** ***GW*** ***Interstitial*** ***SIR*** ***Other***

12. Rel. Det. Method is checked or conducts test monthly: WAC 173-360-335(2)(a)	(Y)	N	N/A
13. Equip. service checks per mnfctr's instruct.: (date _____) WAC 173-360-335(1)(b)	Y	N	(N/A)
14. SIR Vendor (_____) records and frequency compliant: ~~WAC 173-345(6)(i)~~	Y	N	(N/A)

Comments: Insurance Lists 3 tanks - 4 tanks

Ecology is an Equal Opportunity Employer. If you require special accommodations or need this document in an alternate format, please contact the Toxics Cleanup Program at (360) 407-7170. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call (877) 833-6341.

DEPARTMENT OF ECOLOGY
State of Washington

UST Site Inspection (cont.) UST # 8504 Insp. Date 1/11/11

I. RECORDKEEPING REQUIREMENTS (cont.)

	Compliant?		
E. Piping Pumping System: *(circle) Pressure Suction(Tank) Suction(Pump) Other*			
15. Pressure Lines have annual **ALLD** test: (date 1/27/10) WAC 173-360-350(3)(a)	Y	N	N/A
ALLD Type: *(circle) Manual Electronic*			
16. Pressurized Lines use *(circle) Annual Line TT Elec. ALLD Line TT Vapor GW Interstitial SIR Other*			
17. Press. Lines annual line tight. test compliant: (date 1/27/10) WAC 173-360-350(3)(b)	Y	N	N/A
18. Press. Lines Elec. ALLD tight. test compliant: (date _____) WAC 173-360-350(3)(b)	Y	N	N/A
19. Pressure Lines VM, GWM, Interstitial, or SIR compliant: WAC 173-360-350(3)(c)	Y	N	N/A
20. Int. sump sensor service check per mnftr's instruct: (date _____) WAC 173-360-335(1)(b)	Y	N	N/A
21. Suction Line (tank valve) 3 yr. Tight. Test: (date _____) WAC 173-360-350(2)(b)	Y	N	N/A
22. Suction Line (tank valve) VM, GW, Intst. or SIR compliant: WAC 173-360-350(2)(b)	Y	N	N/A

II. EQUIPMENT CHECKS

A. Rectifier for Impressed Current System:			
23. Imp. Curr. system operated and maintained continuously: WAC 173-360-320(1)	Y	N	N/A
24 Imp. Curr. system inspected every 60 days: WAC 173-360-320(3)	Y	N	N/A
25. Imp. Curr. Amp/Volt readings within specified range: WAC 173-360-320(3)	Y	N	N/A
Readings: Amp _____ Volt _____ Meter/Clock _____			
Rectifier Model _____ Install Date _____			

B. Monthly monitoring: *(circle) ATG Vapor GW Interstitial SIR Other*			
Release Detection Model VR TLS 350			
26. Rel. Det. Equip. is **NOT** in alarm: WAC 173-360-335(1)(b)	Y	N	N/A
If no, why is it in alarm			
27. Rel. Det. equipment and/or alarms operational : WAC 173-360-335(1)(b)	Y	N	N/A
28 Rel. Det. equipment printer or modem operational: WAC 173-360-335(1)(b)	Y	N	N/A
29. Vapor or GW MWs placed around tanks and piping runs: WAC 173-360-335(1)(a)	Y	N	N/A

C. Lines:			
30. Pressurized Lines ALLD is present: WAC 173-360-350(3)(a)	Y	N	N/A
31. Corr. Res. lines verified: *(circle) at sump at dispenser records* WAC 173-360-305(2)	Y	N	N/A
32. Interstitial Line sump sensors are placed correctly: WAC 173-360-335(1)(a)	Y	N	N/A
33. Turbine Sumps are free of liquid: WAC 173-360-335(1)(b)	Y	N	N/A

D. Spill/Overfill:			
34. Spill Bucket does **NOT** have obvious cracks, holes. WAC 173-360-305(3)(a)(i)	Y	N	N/A
35. Overfill device used: *(circle) Auto-Shut. Alarm Ball-float* WAC 173-360-305(3)(a)(ii)	Y	N	N/A
36. Overfill auto. shut-off device is **NOT** tampered with: WAC 173-360-305(3)(a)(ii)(A)	Y	N	N/A
37. Overfill alarm set at 90% and audible to delivery driver: WAC173-360-305(3)(a)(ii)(B)	Y	N	N/A
38. Overfill ball-float valve present: *(circle) visual records* WAC 173-360-305(3)(a)(ii)(B)	Y	N	N/A

Comments: 3 ALLD & 3 Line T.T. because tank 1 & 2 are Manifolded Split

Significant Operational Compliance with Overspill/Overfill/Corr. Prot.: Y N N/A
Significant Operational Compliance with Release Detection: Y N N/A

___ Photos Taken ___ Tech. Assist. Materials Provided (See Handout)
___ Action Taken: *(circle) Notice of Noncompliance* *Field Citation#* _____

Inspector Signature _____ **Date** 1/11/11

I use this table to keep track of which ATG slips I have seen during the review. Obviously you can change the titles of the columns to whatever you need. The year column is particularly helpful when you have stacks of ATG slips in random order.

Year	Month	Tank #1	Tank #2	Tank #3	~~Line #1~~ Tank 4	Line #2	Line #3
10	1- January	P	P	P	P		
10	2- February	P	P	P	P		
10	3- March	P	P	P	P		
10	4- April	P	P	P	P		
10	5- May	P	P	P	P		
10	6- June	P	P	P	P		
10	7- July	P	P	P	P		
10	8- August	P	P	P	P		
10	9- September	P	P	P	P		
10	10- October	P	P	P	P		
10	11- November	P	P	P	P		
10	12- December	P	P	P	P		

P = Pass F = Fail M = Missing I = Inconclusive

I use this table on my inspection form for every item on the form. I label the column titles with tank #'s and pipe #'s.

1	2	3	4	5	6

L ST# 8504

Handouts

UST #: 8504 Date: 1/11/11

1. 1. UST Checklist ✓
2. NONC
3. Field Citation
4. UST WAC's ✓
5. Operating and Maintaining UST Systems ✓
6. UST Site Inspection Guidance Document
7. List of Service Providers ✓
8. Addendum/Tanks not Registered
9. Doing Inventory Control Right
10. UST Site Check/Site Assessment Checklist
11. UST Closure and Site Assessment Notice
12. 30 Day Notice
13. UST Guidance for Site Checks and Site Assessments
14. Summary of Requirements for UST's ✓
15. Summary of Requirements for Temporarily Closed UST's
16. **Focus Sheet:** ATG's ✓
17. **Focus Sheet:** What to do if you find a leak or spill ✓
18. **Focus Sheet:** Changes to the UST law
19. **Focus Sheet:** Waste Oil Tanks
20. **Focus Sheet:** Financial Responsibility
21. Dollars and Sense: Financial Responsibility
22. Manual Tank Gauging
23. Fuel Tank Storage and Maintenance

UST #8504

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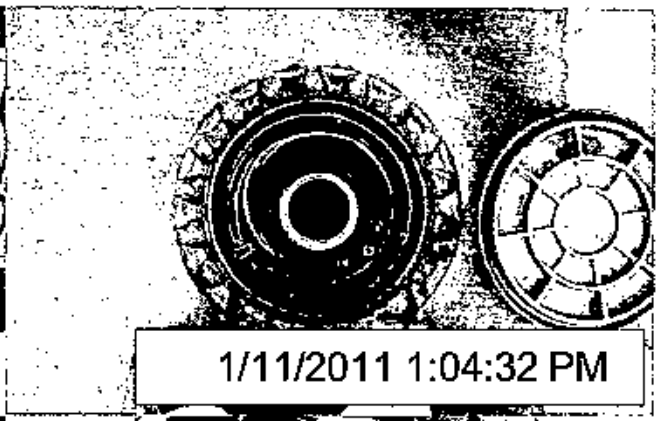

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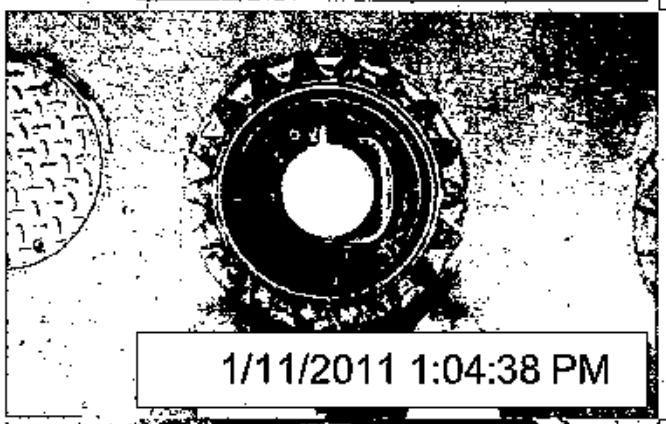

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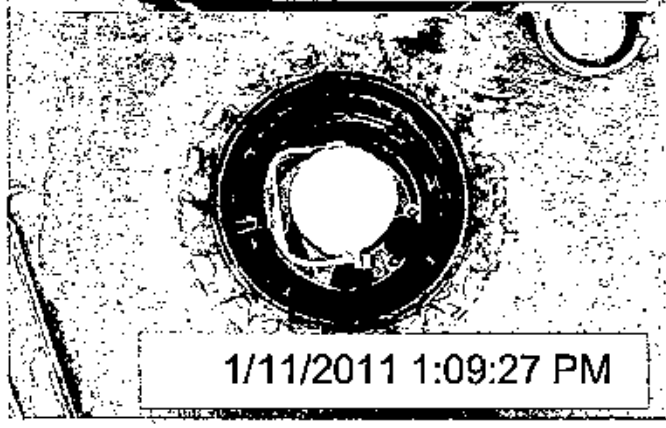

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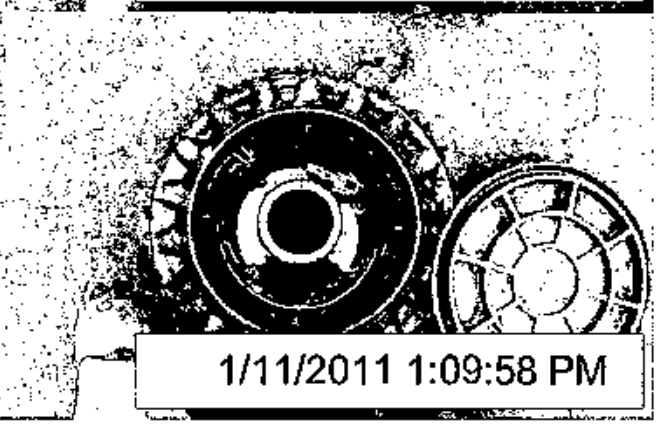

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UST #8504

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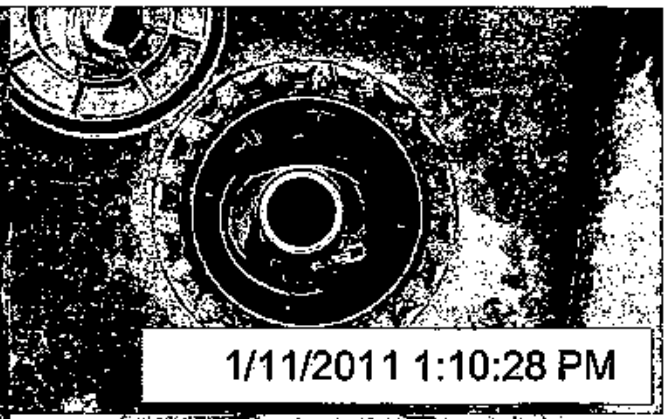
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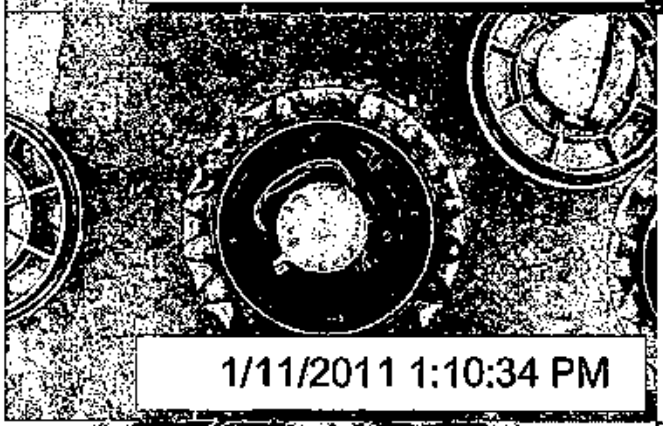
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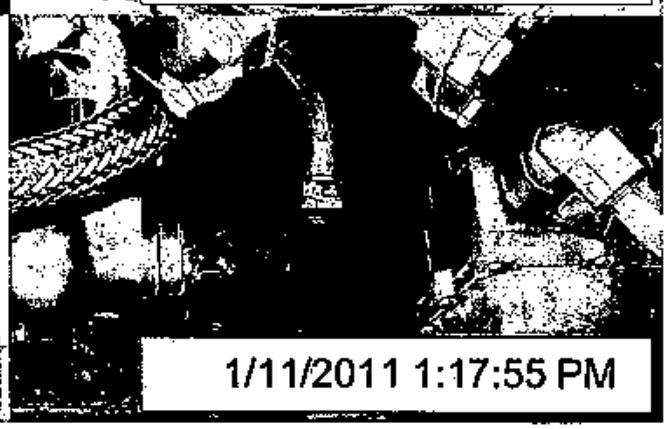
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UST #8504

STATE OF WASHINGTON

MASTER LICENSE SERVICE
PO Box 9034 - Olympia WA 98507-9034 - (360) 664-1400

REGISTRATIONS AND LICENSES

Unified Business ID #: 602 527 602
Business ID #: 1
Location: 1
Expires: 08-31-2011

Domestic Limited Liability Company

RAI AND TIWANA LLC
SHELL MINI MART
29625 PACIFIC HWY S
FEDERAL WAY WA 98003

LOTTERY ON-LINE
TOBACCO PRODUCT RETAILER
TAX REGISTRATION
CIGARETTE RETAILER
GROCERY STORE BEER/WINE #078864
INDUSTRIAL INSURANCE
UNDERGROUND STORAGE TANKS (3): 5, 6, 7

SHOPKEEPER
LIQUID FUEL METER-LOW (24)
L P GAS METER-SMALL (1)
UNEMPLOYMENT INSURANCE

LICENSING RESTRICTIONS:
Not authorized to hire persons under age 18 at this location.

REGISTERED TRADE NAMES:
SHELL MINI MART

The licensee named above has been issued the business registrations or licenses listed. By accepting this document the licensee certifies the information provided on the application for these licenses was complete, true, and accurate to the best of his or her knowledge, and that business will be conducted in compliance with all applicable Washington state, county, and city regulations.

Elizabeth A. Luce
Director, Department of Licensing

STATE OF WASHINGTON — EXPIRATION DATE
02 1 1 — 08-31-2011
078864

NA LLC
ART
C HWY S
WA 98003

STORAGE TANKS (3)
INE
UCT RETAILER
TION
TAILER
E BEER/WINE #078864
NSURANCE

METER-LOW (24)
R-SMALL (1)
INSURANCE

RCHASE BEER/WINE AT
BEER/WINE
THE RETAIL
SE NAME APPEARS ON
(OR THE LICENSEE'S
R 21 YEARS OF AGE)
D TO PURCHASE BEER
M ANY LICENSED
FOR RESALE AT RETAIL
E WITH THE TERMS OF
LICENSE AS PROVIDED
.200, RCW 66.24.250,
0, AND
60 (4)

Elizabeth A. Luce
Director, Department of Licensing

S SECTION FOR YOUR WALLET

UST # 8504

CERTIFICATE OF INSURANCE
STATE OF WASHINGTON

NAME OF INSURER:	Colony Insurance Company 8720 Stony Point Parkway, Suite 300 Richmond, VA 23235 Tel. (800) 577-6614
NAME OF INSURED:	RAI & TIWANA LLC
	DBA: SHELL MINI MART
ADDRESS OF INSURED:	29625 PACIFIC HWY S
	FEDERAL WAY WA 98003
POLICY NUMBER:	WA640057-5
PERIOD OF COVERAGE:	11/2/2010 TO 11/2/2011

CERTIFICATION:

1. Colony Insurance Company, the "Insurer", as identified above, hereby certifies that it has issued liability insurance covering the following Underground Storage Tank(s):

   See Schedule of Facilities Endorsement (E038)

   For taking corrective action and compensating third parties for "bodily injury" and "property damage" caused by either sudden accidental releases or non-sudden accidental releases or accidental releases, in accordance with and subject to the limits of liability, exclusions, conditions, and other terms of the policy arising from operating the underground storage tank(s) identified above.

   The Limits of Liability are $1,000,000 Each Occurrence and $1,000,000 Annual Aggregate, exclusive of legal defense costs, which are subject to a separate limit under the policy. This coverage is provided under WA640057-5. The effective date of said policy is 11/2/2010.

2. The Insurer further certifies the following with respect to the insurance described in Paragraph 1:

   A. Bankruptcy or insolvency of the insured shall not relieve the insurer of its obligations under the policy to which this certificate applies.

B. The insurer is liable for the payment of amounts within any deductible applicable to the policy to the provider of Corrective Action or a Damaged Third-party, with a right of reimbursement by the insured for any such payment made by the insurer. This provision does not apply with respect to that

amount of any deductible for which coverage is demonstrated under another mechanism or combination of mechanisms as specified in WAC 173-360-413 through 173-360-433.

C. Whenever requested by the director of the Washington state department of ecology, the Insurer agrees to furnish the director a signed duplicate original of the policy and all endorsements.

D. Cancellation or any other termination of the insurance by the Insurer, except for non-payment of premium or misrepresentation by the insured, will be effective only upon written notice and only after the expiration of 60 days after a copy of such written notice is received by the insured. Cancellation for non-payment of premium or misrepresentation by the insured will be effective only upon written notice and only after expiration of a minimum of 10 days after a copy of such written notice is received by the Insured.

E. The insurance covers claims otherwise covered by the policy that are reported to the Insurer within six months of the effective date of cancellation or non-renewal of the policy except where the new or renewed policy has the same retroactive date or a retroactive date earlier than that of the prior policy, and which arise out of any covered occurrence that commenced after the policy retroactive date, if applicable, and prior to such policy renewal or termination date. Claims reported during such extended reporting period are subject to the terms, conditions, limits, including limits of liability, and exclusions of the policy.

I hereby certify that the wording of this instrument is identical to the wording in WAC 173-360-480 and that the Insurer is licensed to transact the business of insurance, or eligible to provide insurance as an excess or surplus lines Insurer, in one or more states.

Michele Williams

Authorized Representative of Colony Insurance Company
Underwriter
P O Box 3867, Bellevue, WA 98009

COMMON POLICY DECLARATIONS
CLAIMS MADE

Colony Insurance Company
8720 Stony Point Parkway, Suite 300
Richmond, VA 23235

POLICY NUMBER
WA640057-5

RENEWAL OF:
WA640057-4

1. NAMED INSURED AND MAILING ADDRESS:

RAI & TIWANA LLC
DBA: SHELL MINI MART
29625 PACIFIC HWY S
FEDERAL WAY WA 98003

PRODUCER: 46003

Griffin Underwriting Services
P O Box 3867
Bellevue, WA 98009

2. POLICY PERIOD: From 11/2/2010 to 11/2/2011 12:01 A.M. Standard Time at your Mailing Address above.

IN RETURN FOR THE PAYMENT OF THE PREMIUM, AND SUBJECT TO ALL OF THE TERMS OF THIS POLICY, WE AGREE WITH YOU TO PROVIDE THE INSURANCE AS STATED IN THIS POLICY.

3. THIS POLICY CONSISTS OF THE FOLLOWING COVERAGE PARTS FOR WHICH A PREMIUM IS INDICATED. THIS PREMIUM MAY BE SUBJECT TO ADJUSTMENT.

COVERAGE PARTS		PREMIUM
STORAGE TANK POLLUTION LIABILITY COVERAGE PART		751
Storage Tank Repair or Replacement Cost Coverage		147
Premium Charge for coverage of certified acts of terrorism (Per Policyholder Disclosure *TRIA Notice ENV* attached)		
Coverage for certified acts of terrorism has been rejected; exclusion attached (Per Policyholder Disclosure *TRIA Notice ENV* attached)	x	
Policy Fee		100
Issued October 28, 2010		

Premium shown is payable at inception. **Total Policy Premium:** **998**

FORMS APPLICABLE TO ALL COVERAGES:

See Form U001 -- Schedule of Forms and Endorsements

4. BUSINESS DESCRIPTION:

Countersigned: October 28, 2010
Date

By: Michele Williams
Authorized representative

DC0550 ENV (1/08)

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UST # 8504

DEPARTMENT OF ECOLOGY
NORTHWEST REGIONAL OFFICE
FACSIMILE COVER SHEET

WASHINGTON STATE DEPARTMENT OF ECOLOGY

DATE: 11/30/10

Number of Pages: 3

TO: Mr. Ranjit Rai

FAX # (253) 941 0707

FROM: Cathie Richardson
Underground Storage Tank Case Developer
PHONE: (425) 649-7135
SECTION: Toxics Cleanup Program

Department of Ecology
Northwest Regional Office
3190 - 160th Avenue S.E.
Bellevue, WA 98008-5452
Phone: (425) 649-7149
Fax: (425) 649-7161
Email: Cathie.richardson@ecy.wa.gov

1/6/11
Reminder
fax
inspection
next week

Dear Mr. Rai:

This information is to help prepare you for an upcoming Underground Storage Tanks (UST) Inspection(s). I have included an information sheet titled "Preparing for an Underground Storage Tank Inspection" which gives an overview of the inspection and basic preparation for the inspection. See http://www.ecy.wa.gov/programs/tcp/ust-lust/UST_overview.pdf for more information.

The inspection is scheduled for **Tuesday January 11th at 12:30 p.m. (+/- ½ hour)** - located at:

Shell Mini Mart
29625 Pacific Hwy S
Federal Way

The Department of Ecology will require verification of paperwork (e.g., Master Business License, Insurance, testing) and access into the turbine sump and dispensers, so please have those items available at the time of the inspection. Please contact me at 425-649-7135 or cari461@ecy.wa.gov if you have any questions regarding the upcoming inspection(s) or any of the enclosed information. Arthur Buchan is the Department of Ecology Inspector that will be performing your inspection; his phone number is 425-649-7149.

Sincerely,

Cathie Richardson
Underground Tanks Case Developer

Enclosure: Preparing for an Underground Storage Tank Inspection

Focus on Preparing for an UST Inspection

DEPARTMENT OF ECOLOGY
State of Washington

Toxics Cleanup Program — **March 2010**

The Department of Ecology is required to conduct an Underground Storage Tank (UST) Inspection at all registered tank sites to review records and equipment for compliance.

What paperwork will be reviewed on-site? The paperwork reviewed depends on what type of system you operate. Have the following records, if applicable, available for review:

- ☐ Master Business License w/ tank endorsements
- ☐ Facility Compliance Tag
- ☐ Tank Pollution Liability Insurance or proof of self-insurance
- ☐ Tank Release Detection - Monthly printout (or log):
  - ☐ Automatic Tank Gauge (ATG) 0.2 gph leak test passing results, or
  - ☐ Interstitial (or annular) sensor normal results, or
  - ☐ Statistical Inventory Reconciliation (SIR) results, or
  - ☐ Daily/weekly/monthly sticking records (rare)
- ☐ Annual testing of sensors and ATG
- ☐ Pressurized Piping Release Detection
  - ☐ Annual Test of Automatic Line Leak Detector (ALLD)
    And **one** of following choices
  - ☐ Annual line tightness test, or
  - ☐ Monthly printout (or log) of sump sensor normal results, or
  - ☐ Monthly printout of 0.2 gph passing Electronic ALLD, or
  - ☐ Monthly SIR results third party certified for lines
- ☐ Suction Piping with one check valve at **pump** (no release detection)
- ☐ Suction Piping with check valve at **tank** (choose one)
  - ☐ Every 3 years line tightness test, or
  - ☐ Monthly printout (or log) of sump sensor normal results, or
  - ☐ Monthly SIR results third party certified for lines
- ☐ Steel Tanks with Internal Lining Only (no cathodic protection): Internal Lining Inspection at 10 years and every 5 years thereafter
- ☐ Every 3 years Cathodic (Corrosion) Protection test
  - ☐ Steel Tanks
  - ☐ Steel Lines
  - ☐ Turbine steel flex connectors in soil
  - ☐ Under dispenser steel flex connectors in soil
- ☐ Every 60-day log of Volt/Amp readings for Impressed Current Systems

What equipment needs to be opened? Depending on your type of system, you will need to open the following equipment:

- ☐ Large Metal Manway above Turbines
- ☐ Dispenser Panels
- ☐ Fills and Spill Buckets
- ☐ Overfill Equipment
  - ☐ Automatic Shut-Off Valve, or
  - ☐ Ball-Float Device (opened w/ tool), or
  - ☐ Exterior Alarm

Should I hire my service provider to open the equipment? Some owners hire their tank service provider to be present during the inspection to open all the necessary equipment. Some owners find it difficult to open the large metal manways above the turbines. Appropriate tools must be used to safely open and lift the heavy manways. Ecology inspectors will not open the equipment. Be sure you have the keys to open the dispenser panels and fill ports.

How many years of records will be checked? The regulation requires owners to keep release detection records for 5 years. Please have at least 12 months of records available for a detailed review on-site. The inspector will let you know if additional years of records will be checked.

How often will each site be inspected? At least once during a three-year cycle each site will be inspected.

How long is the inspection? On average one to two hours. They will be scheduled at least one week prior. The inspection needs your complete attention, so have someone else working as cashier.

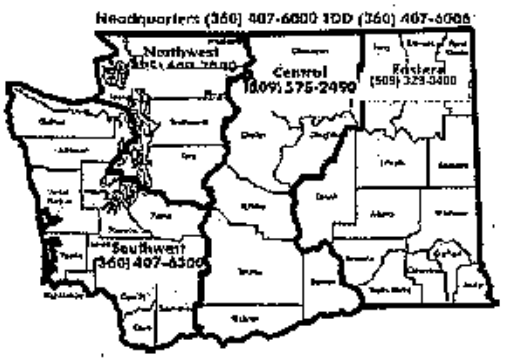
What if violations are found? The inspector may issue a Notice of Non-Compliance, which outlines actions you need to take with deadlines to achieve compliance. Significant violations may result in a Field Penalty being issued on-site. If compliance is not achieved or there are severe violations, Ecology may pursue formal enforcement action.

What if my tank is temporarily closed? Corrosion protection must be operational and testing conducted, if applicable, during temporary closure. If your tank has less than an inch of product, no release detection is necessary, but you will need to stick the tank during the inspection to verify. If your tank has product in it, you need to be conducting release detection. All other records will be reviewed and equipment checked.

How does the inspection benefit me? Failure to properly operate and maintain your UST system equipment may result in a significant loss in your property investment and contaminate the environment. Correct operation and maintenance help ensure that leaks are detected early or even prevented, protecting your investment and potentially saving you thousands of dollars in cleanup costs.

Further questions? Please contact your regional office below and ask for a tank inspector to assist you.

Central Region	(509) 575-2490
Eastern Region	(509) 329-3400
Northwest Region	(425) 649-7000
Southwest Region	(360) 407-6300



For more information on inspections of USTs follow this link: http://www.ecy.wa.gov/programs/tcp/ust-lust/UST_overview.pdf

Special accommodations: To ask about the availability of this document in a version for the visually impaired, call the Toxics Cleanup Program at (360) 407-7170. Persons with hearing loss, call 711 for Washington Relay Service. Persons with a speech disability, call 877-833-6341.

* * * Immediate TX Result Report (Nov. 30. 2010 2:42PM) * * *

1)
2)

Date	Time	Destination	Mode	TX time	Page	Result	User Name	File No.
Nov. 30.	2:41PM	12539410707	G3(ES)	0'59"	P. 3	OK		3325

# : Batch	C : Confidential	S : Transfer	P : SEP Code
M : Memory	I : Send later	@ : Forwarding	E : ECM
S : Standard	D : Detail	F : Fine	U : Super Fine
Y : Reduction	H : Stored/D. Server	* : LAN-Fax	÷ : Delivery
Q : RX Notice Req.	A : RX Notice	<@> : Mail	<-> : IP-FAX
□ : Folder			

* * * Immediate TX Result Report (Jan. 6. 2011 8:21AM) * * *

Date	Time	Destination	Mode	TX time	Page	Result	User Name	File No.
Jan. 6.	8:21AM	12539410707	G3(ES)	0'25"	3.	OK		3417

# : Batch	C : Conficential	$: Transfer	P : SEP Code
M : Memory	' : Send later	@ : Forwarding	E : ECM
S : Standard	D : Detail	F : Fine	U : Super Fine
> : Reduction	H : Stored/D. Server	* : LAN-Fax	+ : Delivery
Q : RX Notice Req.	A : RX Notice	<@> : Mail	<#>: IP-FAX
<F> : Folder			

RECEIVED
FEB 11 2010
Dept Of Ecology
Toxics Cleanup Program

RECEIVED
FEB 22 2010
DEPT. OF ECOLOGY
TCP NWRO

Murphy King
8504
FS 798135564

Underground Storage Tank Tightness Testing Checklist

The attached Underground Storage Tank (UST) checklist is required for activity listed above. This checklist certifies that the Tightness Testing activities are performed and conducted in accordance with Chapter 173.360 WAC.

See back of form for instructions.

1. UST SYSTEM LOCATION AND OWNER

UBI Number: 602 527 602 (UBI # from Master Business License) Site ID Number: (Available from Ecology if tank is Registered)

Site/Business Name: Shell Mini Mart

Site Address: 29625 Pacific Hwy S. (Street)
Federal Way WA 98003 (City, State, Zip+4 (required), County)

Telephone: 253-941-1611

UST Owner/Operator: Manjinder Singh

Mailing Address: 29625 Pacific Hwy S. (Street)
Federal WAY WA 98003 (City, State, Zip+4 (required), P.O. Box)

Telephone: Fax 253-941-0707

2. FIRM PERFORMING WORK

Service Company: SMB Solutions

Service Co. Address: 2302 A Street (Street)
Tacoma WA 98402 (City, State, Zip+4 (required))

Certified Supervisor: James Ceda

Address: 2302 A Street (Street)
Tacoma WA 98402 (City, State, Zip+4 (required), P.O. Box)

ICBO Certification Number: 5310048-UB Certification Issue Date (Month/Year): Feb '08

Telephone: 253-572-3822

Ecology is an equal opportunity employer.
For special accommodation needs, please contact the Underground Storage Tanks Section at (360) 407-7170, 1-(800) 833-6388 or 711 (TTY)

ECY 070-69 (03/09) *White Copy (Ecology), Yellow Copy (Owner/Operator), Pink Copy (Service Provider)*

2/18/10

8504

Site ID # Shell Mini Mart
Site Address
City FEDWAY

Tightness Testing Checklist (continued)

III. TANK INFORMATION CHECKLIST

	Tank 1	Tank 2	Tank 3	Tank 4
1. Tank ID # (tank name registered with Ecology)	N/A	N/A	N/A	N/A
2. Date installed				
3. Tank capacity in gallons				
4. Last substance stored				
5. Number of tank compartments				
6. Tank type: (S) single wall; (D) double wall; (P) partitioned				
7. Is overfill device present? (Yes/No)				
8. Percentage of product in tank during test? (Volume % must comply with test method certification requirements)				
9. The test method used can detect a leak of how many GPH?				
10. The numerical tank test results are? (in gallons per hour)				
11. Based on evaluating test results and conducting any retesting as necessary as per test protocol to obtain conclusive test results; the test results are? (Pass/Fail)*				

IV. Line Information

	Line 1	Line 2	Line 3	Line 4
1. Piping type: (S) single wall; (D) double wall	D	D	D	N/A
2. Pump type: (T) turbine; (S) suction	T	T	T	
3. (a) If turbine, is line leak detector present? (Yes/No)	Yes	Yes	Yes	
(1) If present, was lead seal intact? (Yes/No N/A)	N/A	N/A	N/A	
(2) Line leak detector results? (Pass/Fail)	Pass	Pass	Pass	
(b) If suction, check valve located at? (T) tank (P) pump	N/A	N/A	N/A	
4. The numerical line test results are? (in gallons per hour)	3gph	3gph	3gph	
5. Line tightness test results? (Pass/Fail)*	Pass	Pass	Pass	

* Inconclusive test results for tanks or piping will not be considered as a valid tightness test for the purposes of complying with UST release detection regulations.

V. REQUIRED SIGNATURES

I hereby attest, that I have been the Certified Supervisor present during the above listed testing activities, and to the best of my knowledge they have been conducted in compliance with all applicable state and federal laws, regulations and procedures, pertaining to underground storage tanks.

Persons submitting false information are subject to formal enforcement and/or penalties under Chapter 173.360 WAC.

Date	Signature of Certified Supervisor	Printed Name
1-27-10	[signature]	James Rada
01-27-10	[signature]	MANJINDER SINGH

Date — Signature of Tank Owner/Authorized Representative — Printed Name

ECY 070-69 (03/03) *White Copy/Ecology), Yellow Copy (Owner/Operator), Pink Copy (Service Provider*

Site ID # Shell Mini Mart
Site Address
City Federal Way

Underground Storage Tank

Tightness Testing Checklist

For more than four UST systems, you may photocopy this form prior to completing.

I. TIGHTNESS TESTING METHOD Date of Test: 1/27/10

1. Tightness testing method(s) used (indicate if more than one method was used):
   Test method name/version LDT 890
   Test method manufacturer VMI

Note: A tank must be tested up to the product level limited by the overfill prevention device. If an overfill prevention device is not installed, a tank must be tested up to the 95% full level. When underfill volumetric testing methods are used, the tank must be; 1) filled with product to the 95% full level or 2) the portion of the tank above the product level must be tested using a nonvolumetric method which meets performance standards, for tightness testing.

2. Indicate the method used to determine if groundwater was present above the bottom of the tank during the test (required for single wall tanks): N/A

3. Method used for release detection:
   - ☐ Weekly manual gauging
   - ☐ Daily manual inventory control
   - ☒ Automatic tank gauging (ATG)
   - ☐ Interstitial monitoring
   - ☐ Other (describe)

4. Reason for conducting tightness test:
   - ☒ Required for release detection requirement
   - ☐ Bring temporarily closed tanks back into service
   - ☐ Tank or piping repair
   - ☐ Other (describe)

5. Type of test conducted:
   - ☐ Tank tightness test only
   - ☐ Line tightness test only
   - ☐ Total system test (tank and lines tested together)
   - ☒ Test Leak Detectors

6. Test method type:
   - ☐ Overfill volumetric
   - ☐ Underfill volumetric
   - ☐ Nonvolumetric
   - ☒ Volumetric

II. TEST METHOD CHECKLIST

The following items shall be initialed by the Certified Supervisor whose signature appears on this form.

	Yes	No	NA*
1. Has the tightness testing method used been demonstrated to meet the performance standard specified in the UST rules for the conditions under which the test was conducted? (e.g., detecting a 0.10 gallon per hour leak rate with probability of detection of at least 95% and a probability of false alarm of no more than 5%).	☒	☐	☐
2. Have all written testing procedures developed by the manufacturer of the testing equipment and method been followed while the test was being set up and conducted?	☒	☐	☐
3. Was the product level in the tank during the test within the limitations of the test methods performance standards?	☒	☐	☐
4. If groundwater was present above the bottom of the tank, have the testing procedures accounted for its presence? (required for single wall tanks)	☐	☐	☒
5. If the tightness test is considered a failed test, has the owner/operator been notified of the test results? (Note: Tank owner must report a failed tightness test as a suspected release within 24 hours to UST staff at the appropriate Ecology regional office.)	☐	☐	☒

* Item not applicable

White Copy (Ecology), Yellow Copy (Owner/Operator), Pink Copy (Service Provider)

10/19/06
Final (jg)

EPA REGION 10
UNDERGROUND STORAGE TANK INSPECTION FORM A

owner ID 4554

Significant Compliance: RD Y (N) \ Upgrade Y (N) \ (Y) N

Facility# 8504 Passed Inspection Y (N)

Inspection Date 10-22-08 Time 1:00 pm GPS reading N47° 20' 10.3 W122° 18' 46.0

Lead Inspector Jim Greers Others

Facility Reps Ranjit *

(* Credentials Presented)

Visual Documentation of Inspection: ☐ 35mm pictures ☐ Video ☒ Digital ☐ Other

Facility Drainage (FD) questionnaire: ☐ Completed ☐ Not Completed ☒ Not Applicable

Enforcement Actions Taken Onsite: FNNC # FC #WA00190 For $ 150

Verbal Warning for 40 CFR 280. SBA Info Sheet Given? (Y) N

Enforcement Action Delayed for (Reason):

Facility Information

Location Name: Shell Mini Mart

Owner: Operator:

Address (Loc/Owner/Op): 29625 Pacific Hwy S

City: Federal Way State: WA Zip: 98003 Phone 253-941-1611

Address (Loc / Owner /Op):

City: State: Zip: Phone:

Tank #	1 5	2 6	3 7	4	5	6
☐ MEETS FINANCIAL RESPONSIBILITY REQUIREMENTS						
☐ All (tanks covered) or (check which tanks are covered)			#4 #3			
Type: ☐ Ins ☐ Self ☐ PSTF ☐ Ltr Credit ☐ Stdby Trust ☐ LG Bond Rating Test ☐ LG Fin Test ☐ Other						
Issuing Entity: Dates Coverage: In EPA Format? Y N						

TANK STATUS

Manifolded (M) or Compartmented (C) Tank?	M	mC	C			
Status (circle): CIU TOU POU ☐ All or						
Date installed: 1995 ☐ All or						
Tank cap (gal): ☐ All or	10k	4k	8K	10K		
Substance in Tank: ☐ All or	UNL	UNL	DSL	SUL		
Tank Material: BS CPS (COM) FRP DW ExL Lin ☐ All or						
Verified Tank by: (Visual) Invoice Warranty Picture ☐ All or						
Emergency Generator Tank(s)? ☒ NA ☐ All or						
Piping Material: GS CPS (FRP) FlexP (DW) SecC ☒ All or						
Verified Pipe by: (Visual) Invoice Warranty Picture ☒ All or						
Piping Type: Grav (Pres) SafeS U.S.S ☐ All or	Pres	NO TRB	Pres	Pres		
Date last used: ☐ All or						
Closure Status: Removed In-Place Chg-in-Svc ☐ All or						

SITE SKETCH

Tank #	1	2	3	4	5	6

RELEASE DETECTION-TANKS

☒ *Primary Release Detection Method Present for all tanks & meets specific performance standards as in 280.43 ?* ☐ NA						
☐ Manual Tank Gauging (MTG) ☐ Primary Method ☐ All or						
☐ Tank Tightness Testing (TTT) ☐ Primary Method ☐ All or						
Last TTT date? _____ Passed? Y N						
☐ Inventory Control (IC) ☐ Primary Method ☐ All or						
☐ Vapor Monitoring (VM) ☐ Primary Method ☐ All or						
Site Assessment? Y N ☐ All or						
☐ Ground Water Mon. (GWM) ☐ Primary Method ☐ All or						
Site Assessment? (ie: 3'<gw<20') Y N ☐ All or						
☒ Automatic Tank Gauge (ATG) ☒ Primary Method ☒ All or	✓	✓	✓	✓		
☐ Interstitial Monitoring (IM) ☐ Primary Method ☐ All or						
☐ SIR ☐ Primary Method ☐ All or						
☐ Deferred (Emergency Generators ONLY) ☐ All or						
☐ *TOU Systems Comply with Release Detection?* ☐ NA						

RELEASE DETECTION-PIPING (RD)

☐ *Primary RD method(s) present for ALL piping &meets specific performance standards as stated in280.44?* ☐ NA						
☒ ALLD(s) Pressurized Systems Only- Required ☐ All or Date test: 1-23-08 ☐ ELLD or ☒ MLLD	VM	~~[illegible]~~	FX	VM		
☐ LTT(s) Date test_____ ☐ Primary Method ☐ All or						
Monthly Monitoring Method : ☐ Primary Method ☐ All or VM GWM IM SIR Sump Sensor Other_____		Sumps clean + Dry				
☐ Deferred (Emergency Generators ONLY) ☐ All or						

RELEASE DETECTION COMPLIANCE/RECORDS

☐ *Release Detection System - Operating Properly?* ☐ NA						
☒ *Release Detection System Meets Performance Standards of SOC Matrix "Worksheet"?* ☐ NA						
☐ In Compliance with EPA 3rd Party Evaluation? ☐ NA ☐ If Required (5 year Record Limit), Has 3rd Party? ☐ NA						
☐ *Are there monthly monitoring records for Tanks/Piping for 2 most Recent Months and 8 of the last 12 months* (or LTT where required) ☐ NA						
Monthly monitoring records Reviewed = 12 months, of last 12: Tanks (months) PASSED: 12 FAILED:____ INVALID:____ Piping (months) PASSED:____ FAILED:____ INVALID:____						
☐ *ALL Non-Passing Results Resolved?* ☒ NA						
☐ *If not resolved, was the implementing agency notified of a suspected release?* Y☐ N☐ No release suspected ☒ ☐ NA						
☐ *Hazardous Substance USTs-Secondarily Contained?* ☒ NA						

ATG/IM/SIR Equipment Manufacturer/Vendor Veeder Root Model: TLS 350 CSLD

(Optional) ALLD Equipment Manufacturer:_____ Model:_____

TANK #	1	2		4	5	6

RELEASE PREVENTION

☒ *CP Met on ALL Tank(s) and Piping, including metal flex connectors, swing joints, etc. (see Release Prevention Measures Matrix, IV. "Tank and Piping Corrosion Protection" checklist)*						
☐ *Any repairs to CP (including Lining) tanks or piping and have they been Tightness Tested within 30 days (not required if internal inspection or monthly monitoring completed)?* ☒ NA						

TANK LINING

☐ *Tank Lining Inspected and In Compliance?* ☒ NA						
Date of Lining: _____ Date of PASSING Internal Inspection: _____ ☐ All or						

CATHODIC PROTECTION

☐ Cathodic Protection: ☐ Tanks ☐ Piping ☐ All or						
☐ Impressed Current System ☐ All or Installation Date: _____ Set at _____ amps						
☐ *Last 3 (60 Day) rectifier inspection Records?* ☐ NA						
System On? Y N Observed amperage of _____ amps						
☐ **Sacrificial Anode System** ☐ All or						
☐ Date of Last Test: _____ Passed ☐ All or Covers: ☐ Tanks/Piping ☐ Tanks ☐ Piping						
☐ Date of Previous Test: _____ Passed ☒ All or Covers: ☐ Tanks/Piping ☐ Tanks ☐ Piping						
☐ *CP Performing Adequately- Based on Testing Results -* ☐ NA						
☐ *Any Repairs are being Conducted or Completed?* ☐ NA						
☐ *6 mo. CP test After Installation or Repair COMPLETED?* ☐ NA						

SPILL & OVERFILL PREVENTION

☒ *Spill Prevention Devices Present and Functional?* ☐ NA						
☒ *Overfill Prevention Devices Present and Operational for Each Tank?* (specify, below) ☐ NA						
☒ Ball Float Valve Operational ☒ All or per service provider						
☐ Flow Restrictor (Auto Shut off) Operational ☐ All or						
☐ Automatic Alarm (for Delivery Driver) Operational ☐ All or						
☐ Spill / Overfill NOT Req'd (transfer ≤ 25 gallons) ☐ All or						

Inspector's Signature Jim Greeves **Date:** 10-22-08

Notes: Monitor Cert 1-23-08

Can't do monthly interstitial monitoring until rubber boots are loosen or removed from DW pipe under each of the dispensor sumps.
Issued FC for not having annual line tightness testing
Sump sensors are only located in the STP sumps.
Owner knows how to print "Liquid Status" Reports

Year	Month	Tank #1	Tank #2	Tank #3	Tank #4	Tank #5	Tank #6
	1- January						
	2- February						
	3- March						
	4- April						
	5- May						
	6- June						
	7- July						
	8- August						
	9- September						
	10- October						
	11- November						
	12- December						
P = Pass F = Fail							

Notes:

UNITED _ _ ATES ENVIRONMENTAL PROTEC N AGENCY
SEATTLE, WASHINGTON

EXPEDITED ENFORCEMENT
COMPLIANCE ORDER AND SETTLEMENT AGREEMENT FOR WASHINGTON STATE

PART I: COMPLIANCE ORDER

Compliance Order No. **WA-00190**
On 10-22-2008 (date of violation) Time 1:45 pm (a.m. of p.m.)
At Shell Mini Mart (Name of facility)
29625 Pacific Hwy S (Address of facility)
Federal Way WA 98003 (Address of facility)
Name of Owner, Operator or On-site Representative (circle one) Ranjit
Owner Address _____

State ID Number WA 8504

An authorized representative of the United States Environmental Protection Agency(EPA) inspected this facility to determine compliance with underground storage tank regulations promulgated under Subtitle I of the Resource Conservation and Recovery Act of 1976 (42 U.S.C. S6912 et seq.) During this inspection, the following violations of underground storage tank regulations were found, with corresponding penalty amounts. Because the State program has received federal approval, violations are cited in terms of the State regulations.

1. WAC 173-360 350(3)(b) Penalty $ 150
   Nature of Violation Failure to provide annual line
2. WAC 173-360 tightness Penalty $ testing for underground
   Nature of Violation piping
3. WAC 173-360 _____ Penalty $ _____
   Nature of Violation _____
4. WAC 173-360 _____ Penalty $ _____
   Nature of Violation _____

The owner or operator of the above facility is hereby ordered to correct the violations and pay the penalties described above.

This Compliance Order is not an adjudicatory proceeding under 40 CFR Part 22, the Consolidated Rules of Practice Governing the Administrative Assessment of Civil Penalties and the Revocation or Suspension of Permits, but is issued solely with reference to Settlement Agreement in Part II of this form. If the Settlement Agreement in Part II is not returned in correct form by the owner or operator within 30 days of the date of the signature below by the Authorized Representative of EPA, this Compliance Order is hereby withdrawn, without prejudice to EPA's ability to file additional enforcement actions for the above or any other violations.

I have personally observed the above violations and find the owner or operator in violation of the above-referenced underground storage tank regulations.

Jim Sheeran Date: 10-22-08
(Signature of Authorized Representative of EPA)

I hereby acknowledge receipt of this Compliance Order and Settlement Agreement.

_____ Date: _____
(Signature of Owner, Operator or On-site Representative)

PART II: SETTLEMENT AGREEMENT

The United States Environmental Protection Agency (EPA) offers this Settlement Agreement under its expedited enforcement procedures in order to settle the violations found in the Compliance Order in Part I of this form subject to the following terms and conditions:

The Owner or Operator signing below certifies, under civil and criminal penalties for making a false submission to the United States Government, that Owner or Operator has corrected the violation(s) and enclosed a certified check for $_____ in payment of the full penalty amount, as described in the Compliance Order.

Upon EPA final approval of this Settlement Agreement, EPA will take no further action against the Owner or Operator for the violations described in the Compliance Order. EPA does not waive any enforcement action by EPA, the state where the facility is located or any local agencies for any other past, present or future violations under any other statute not described in the Compliance Order.

Also, upon EPA final approval of this Settlement Agreement, the Owner or Operator waives the opportunity for a public hearing pursuant to Section 9006 of the Resource Conservation and Recovery Act.

This Settlement Agreement is binding on the EPA and the Owner or Operator signing below.

The Owner or Operator signing below waives any objections to EPA's jurisdiction with respect to the Compliance Order and this Settlement Agreement, and consents to EPA's final approval of this Settlement Agreement without further notice.

This Settlement Agreement is effective upon EPA's final approval below. Upon final approval, EPA shall mail a copy of the approved Settlement Agreement to the Owner or Operator signing below.

Final approval of the Settlement Agreement is in the sole discretion of the Regional Administrator, Region 10, EPA, or authorized delegate.

SIGNATURE BY OWNER OR OPERATOR:

Name (print) _____

Title (print) _____

Signature _____ Date: _____

FINAL APPROVAL BY EPA:

Name (print) _____

Title (print) _____

Signature _____ Date: _____

1) Conduct and provide a copy of line tightness test results

green copy - owner; pink copy - finance; yellow copy - inspector

ADDENDUM TO EXPEDITED L... ORCEMENT COMPLIANCE ORDER AND SETTLEMENT AGREEMENT

This form is an attachment to Compliance Order No. WA00170

Date:	Name of Facility:	State ID or Facility License/Permit Number
10-22-08	Shell Mini Mart	WA 8504

The numbers below correspond to the numbered violations on the Expedited Enforcement Compliance Order and Settlement Agreement.

The following items are needed to show proof of compliance. Submit them to EPA within 30 days.

1	Conduct annual line tightness testing OR monthly monitoring by printing each month the "Liquid Status" Report;
2	However to each of the piping boots in the dispensor sumps must be lossened to allow liquid to transmitt back to the turbine sumps, before for you can use interstitial monthly monitoring
3	
4	
5	

I have personally communicated the above requirements to the Owner or Operator in regard to the above-referenced underground storage tank facility.

Jim Reeves — (Inspector Signature)

10-22-08 — Date

I hereby acknowledge receipt of this addendum. I understand EPA must see documentation within 30 days.

(Signature of Owner, Operator or On-site representative) — Date

*U.S. GPO: 2004-590-737/60098

REC VED

FEB 20 2009

NWRO-Reng
UST 8504
FS# 79813504

DEPT OF ECOLOGY
Toxics Cleanup Program

Underground Storage Tank Tightness Testing Checklist

WASHINGTON STATE DEPARTMENT OF ECOLOGY

The attached Underground Storage Tank (UST) checklist is required for activity listed above. This checklist certifies that the Tightness Testing activities are performed and conducted in accordance with Chapter 173.360 WAC.

See back of form for instructions.

1. UST SYSTEM LOCATION AND OWNER

UBI Number: 602-527-602 (UBI # from Master Business License) Site ID Number: A3797 (Available from Ecology if tank is Registered)

Site/Business Name: Shell

Site Address: 29625 Pac Hwy S. (Street) Federal Way (City) WA (State) 98003 (Zip+4 (required)) (County)

Telephone:

UST Owner/Operator: SHELL MINI MART

Mailing Address: 29625 Pacific Hwy So. (Street) Federal Way (City) WA (State) P.O. Box 98003 (Zip+4 (required))

Telephone: 253-941-1611

RECEIVED
MAR 26 2009
DEPT. OF ECOLOGY
TCP/NWRO

2. FIRM PERFORMING WORK

Service Company: Sue Solutions

Service Co. Address: 2302 "A" ST (Street) Tacoma, WA 98402 (City) (State) (Zip+4 (required))

Certified Supervisor: Sue Solutions

Address: 2302 "A" ST (Street) Tacoma, WA P.O. Box 98402 (City) (State) (Zip+4 (required))

ICBO Certification Number: 527958-U3 Certification Issue Date (Month/Year): 01/08

Telephone: 2535723822

Ecology is an equal opportunity employer.
For special accommodation needs, please contact the Underground Storage Tanks Section at (360) 407-7170.
1-(800) 833-6388 or 711 (TTY)

entered AD 3.23.09

ECY 070-69 (03/03) ***White Copy (Ecology), Yellow Copy (Owner/Operator), Pink Copy (Service Provider)***

8504

Checklist Instructions

After completing these checklist(s), return to: **Underground Storage Tank Section**
Department of Ecology
P.O. Box 47655
Olympia, WA 98504-7655

Please Read Carefully

Checklist(s) are to be completed by a Certified UST Supervisor and submitted to Ecology within 30 days of the tank work being performed.

On each checklist, complete the Site ID number and/or the UBI number, site address and site city on each page. Submit the cover sheet that contains the site and owner information with the checklist. The checklist should show all tank information that was worked on. Be sure that the Owner or the Authorized Representative **AND** Certified Supervisor sign the appropriate checklist.

The Owner/Operator is responsible for ensuring that the work is performed and that the checklist(s) are submitted to Ecology.

Cover Sheet

Site and Owner Information
Fill in the site and owner information. Include the Ecology Site ID number, if known, and/or UBI number (Uniform Business Identification) from the master business license. Also be sure to provide telephone numbers so that any problems can be resolved quickly.

Firm and Certified Supervisor Information
List the firm performing the work as well as the Certified Supervisor's name and Certification Number. Ask to see the Supervisor's Tightness Testing ICBO Certification and make sure that the Supervisor signs the appropriate checklist for work performed.

Please Note: Individuals performing services MUST be certified by the International Code of Building Officials (ICBO), or other recognized association by which they demonstrate appropriate knowledge pertaining to USTs or have passed another qualifying exam approved by the Department.

Checklists

The **Tightness Testing Checklist** shall be completed and signed by a Certified Tightness Testing Supervisor. The supervisor shall be on site during all tank tightness testing activities. Up to four tanks per site may be reported on a single checklist; additional tanks will require additional checklists. A Tightness Testing Checklist must be completed for each UST system (tank and associated piping) being tested as well as following most retrofit/repairs.

The tank owner or operator* must *report* a failed tightness test as *a suspected release* to UST staff *at the appropriate Ecology regional office within 24 hours.

Northwest	Southwest	Central	Eastern
(206) 649-7000	(360) 407-6300	(509) 574-2490	(509) 329-3400

White Copy (Ecology), Yellow Copy (Owner/Operator), Pink Copy (Service Provider)

Site ID # A3797
Site Address 29625 PAC HWY
City FEDERAL WAY

Underground Storage Tank

Tightness Testing Checklist

For more than four UST systems, you may photocopy this form prior to completing.

I. TIGHTNESS TESTING METHOD

Date of Test: 1/22/09

1. Tightness testing method(s) used (indicate if more than one method was used)
   Test method name/version LDT-890
   Test method manufacturer PETRO TITE

Note: A tank must be tested up to the product level limited by the overfill prevention device. If an overfill prevention device is not installed, a tank must be tested up to the 95% full level. When underfill volumetric testing methods are used, the tank must be; 1) filled with product to the 95% full level or 2) the portion of the tank above the product level must be tested using a nonvolumetric method which meets performance standards, for tightness testing.

2. Indicate the method used to determine if groundwater was present above the bottom of the tank during the test (required for single wall tanks): N/A

3. Method used for release detection:
   - ☐ Weekly manual gauging
   - ☐ Daily manual inventory control
   - ☑ Automatic tank gauging (ATG)
   - ☐ Interstitial monitoring
   - ☐ Other (describe) _____

4. Reason for conducting tightness test:
   - ☒ Required for release detection requirement
   - ☐ Bring temporarily closed tanks back into service
   - ☐ Tank or piping repair
   - ☐ Other (describe) _____

5. Type of test conducted:
   - ☐ Tank tightness test only
   - ☐ Line tightness test only
   - ☐ Total system test (tank and lines tested together)
   - ☒ LEAK DETECTORS

6. Test method type:
   - ☐ Overfill volumetric
   - ☐ Underfill volumetric
   - ☐ Nonvolumetric
   - ☒ Volumetric

II. TEST METHOD CHECKLIST

The following items shall be initialed by the Certified Supervisor whose signature appears on this form.

	Yes	No	NA*
1. Has the tightness testing method used been demonstrated to meet the performance standard specified in the UST rules for the conditions under which the test was conducted? (e.g., detecting a 0.10 gallon per hour leak rate with probability of detection of at least 95% and a probability of false alarm of no more than 5%).	☐	☐	☐
2. Have all written testing procedures developed by the manufacturer of the testing equipment and method been followed while the test was being set up and conducted?	☐	☐	☐
3. Was the product level in the tank during the test within the limitations of the test methods performance standards?	☐	☐	☐
4. If groundwater was present above the bottom of the tank, have the testing procedures accounted for its presence? (required for single wall tanks)	☐	☐	☐
5. If the tightness test is considered a failed test, has the owner/operator been notified of the test results? (Note: Tank owner must report a failed tightness test as a suspected release within 24 hours to UST staff at the appropriate Ecology regional office.)	☐	☐	☐

* *Item not applicable*

White Copy (Ecology), Yellow Copy (Owner/Operator), Pink Copy (Service Provider)

Site ID # A 3797

Site Address 29625 PAC HWY S

City FEDERAL WAY

Tightness Testing Checklist (continued)

III. TANK INFORMATION CHECKLIST

	Tank 1	Tank 2	Tank 3	Tank 4
1. Tank ID # (tank name registered with Ecology)	N/A	N/A	N/A	N/A
2. Date installed				
3. Tank capacity in gallons				
4. Last substance stored				
5. Number of tank compartments				
6. Tank type: (S) single wall; (D) double wall; (P) partitioned				
7. Is overfill device present? (Yes/No)				
8. Percentage of product in tank during test? (Volume % must comply with test method certification requirements)				
9. The test method used can detect a leak of how many GPH?				
10. The numerical tank test results are? (in gallons per hour)				
11. Based on evaluating test results and conducting any retesting as necessary as per test protocol to obtain conclusive test results; the test results are? (Pass/Fail)*	P	P	P	P

IV. Line Information

UNL. PRE D N/A

	Line 1	Line 2	Line 3	Line 4
1. Piping type: (S) single wall; (D) double wall	D	D	D	
2. Pump type: (T) turbine; (S) suction	T	T	T	
3. (a) If turbine, is line leak detector present? (Yes/No)	YES	YES	YES	
(1) If present, was lead seal intact? (Yes/No N/A)	N/A	N/A	N/A	
(2) Line leak detector results? (Pass/Fail)	PASS	PASS	PASS	
(b) If suction, check valve located at? (T) tank (P) pump	N/A	N/A	N/A	
4. The numerical line test results are? (in gallons per hour)				
5. Line tightness test results? (Pass/Fail)*	P	P	P	P

* Inconclusive test results for tanks or piping will not be considered as a valid tightness test for the purposes of complying with UST release detection regulations.

V. REQUIRED SIGNATURES

I hereby attest, that I have been the Certified Supervisor present during the above listed testing activities, and to the best of my knowledge they have been conducted in compliance with all applicable state and federal laws, regulations and procedures, pertaining to underground storage tanks.

Persons submitting false information are subject to formal enforcement and/or penalties under Chapter 173.360 WAC.

Date	Signature of Certified Supervisor	Printed Name
1/27/09		
02/17/09	Manjinder Singh	MANJINDER SINGH
Date	Signature of Tank Owner/Authorized Representative	Printed Name

White Copy (Ecology), Yellow Copy (Owner/Operator), Pink Copy (Service Provider

Washington Oregon Gasoline Vapor Control Committee

This form will be accepted by any State or Local Air Pollution Agency requiring compliance testing on gas station vapor recovery equipment within the states of Washington or Oregon

For Agency Use Only
Reviewed by: _____
Date: _____
☐ Passed ☐ Failed
(Attach reasons for test failure to this form)

Pressure Decay Test CARB Test Procedure TP-201.3 or Procedure in CARB Executive Order for Stage 2 Equipment

Station Name: Shell 29625
Air Agency Registration No.:
Address: 29625 Pacific Hwy S.
City, State, Zip: Federal Way WA 98003

Testing Company Name: SME Solutions
Date/Time of Test: 1/27/09
Address: 2302 A Street
Phone No.: 253-572-3922
City, State, Zip: Tacoma WA 98402

Type of Stage 1: ☐ Coaxial ☒ Dual Point
Type of Stage 2 system: ☐ Balance ☐ Tokheim ☐ Wayne ☐ OPW ☒ Gilbarco ☐ Healy ☐ Other: _____
Tanks Manifolded? Yes ☒ No ☐ Total Nozzles: 24 Tested with vapor cap: ON ☐ or OFF ☒

	Tank #1	Tank #2	Tank #3	Tank #4	Total if Manifolded
Number of Nozzles:	Unl Reg Master	Unl Sypron	Premium		
Capacity:	12,000	4,000	10,000		26,000
Gasoline Volume:	4,132	1,377	2,102		7,611
Ullage:	7,868	2,623	7,898		18,389
Percent Ullage:	% 65	% 65	% 78	%	% 70

Minimum total ullage for each tank must be 1,000 gallons or 25% of tank capacity

Maximum total ullage from manifolded (all) tanks must not exceed 25,000 gallons

Date Test Equipment Calibrated: 12/08

Test Results

	If Manifolded	Non-Manifolded Tank #1	Tank #2	Tank #3	Tank #4
Initial Pressure	2.0" H2O	2.0" H2O	2.0" H2O	2.0" H2O	2.0" H2O
Pressure after 1 minute	" H2O 2.0	" H2O	" H2O	" H2O	" H2O
Pressure after 2 minutes	" H2O 1.99	" H2O	" H2O	" H2O	" H2O
Pressure after 3 minutes	" H2O 1.98	" H2O	" H2O	" H2O	" H2O
Pressure after 4 minutes	" H2O 1.97	" H2O	" H2O	" H2O	" H2O
Pressure after 5 minutes	" H2O 1.96	" H2O	" H2O	" H2O	" H2O

Allowable pressure from table (TP-201.3 or Applicable CARB Exec Exhibit #). _____
Allowable pressure calculated (Formulas on back): $2.718^{xy}\left(593.412 \div \sqrt{18,389}\right) = .96^2 = 1.93$

Person conducting the test:
Rocky Lyon — *Print Name*
Signature
1/27/09 — *Date*

Tank owner or authorized representative:
MANJINDER SINGH — *Print Name*
Manjinder Singh — *Signature*
02/17/09 — *Date*

Site Name and Address:	TriTester	Test Firm Name and Address
Shell 29625	CARB TP 201.5	SME Solutions
29625 Pacific Hwy S.	Air to Liquid Test	2302 A ST
Federal WAY, WA 98003	RESULTS REPORTING FORM	Tacoma WA 98402
		Phone: 253-572-3822
Meter Leak Tests		Testing Technician: Brian Fite
Bulb must not inflate in less than 30 seconds.		Applicable CARB EO #
Pre-Test Leak Check Result: Pass / Fail		
Post-test Leak Check Result: Pass / Fail		

Disp #	Gas Grade	Nozzle	GPM	A/L	Pass Fail	Comment
1	unl	IIVAI27	9.26	1.01	Pass	
1	pls	IIVAI27	7.98	1.04	Pass	
1	pre	IIVAI27	8.93	1.07	Pass	
2	unl	IIVAI27	10.00	1.10	Pass	
2	pls	IIVAI27	7.89	1.05	Pass	
2	pre	IIVAI27	10.00	1.11	Pass	
3	unl	IIVAI27	8.72	1.12	Pass	
3	pls	IIVAI27	7.89	1.07	Pass	
3	pre	IIVAI27	7.89	1.00	Pass	
4	unl	Catlow	8.93	1.08	Pass	
4	pls	Catlow	7.89	1.03	Pass	
4	pre	Catlow	8.72	1.09	Pass	
5	unl	IIVAI27	9.26	1.04	Pass	
5	pls	IIVAI27	7.65	1.02	Pass	
5	pre	IIVAI27	9.26	1.08	Pass	
6	unl	IIVAI27	9.14	1.09	Pass	
6	pls	IIVAI27	7.43	1.02	Pass	
6	pre	IIVAI27	8.63	1.01	Pass	

Disp #	Gas Grade	Nozzle	GPM	A/L	Pass Fail	Comment
7	unl	IIVAI27	9.14	1.15	Pass	
7	pls	IIVAI27	8.33	1.06	Pass	
7	pre	IIVAI27	9.37	1.01	Pass	
8	unl	IIVAI27	9.37	1.02	Pass	
8	pls	IIVAI27	8.43	1.06	Pass	
8	pre	IIVAI22	9.04	1.09	Pass	
9	unl					
9	pls					
9	pre					
10	unl					
10	pls					
10	pre					
11	unl					
11	pls					
11	pre					
12	unl					
12	pls					
12	pre					

Washington Oreg Gasoline Vapor Conti Committee

This form will be accepted by any State or Local Air Pollution Agency requiring compliance testing on gas station vapor recovery equipment within the states of Washington or Oregon

For Agency Use Only
Reviewed by: _____
Date: _____
☐ Passed ☐ Failed
(Attach reasons for test failure to this form)

Back Pressure Tests (wet/Dry) CARB Test Procedure TP-201.4

Station Name: Shell 29625
Air Agency Registration No.:
Address: 29625 Pacific Hwy S.
City,State,Zip: Federal WAY WA 98003

Testing Company Name: SME Solutions
Date/Time of Test: 1/27/09
Address: 2302 A Street
Phone No.: 253-572-3822
City,State,Zip: Tacoma WA 98402

Allowed back pressure for: Test @ Nozzle: 0.16 40 CFH 0.35 60 CFH 0.62 80 CFH
Test at Stage 2 riser: 60 CFH 0.02 inches water or requirement in Executive Order

From: ☐ CARB Executive Order#: _____ or ☒ CARB Test Procedure TP-201.4

Nitrogen introduced at : ☒ Riser ☐ Nozzle
Did Test procedure include fuel dispensing? ☒ YES ☐ NO

Vapor Valve located: ☐ In Nozzle ☒ External
Date Test Equipment Calibarated: 12/08

All underground vapor lines must be tested. Test must be conducted wet.

	Riser/ Pump Number	Gas Grade	Test Time (Min:Sec)	Back Pressure in WC at a flow rate of: 40 CFH	60 CFH	80 CFH
Wet:	7-8	All	60sec	"H20	.02 "H20	"H20
				"H20	"H20	"H20
				"H20	"H20	"H20
				"H20	"H20	"H20
				"H20	"H20	"H20
				"H20	"H20	"H20

Person conducting test:
[illegible] — *Print Name*
[signature] — *Signature*
1/27/09 — *Date*

Tank owner or authorized representative:
MANJINDER SINGH — *Print Name*
[signature] — *Signature*
02/17/09 — *Date*

Washing[illegible] Oregon Gasoline Vapor Control C[illegible]ittee

This form will be accepted by any State or Local Air Pollution Agency requiring compliance testing on gas station vapor recovery equipment within the states of Washington or Oregon

For Agency Use Only

Reviewed by: _____

Date: _____

☐ Passed ☐ Failed

(Attach reasons for test failure to this form)

Determination of Vapor Piping Connections (Tie-Tank Test) TP-201.3C

Station Name: 29625 Shell

Air Agency Registration No.:

Address: 29625 Pacific Hwy S.

City, State, Zip: Federal Way WA 98003

Testing Company Name: SME Solutions

Date/Time of Test: 1/27/09

Address: 2302 A Street

Phone No.: 253-572-3822

City, State, Zip: Tacoma WA 98402

The Tie-tank test is a pass fail test used to determine if all gasoline storage tanks are manifolded together. Diesel tank must not be manifold with the gasoline tanks. All tanks that service a stage 2 system must be manifold in order for the vapor recovery system to operate properly.

Option 1:

1) Remove dust cap from one stage 1 vapor adaptor. Introduce nitrogen at a stage 2 riser at the rate of 100 SCFH (bootless nozzles = 60 SCFH).

2) Briefly open the dry breaks on each tank (one at a time)

3) Is pressure relieved on each tank about the same **YES** **NO**

Option 2

1) Pressurize a tank to 2.10"WC and test the pressure in each tank using a pressure gauge on each vapor riser adaptor.

2) Is pressure readings from each tank about the same **YES** **NO**

Option 3

1) After conducting a pressure decay test, while the tanks are still pressurized.

2) Briefly open the dry breaks on each tank (one at a time)

3) Is pressure relieved from each tank about the same **YES** **NO**

If the answer is yes, using the above options, then the tanks have passed the tie-tank test. PASSED FAILED

Comments:

Rocky Lyon — *Print Name* | *Signature* | 1/27/09 — *Date*

owner or authorized representative:

MANJINDER SINGH — *Print Name* | Manjinder Singh — *Signature* | 02/17/09 — *Date*

Gas Station Audit

Required by Regulation II Section 2.07

Station: Shell 29625	Registration Number:
Address: 29625 Pacific Hwy S.	Owner:
City: Federal WAY WA	Phone: 253-941-1611
Zip 98003	Annual Gasoline _____ Gallons Throughput (January-December)

Person Conducting the Audit:

Name:	Brian Fitz
Company:	SME Solutions
Address:	2302 A Street
City/Zip:	Tacoma WA 98402
Phone:	253-572-3822

Date and Time of the Audit:

Date:	1/27/09
Time:	

Compliance testing

* 1) Is all vapor recovery equipment CARB Certified? (Yes)/No	List all Non-CARB vapor recovery equipment found in comment section at end of report	CARB Executive Order Numbers: Stage 1 Stage 2
2) Was Compliance testing conducted as a part of the audit?		(Yes)/No
3) Dates of last 2 years of passing compliance tests	Date:	Date: 07
* 4) Has the station passed all compliance tests over the last 2 years?		Yes/No

~~Circle tests conducted for this year:~~

Pressure decay	Tie Tank Test	Back Pressure	Air to Liquid Ratio
~~Other (please list)~~			

List any defective equipment found during this year's current tests:

Auditor must inspect all stage 1 and 2 equipment

Form #70-149-1 10-7-04 LCV

Training:

Training Method circle one

5) PS Clean Air Agency Video	Yes	No

If no to question #5, did the owners training include items 6-12?

6) The location, function and operation of vapor recovery equipment?	Yes/No
7) Why vapor recovery equipment must be inspected and maintained?	Yes/No
8) How to inspect vapor recovery equipment?	Yes/No
9) How to recognize a defect?	Yes/No
10) Appropriate corrective actions when defects are discovered?	Yes/No
11) How to keep the necessary records?	Yes/No
12) The penalties for noncompliance?	Yes/No
13) Does the station owner have logs of employee training?	Yes/No

Who received training over the last 12 months?

Employee Name	Date of Hire	Date of Training
SEE Log Book		

Onsite Self Inspection Records:

14) Does the employees use the clipboard supplied by the Agency	Yes/No	15) **If not, does the facilities inspection list cover the same equipment and frequency as PS Clean Air Agency's clipboard?**	Yes/No

16) Are stage 1 inspection records on site?	Yes/No	
17) Are there daily stage 2 records on site?	Yes/No	
* 18) Were all stage 1 and 2 inspections over the last 12 months on site?	Stage 1 Yes/No	Stage 2 Yes/No
19) Were Defects noted and promptly repaired?	Yes/No	
20) Is the station using agency provided inspection forms?	Yes/No	

If the answer is no, do the inspection forms contain the following:

21) Date of inspection?	Yes/No
22) Name of person conducting the inspection?	Yes/No
23) Description of the defects found during the inspection?	Yes/No
24) Date and time of repair of the defects?	Yes/No

**Comment Section: If questions 1, 4 or 18 are answered with a No, please explain below:*

I certify that all information submitted for this audit is true, accurate and complete to the best of my knowledge based on information supplied by the gas station owner/operator.

Auditors Signature	**Date** 1/27/09

I receive a copy of the gas station audit conducted by the above contractor.

Manjinder Singh **Station Owner/Manger Signature**	02/17/09 **Date**

Monitori_, System Equipment Certification

This form must be used to document testing and servicing of monitoring equipment. A separate certification or report must be prepared for each monitoring system control panel by the technician who performs the work. A copy of this form must be provided to the tank system owner/operator. The owner/operator must submit a copy of this form to the local agency regulating UST system within 30 days of test date.

A. General Information

Facility Name: **Shell 29625** Bldg. No.:

Site Address: **29625 Pacific Hwy. S. @ S Dash Point Rd.** City: **Federal Way, WA** Zip: **98003-**

Facility Contact Person: Contact Phone No.: **(253) 941-1611**

Make/Model of Monitoring System: VR TLS350 Date of Testing/Servicing: **1/27/09**

B. Inventory of Equipment Tested/Certified

Check the appropriate boxes to indicate specific equipment inspected/serviced:

Tank ID: Unlead Master
- [X] In - Tank Gauging Probe. Model: Mag 7
- [ ] Annular Space or Vault Sensor. Model:
- [ ] Piping Sump \ Trench Sensor (s). Model:
- [ ] Fill Sump Sensor (s). Model: VR 352
- [ ] Mechanical Line Leak Detector. Model: LD 2200
- [ ] Electronic Line Leak Detector. Model:
- [ ] Tank Overfill \ High-Level Sensor. Model: UTV
- [ ] Other (specify equipment type and model in Section E on Page 2).

Tank ID: Unlead Syphon
- [X] In - Tank Gauging Probe. Model: Mag 7
- [ ] Annular Space or Vault Sensor. Model:
- [ ] Piping Sump \ Trench Sensor (s). Model:
- [ ] Fill Sump Sensor (s). Model:
- [ ] Mechanical Line Leak Detector. Model:
- [ ] Electronic Line Leak Detector. Model:
- [ ] Tank Overfill \ High-Level Sensor. Model: UTV
- [ ] Other (specify equipment type and model in Section E on Page 2).

Tank ID: Premium
- [X] In - Tank Gauging Probe. Model: Mag 7
- [ ] Annular Space or Vault Sensor. Model:
- [ ] Piping Sump \ Trench Sensor (s). Model:
- [X] Fill Sump Sensor (s). Model: VR 352
- [X] Mechanical Line Leak Detector. Model: LD 2200
- [ ] Electronic Line Leak Detector. Model:
- [ ] Tank Overfill \ High-Level Sensor. Model: UTV
- [ ] Other (specify equipment type and model in Section E on Page 2).

Tank ID: Diesel
- [X] In - Tank Gauging Probe. Model: Mag 7
- [ ] Annular Space or Vault Sensor. Model:
- [ ] Piping Sump \ Trench Sensor (s). Model:
- [X] Fill Sump Sensor (s). Model: VR 352
- [X] Mechanical Line Leak Detector. Model: FX-ID
- [ ] Electronic Line Leak Detector. Model:
- [ ] Tank Overfill \ High-Level Sensor. Model: UTV
- [ ] Other (specify equipment type and model in Section E on Page 2).

Dispenser ID: 1-8
- [ ] Dispenser Containment Sensor (s). Model:
- [X] Shear Valve (s).
- [ ] Dispenser Containment Float (s) and Chain (s).

Dispenser ID:
- [ ] Dispenser Containment Sensor (s). Model:
- [ ] Shear Valve (s).
- [ ] Dispenser Containment Float (s) and Chain (s).

Dispenser ID:
- [ ] Dispenser Containment Sensor (s). Model:
- [ ] Shear Valve (s).
- [ ] Dispenser Containment Float (s) and Chain (s).

Dispenser ID:
- [ ] Dispenser Containment Sensor (s). Model:
- [ ] Shear Valve (s).
- [ ] Dispenser Containment Float (s) and Chain (s).

Dispenser ID:
- [ ] Dispenser Containment Sensor (s). Model:
- [ ] Shear Valve (s).
- [ ] Dispenser Containment Float (s) and Chain (s).

Dispenser ID:
- [ ] Dispenser Containment Sensor (s). Model:
- [ ] Shear Valve (s).
- [ ] Dispenser Containment Float (s) and Chain (s).

*If the facility contains more tanks or dispensers, copy this form. Include information for every tank and dispenser at the facility

C. Certification

I certify that the equipment identified in this document was inspected/serviced in accordance with the manufacturer's guidelines. Attached to this Certification is information (e.g. manufactures' checklists) necessary to verify that this information is correct and a Plot Plan showing the layout of monitoring equipment. For any equipment capable of generating such reports, I have also attached a copy of the; *(check all that apply):* [X] System set-up [ ] Alarm history report

Technician Name (print): **Brian Fite** Signature:

Mfg. Cert.#.: 385176 ICC# 5275958-03 License. No.:

Testing Company Name: **SME** Solutions Phone No.: **(253) 572-3822**

Testing Company Address: **2302 A St., Tacoma WA 98402** Date of Testing/Servicing: **1/27/09**

Site Address: 29625 Pacific Hwy. S. @ S Dash Point Rd. Date of Testing/Servicing: 1/27/09

D. Results of Testing / Servicing

Software Version Installed: Version 127.02

Complete the following checklist:

☒ Yes	☐ No*	Is the audible alarm operational?
☒ Yes	☐ No*	Is the visual alarm operational?
☒ Yes	☐ No*	Were all sensors visually inspected, functionally tested, and confirmed operational?
☒ Yes	☐ No*	Were all sensors installed at lowest point of secondary containment and positioned so that other equipment will not interfere with their proper operation?
☐ Yes	☐ No* ☒ N/A	If alarms are relayed to a remote monitoring station, is all communications equipment (e.g. modem) operational?
☐ Yes	☐ No* ☒ N/A	For pressurized piping systems, does the turbine automatically shut down if the piping secondary containment monitoring system detects a leak, fails to operate, or is electrically disconnected? If yes: which sensors initiate positive shut-down? *(Check all that apply)* ☐ Sump/Trench Sensors; ☐ Dispenser Containment Sensors. Did you confirm positive shut-down due to leaks and sensor failure/disconnection? ☐ Yes ☐ No
☐ Yes	☒ No* ☒ N/A	For tank systems that utilize the monitoring system as the primary tank overfill warning device (i.e. no mechanical overfill prevention valve is installed), is the overfill warning alarm visible and audible at the tank fill point(s) and operating properly? If so, at what percent of tank capacity does the alarm trigger? 90 %
☐ Yes*	☐ No	Was any monitoring equipment replaced? If yes, identify specific sensors, probes, or other equipment replaced and list the manufacturer name and model for all replacement parts in Section E, below.
☐ Yes*	☐ No	Was liquid found inside any secondary containment systems designed as dry systems? *(Check all that apply)* ☐ Product; ☐ Water. If yes, describe causes in Section E, below.
☐ Yes	☐ No*	Was monitoring system set-up reviewed to ensure proper settings? *(Attach set-up reports, if applicable.)*
☐ Yes	☐ No*	Is all monitoring equipment operational per manufacturer's specifications?

*** In Section E below, describe how and when these deficiencies were or will be corrected.**

E. Comments: ✓ VR001 SET AT 90% OVERFILL LIMIT.

Site Address: 29625 Pacific Hwy. S. @ S Dash Point Rd. Date of Testing/Servicing: 1/27/09

F. In - Tank Gauging / SIR Equipment:

☐ Check this box if tank gauging is used only for inventory control.
☐ Check this box if no tank gauging or SIR equipment is installed.

This section must be completed if in-tank gauging equipment is used to perform leak detection monitoring.

Complete the following checklist:

☐ Yes	☐ No*	Has all input wiring been inspected for proper entry and termination, including testing for ground faults?
☐ Yes	☐ No*	Were all tank gauging probes visually inspected for damage and residue buildup?
☐ Yes	☐ No*	Was accuracy of system product level readings tested?
☐ Yes	☐ No*	Was accuracy of system water level readings tested?
☐ Yes	☐ No*	Were all probes reinstalled properly?
☐ Yes	☐ No*	Were all items on the equipment manufacturer's maintenance checklist completed?

*** In Section H below, describe how and when these deficiencies were or will be corrected.**

G. Line Leak Detectors (LLD):

☐ Check this box if LLD's are not installed.

Complete the following checklist:

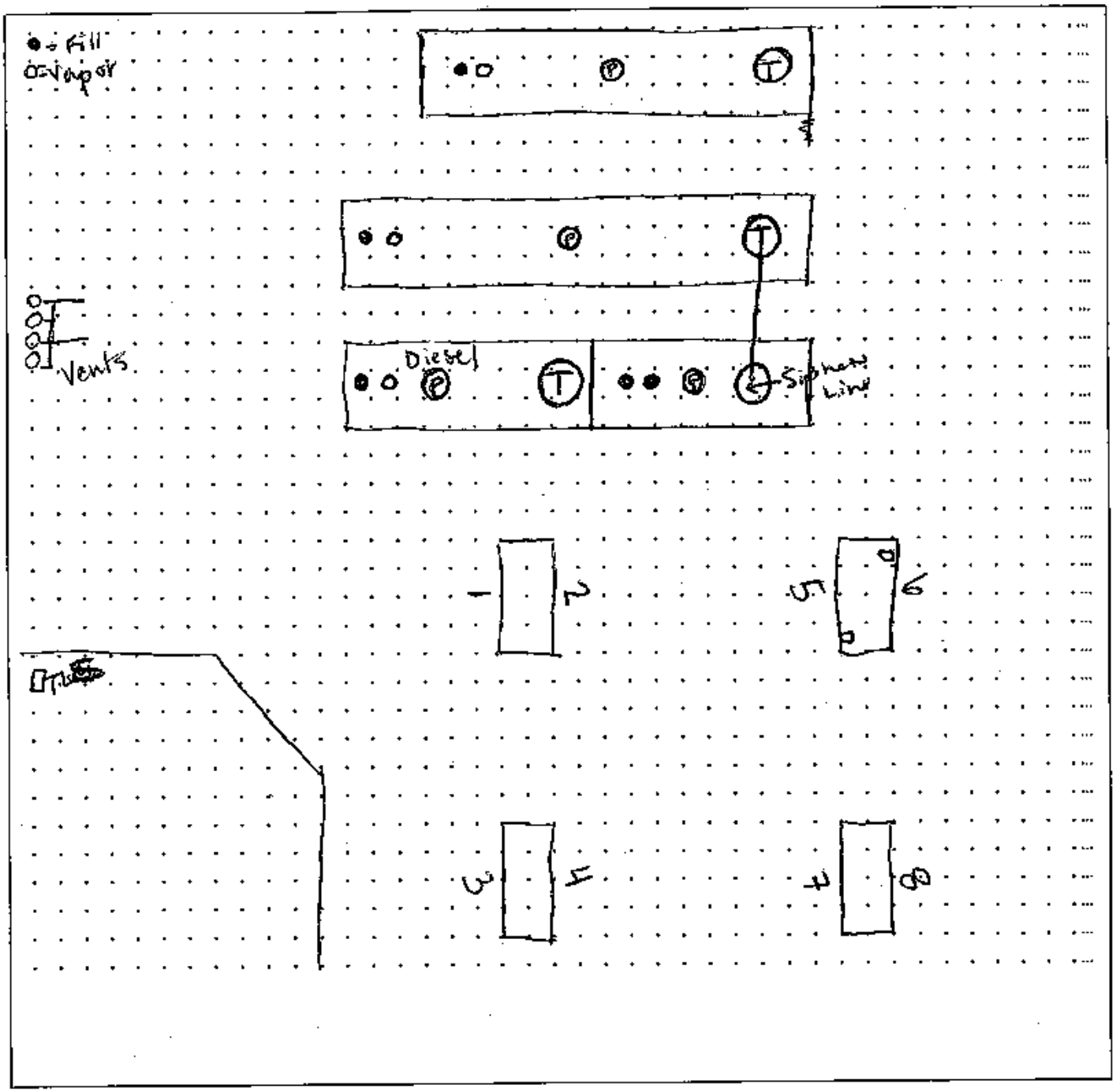
☐ Yes	☐ No* ☐ N/A	For equipment start-up or annual equipment certification was a leak simulated to verify LLD performance? *(Check all that apply)* Simulated leak reate: ☐ 3 g.p.h. (1.); ☐ 0.1 g.p.h. (2.); ☐ 0.2 g.p.h. (2.). Notes: 1. Required for equipment start-up certification and annual certification. 2. Unless mandated by local agency, certification required only for electronic LLD start-up.
☐ Yes	☐ No*	Were all LLD's confirmed operational and accurate within regulatory requirements?
☐ Yes	☐ No*	Was the testing apparatus properly calibrated?
☐ Yes	☐ No* ☐ N/A	For mechanical LLD's, does the LLD restrict product flow if it detects a leak?
☐ Yes	☐ No* ☐ N/A	For electronic LLD's, does the turbine automatically shut off if the LLD detects a leak?
☐ Yes	☐ No* ☐ N/A	For electronic LLD's, does the turbine automatically shut off if any portion of the monitoring system is disabled or disconnected?
☐ Yes	☐ No* ☐ N/A	For electronic LLD's, does the turbine automatically shut off if any portion of the monitoring system malfunctions or fails a test?
☐ Yes	☐ No* ☐ N/A	For electronic LLD's, have all accessible wiring connections been visually inspected?
☐ Yes	☐ No*	Were all items on the equipment manufacturer's maintenance checklist completed?

*** In Section H below, describe how and when these deficiencies were or will be corrected.**

H. Comments:

Monitoring System Certification
UST Monitoring Site Plan
29625 Pacific Hwy. S. @ S Dash Point Rd. in...

1/26/09



Date map was drawn: 1/27/09

Instructions

On your site plan, show the general layout of tanks and piping. Clearly identify locations of the following equipment, if installed: monitoring system control panels; sensors monitoring tank annular spaces, sumps, dispenser pans, spill containers, or other secondary containment areas; mechanical or electronic line leak detectors; and in-tank liquid level probes (if used for leak detection). In the space provided, note the date this Site Plan was prepared.

Mechanical Leak Detector Test Data Sheet

Station # 29625 Date 1/27 2009

Address 29625 Pacific Hwy S.
Federal Way WA 98003

Test Information

	1	2	3	4	5
Product	UNLEADED	PREMIUM	DIESEL		
Manufacturer	VMI	VMI	RED JACKET		
Model	LD2200	LD2200	FX1D		
Full Operating Pressure (PSI)	26	26	30		
Line Bleed Back (ml)	25	35	40		
Trip Time (sec)	2	2	2		
Metering Pressure (PSI)	17	17	5		
F/E Holding Pressure (PSI)	18	14	12		
Test Leak Rate (ml/min)(gph)	3GPH	3GPH	3GPH		
PASS or FAIL	PASS	PASS	PASS		

Comments:

This letter certifies that the annual leak detector tests were performed at the above referenced facility according to the equipment manufacturers procedures and limitations and the results as listed are to my knowledge true and correct. The mechanical leak detector test pass/fail is determined using a low flow threshold trip rate of 3 gph at 10 PSI.

Inspected By: Contractor SME SOLUTIONS

Technician Brian Fite 5275958-U3

Signature

NWRO - King

UST # 8504

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TCP-NWRO

Underground Storage Tank

Check those activities which apply: ☒ Tightness Testing Checklist ☐ Retrofit/Repair checklist ☐ Cathodic Protection Checklist

The attached Underground Storage Tank (UST) checklists are required for each of the listed activities. The checklists certify that Tightness Testing, Retrofit/Repair and/or Cathodic Protection activities are performed and conducted in accordance with Chapter 173,360 WAC. **Complete this form and the corresponding UST checklist for each activity checked above.**

See back of form for instructions.

1. UST SYSTEM LOCATION AND OWNER

UBI Number: 602 637 530 010 001 (UBI # from Master Business License)

Site ID Number: A3797 (Available from Ecology if tank is registered)

Site/Business Name: Shell Mini Mart

Site Address: 29625 Pacific Hwy S (Street)

County

Federal Way (City) Washington (State) 98006-0000 (Zip+4 required)

Telephone: 253-941-1611

UST Owner/Operator: Shell Mini Mart

Mailing Address: 29625 Pacific Hwy S (Street) P.O. Box

Federal Way (City) WA (State) 98006-0000 (Zip+4 required)

Telephone: 253-941-1611

2. FIRM PERFORMING WORK

Service Company: Northwest Tank & Environmental Services, Inc.

Service Co. Address: 17407 59th Ave SE (Street) Snohomish (County)

Snohomish (City) Washington (State) 98926 (Zip+4 required)

Certified Supervisor: Scott Pike

Address: 17407 59th Ave SE (Street) P.O. Box

Snohomish (City) Washington (State) 98926 (Zip+4 required)

IFC) Certification Number: PIKE0005-U3

Certification issue Date (Month/Year): 2/7/2006

Telephone: (425) 742-9622

Ecology is an equal opportunity and affirmative action employer

For special accommodation needs, please contact the Underground Storage Tanks Section at (360) 407-7170.

8504

Underground Storage Tank

Tightness Testing Checklist

Site ID # A3797
Site Address 29625 Pacific Hwy S
City Federal Way

For more than four UST systems, you may photocopy this form prior to completing.

I. TIGHTNESS TESTING METHOD **Date of Test:** 1/23/2008

1 Tightness testing method(s) used (indicate if more than one method was used):
Test method name/version/Manfacturer: N/A
LDT-890

Note: A tank must be tested up to the product level limited by the overfill prevention device. If an overfill prevention device is not installed, a tank must be tested up to the 95% full level. When underfill volumetric testing methods are used, the tank must be; 1) filled with product to the 95% full level or 2) the portion of the tank above the product level must be tested using a nonvolumetric method which meets performance standards, for tightness testing.

2. Indicate the method used to determine if groundwater was present above the bottom of the tank during the test (required for single wall tanks): N/A

3. Method used for release detection:
ATG

4. Reason for conducting tightness test:
Required release detection method

5 Type of test conducted:
Leak Detectors only

6. Test method type:
Volumetric

II. TEST METHOD CHECKLIST

The following items shall be initialed by the Certified Supervisor whose signature appears on this form.

	Yes/No/NA	Initials
1. Has the tightness testing method used been demonstrated to meet the performance standard specified in the UST rules for the conditions under which the test was conducted? (e.g., detecting a 0.10 gallon per hour leak rate with probability of detection of at least 95% and a probability of false alarm of no	Yes	
2. Have all written testing procedures developed by the manufacturer of the testing equipment and method been followed while the test was being set up and	Yes	
3. Was the product level in the tank during the test within the limitations of the test methods performance standards?	N/A	
4. If groundwater was present above the bottom of the tank, have the testing procedures accounted for its presence? (required for single wall tanks)	N/A	
5. If the tightness test is considered a failed test, has the owner/operator been notified of the test results? (Note: Tank owner must report a failed tightness test as a suspected release within 24 hours to UST staff at the appropriate Ecology	N/A	

* Item not applicable

Site ID # A3797
Site Address 29625 Pacific Hwy S
City Federal Way

Tightness Testing Checklist (continued)

III. TANK INFORMATION CHECKLIST

	1	2	3	4		
1. Tank ID# (tank name registered with Ecology)						
2. Date installed	Unk	Unk	Unk	Unk		
3. Tank capacity in gallons	12000	4000	10000	8000		
4. Last substance stored	Regular	Regular	Premium	Diesel		
5. Number of tank compartments	1	2	1	2		
6. Tank type: (S) single wall; (D) double wall; (P) partitioned	DW	DW	DW	DW		
7. Is overfill device present? (Yes/No)	Ball Float	Ball Float	Ball Float	Ball Float		
8. Percentage of product in tank during test? (Volume % must comply with test method certification requirements)	N/A	N/A	N/A	N/A		
9. The test method used can detect a leak of how many GPH?	.05	.05	.05	.05		
10. The numerical tank test results are? (In gallons per hour)	N/A	N/A	N/A	N/A		
11. Based on evaluating test results and conducting any retesting as necessary as per test protocol to obtain conclusive test results; the test results are?	Not Tested	Not Tested	Not Tested	Not Tested		

IV. Line Information

	Regular	Premium	Diesel			
1. Piping type: (S) single wall; (D) double wall	Double	Double	Double			
2. Pump type: (T) turbine; (S) suction	Pressure	Pressure	Pressure			
3. (a) If turbine, is leak detector present (Yes/No)	Yes	Yes	Yes			
(1) If present, was lead seal intact? (Yes/No N/A)	No	No	No			
(2) Line leak detector results? (Pass/Fail)	Pass	Pass	Pass			
(b) If suction, check valve located at? (T) tank (P) pump	N/A	N/A	N/A			
4. The numerical line test results are? (gallons per hour)	N/A	N/A	N/A			
5. Line tightness test results? (Pass/Fail)	Not Tested	Not Tested	Not Tested			

* Inconclusive test results for tanks or piping will not be considered as valid tightness test for the purposes of complying with UST release detection regulations.

V. REQUIRED SIGNATURES

I hereby attest, that I have been the Certified Supervisor present during the above listed testing activities, and to the best of my knowledge they have been conducted in compliance with all applicable state and federal laws, regulations and procedures, pertaining to underground storage tanks.

Persons submitting false information are subject to formal enforcement and/or penalties under Chapter 173.360 WAC.

1/23/2008		Scott Pike
Date	Signature of Certified Supervisor	Printed Name
02-07-2008	Manjinder Singh	MANJINDER SINGH
Date	Signature of Tank Owner/Authorized Representative	Printed Name

NWRO-Entry
8504

Underground Storage Tank

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ECOLOGY

FS# 79813564

Check those activities which apply: ☒ Tightness Testing Checklist
☐ Retrofit/Repair checklist
☐ Cathodic Protection Checklist

The attached Underground Storage Tank (UST) checklists are required for each of the listed activities. The checklists certify that Tightness Testing, Retrofit/Repair and/or Cathodic Protection activities are performed and conducted in accordance with Chapter 173.360 WAC. **Complete this form and the corresponding UST checklist for each activity checked above.**

See back of form for instructions.

1. UST SYSTEM LOCATION AND OWNER

UBI Number: 602 527 602 (UBI # from Master Business License)
Site ID Number: 0 (Available from Ecology if tank is registered)

Site/Business Name: Shell Mini Mart

Site Address: 29625 Pacific Hwy S (Street) Peirce (County)
Federal Way (City) Washington (State) 98006 (Zip+4 required)

Telephone: 253-941-1611

UST Owner/Operator: Shell Mini Mart

Mailing Address: 29625 Pacific Hwy S (Street) (P.O. Box)
Federal Way (City) WA (State) 98006 (Zip+4 required)

Telephone: 253-941-1611

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FEB 26 2007
DEPT OF ECOLOGY

2. FIRM PERFORMING WORK

Service Company: Northwest Tank & Environmental Services, Inc.

Service Co. Address: 17407 59th Ave SE (Street) Snohomish (County)
Snohomish (City) Washington (State) 98926 (Zip+4 required)

Certified Supervisor: Josh Raymond

Address: 17407 59th Ave SE (Street) (P.O. Box)
Snohomish (City) Washington (State) 98926 (Zip+4 required)

IFC! Certification Number: 4141028880-U3
Certification Issue Date (Month/Year): 9/9/2006

Telephone: (425) 742-9622

Ecology is an equal opportunity and affirmative action employer
For special accommodation needs, please contact the Underground Storage Tanks Section at (360) 407-7170.

8504

Checklist Instructions

After completing these checklist(s), return to: **Underground Storage Tank Section**
Department of Ecology
P.O. Box 47655
Olympia, WA 98504-7655

Please Read Carefully

Checklist(s) are to be completed by a Certified UST Supervisor and submitted to Ecology within 30 days of the tank work being performed. The Owner/Operator is responsible for ensuring that the work is performed and that the checklist(s) are submitted to Ecology. Mark the appropriate box(es) for Tank Tightness Testing, Retrofitting/Repair, and/or Cathodic Protection. Complete the appropriate checklist for the UST Activity performed. On each checklist, complete the Site ID number and/or the UBI number, site address and site city on each page (if copied on a single side). Submit the coversheet that contains the site and owner information with the checklist. The checklist should show all tank information that was worked on. For more than four UST systems, please photocopy the checklist prior to completing. Be sure that the Owner or the Authorized Representative **AND** Certified Supervisor sign the appropriate checklist.

Cover Sheet

Site and Owner Information

Fill in the site and owner information. Include the Ecology Site ID number, if known, and/or UBI number (Uniform Business Identification) from the master business license. Also be sure to provide telephone number so that any problems can be resolved quickly.

Firm and Certified Supervisor Information

List the firm performing the work as well as the Certified Supervisor's name and Certification Number. Ask to see the Supervisor's Tightness Testing, Retrofitting/Repair and/or Cathodic Protection IFCI Certification and make sure that the Supervisor signs the appropriate checklist for work performed.

Please Note Individuals performing services MUST be certified by the International Fire Code Institute (IFCI), or other recognized association by which they demonstrate appropriate knowledge pertaining to UST's or have passed another qualifying exam approved by the

Checklists

The Tightness Testing Checklist shall be completed and signed by a Certified Tightness Testing Supervisor. The supervisor shall be on site during all tank tightness testing activities. Up to four tanks per site may be reported on a single checklist; additional tanks will require additional checklists. A Tightness Testing Checklist must be completed for each UST system (tank and associated piping) being tested as well as following most retrofit/repairs.

The tank owner or operator must report a failed tightness test as a suspected release to UST staff at the appropriate Ecology regional office within 24 hours.

The Retrofitting/Repair Checklist shall be completed and signed by a IFCI Certified Installation and Retrofitting Supervisor. The Certified Supervisor shall be on site when all retrofitting/repair activities are being conducted.

The Cathodic Protection Checklist shall be completed and signed by an IFCI Certified Cathodic Protection Supervisor. The Certified Supervisor shall be on site when all cathodic protection activities are being conducted. Retrofitting and/or repairs to a Cathodic Protection system should be indicated on the Cathodic Protection Checklist.

Underground Storage Tank

Tightness Testing Checklist

Site ID 0
Site Address 29625 Pacific Hwy S
City Federal Way

For more than four UST systems, you may photocopy this form prior to completing.

I. TIGHTNESS TESTING METHOD **Date of Test:** 1/2/2007

1 Tightness testing method(s) used (indicate if more than one method was used):
Test method name/version/Manfacturer: N/A
LDT-890

Note: A tank must be tested up to the product level limited by the overfill prevention device. If an overfill prevention device is not installed, a tank must be tested up to the 95% full level. When underfill volumetric testing methods are used, the tank must be; 1) filled with product to the 95% full level or 2) the portion of the tank above the product level must be tested using a nonvolumetric method which meets performance standards, for tightness testing.

2. Indicate the method used to determine if groundwater was present above the bottom of the tank during the test (required for single wall tanks): NA

3. Method used for release detection:

ATG

4. Reason for conducting tightness test:

Required release detection method

5. Type of test conducted:

Leak Detectors only

6. Test method type:

Volumetric

II. TEST METHOD CHECKLIST

The following items shall be initialed by the Certified Supervisor whose signature appears on this form.

	Yes/No/NA	Initials
1. Has the tightness testing method used been demonstrated to meet the performance standard specified in the UST rules for the conditions under which the test was conducted? (e.g., detecting a 0.10 gallon per hour leak rate with probability of detection of at least 95% and a probability of false alarm of no mare than 5%).	Yes	
2. Have all written testing procedures developed by the manufacturer of the testing equipment and method been followed while the test was being set up and	Yes	
3. Was the product level in the tank during the test within the limitations of the test methods performance standards?	Yes	
4. If groundwater was present above the bottom of the tank, have the testing procedures accounted for its presence? (required for single wall tanks)	N/A	
5. If the tightness test is considered a failed test, has the owner/operator been notified of the test results? (Note: Tank owner must report a failed tightness test as a suspected release within 24 hours to UST staff at the appropriate Ecology regional	N/A	

* Item not applicable

Site ID # 0
Site Address 29625 Pacific Hwy S
City Federal Way

Tightness Testing Checklist (continued)

III. TANK INFORMATION CHECKLIST

	1	2	3	4		
1. Tank ID# (tank name registered with Ecology)						
2. Date installed						
3. Tank capacity in gallons	12000	2000	10000	8000		
4. Last substance stored	Regular	Regular	Midgrade	Premium		
5. Number of tank compartments	1	1	2	2		
6. Tank type: (S) single wall; (D) double wall; (P) partitioned	DW	DW	DW P	DW P		
7. Is overfill device present? (Yes/No)	Ball Float	Ball Float	Ball Float	Ball Float		
8. Percentage of product in tank during test? (Volume % must comply with test method certification requirements)						
9. The test method used can detect a leak of how many GPH?	.05	.05	05	.05		
10. The numerical tank test results are? (in gallons per hour)						
11. Based on evaluating test results and conducting any retesting as necessary as per test protocol to obtain conclusive test results; the test results are?						

IV. Line Information

	Regular	Midgrade	Premium			
1. Piping type: (S) single wall; (D) double wall	Double	Double	Double			
2. Pump type: (T) turbine; (S) suction	Pressure	Pressure	Pressure			
3. (a) If turbine, is leak detector present (Yes/No)	Yes	Yes	Yes			
(1) If present, was lead seal intact? (Yes/No N/A)	No	No	No			
(2) Line leak detector results? (Pass/Fail)	FAIL	PASS	PASS			
(b) If suction, check valve located at? (T) tank (P) pump	N/A	N/A	N/A			
4. The numerical line test results are? (gallons per hour)	N/A	N/A	N/A			
5. Line tightness test results? (Pass/Fail)	N/A	N/A	N/A			

* Inconclusive test results for tanks or piping will not be considered as valid tightness test for the purposes of complying with UST release detection regulations.

V. REQUIRED SIGNATURES

I hereby attest, that I have been the Certified Supervisor present during the above listed testing activities, and to the best of my knowledge they have been conducted in compliance with all applicable state and federal laws, regulations and procedures, pertaining to underground storage tanks.

Persons submitting false information are subject to formal enforcement and/or penalties under Chapter 173.360 WAC.

1/2/2007		Josh Raymond
Date	Signature of Certified Supervisor	Printed Name
02-12-07	Manjinder Singh	MANJINDER SINGH
Date	Signature of Tank Owner/Authorized Representative	Printed Name

Site # 8504

Underground Storage Tank

Tightness Testing Checklist

Site Address 29625 Pacific Hwy S

City Federal Way

For more than four UST systems, you may photocopy this form prior to completing.

I. TIGHTNESS TESTING METHOD **Date of Test:** 11/16/2005

1 Tightness testing method(s) used (indicate if more than one method was used):
Test method name/version ☐ Accurite (Line) ☐ 2001 / P(Tank) ☐ 2000 / P(Tank) ☐ 2000 / U
Test method Manufacturer ☐ Services and Training Corp(Line)
☐ USTest - Sound Services (Tank) ☒ VMI LDT 890(leak detector)

Note: A tank must be tested up to the product level limited by the overfill prevention device. If an overfill prevention device is not installed, a tank must be tested up to the 95% full level. When underfill volumetric testing methods are used, the tank must be; 1) filled with product to the 95% full level or 2) the portion of the tank above the product level must be tested using a nonvolumetric method which meets performance standards, for tightness testing.

2. Indicate the method used to determine if groundwater was present above the bottom of the tank during the test (required for single wall tanks): n/a

3. Method used for release detection:
- ☐ Weekly manual gauging
- ☐ Daily manual inventory control
- ☒ Automatic tank gauging (ATG)
- ☐ Interstitial monitoring
- ☐ Other (describe)

4. Reason for conducting tightness test:
- ☒ Required for release detection requirement
- ☐ Bring temporarily closed tanks back into service
- ☐ Tank or piping repair
- ☐ Other (describe)

5. Type of test conducted:
- ☐ Tank tightness test only
- ☐ Line tightness test only
- ☐ Total system test (tank and lines tested togeth
- ☒ Leak Detector Only

6. Test method type:
- ☐ Overfill volumetric
- ☐ Underfill volumetric
- ☒ Nonvolumetric
- ☐ Volumetric

II. TEST METHOD CHECKLIST

The following items shall be initialed by the Certified Supervisor whose signature appears on this form.

	Yes	No	N/A*
1. Has the tightness testing method used been demonstrated to meet the performance standard specified in the UST rules for the conditions under which the test was conducted? (e.g., detecting a 0.10 gallon per hour leak rate with probability of detection of at least 95% and a probability of false alarm of no	☑	☐	☐
2. Have all written testing procedures developed by the manufacturer of the testing equipment and method been followed while the test was being set up and	☑	☐	☐
3. Was the product level in the tank during the test within the limitations of the test methods performance standards?	☐	☐	☑
4. If groundwater was present above the bottom of the tank, have the testing procedures accounted for its presence? (required for single wall tanks)	☐	☐	☑
5. If the tightness test is considered a failed test, has the owner/operator been notified of the test results? (Note: Tank owner must report a failed tightness test as a suspected release within 24 hours to UST staff at the appropriate	☐	☐	☑

* Item not applicable

Site ID #
Site Address 29625 Pacific Hwy S
City Federal Way

Tightness Testing Checklist (continued)

III. TANK INFORMATION CHECKLIST

	Tank 1	Tank 2	Tank 3	Tank 4
1. Tank ID# (tank name registered with Ecology)				
2. Date installed				
3. Tank capacity in gallons	12000	2000	10000	8000
4. Last substance stored	Regular	Regular	Midgrade	Premium
5. Number of tank compartments				
6. Tank type: (S) single wall; (D) double wall; (P) partitioned				
7. Is overfill device present? (Yes/No)				
8. Percentage of product in tank during test? (Volume % must comply with test method certification requirements)				
9. The test method used can detect a leak of how many GPH?	+/- 0.05	+/- 0.05	+/- 0.05	+/- 0.05
10. The numerical tank test results are? (In gallons per hour)				
11. Based on evaluating test results and conducting any retesting as necessary as per test protocol to obtain conclusive test results; the test results are?				

IV. Line Information

	Line 1	Line 2	Line 3	Line 4
1. Piping type: (S) single wall; (D) double wall	D	n/a	D	D
2. Pump type: (T) turbine; (S) suction	T	n/a	T	T
3. (a) If turbine, is leak detector present (Yes/No)	Yes	n/a	Yes	Yes
(1) If present, was lead seal intact? (Yes/No N/A)	N/A	n/a	N/A	N/A
(2) Line leak detector results? (Pass/Fail)	Pass	n/a	Pass	Pass
(b) If suction, check valve located at? (T) tank (P) pum	N/A	n/a	N/A	N/A
4. The numerical line test results are? (gallons per hour)	N/A	n/a	N/A	N/A
5. Line tightness test results? (Pass/Fail)	N/A	n/a	N/A	N/A

* Inconclusive test results for tanks or piping will not be considered as valid tightness test for the purposes of complying with UST release detection regulations.

V. REQUIRED SIGNATURES

I hereby attest, that I have been the Certified Supervisor present during the above listed testing activities, and to the best of my knowledge they have been conducted in compliance with all applicable state and federal laws, regulations and procedures, pertaining to underground storage tanks.

Persons submitting false information are subject to formal enforcement and/or penalties under Chapter 173,360 WAC.

Date	Signature of Certified Supervisor	Printed Name
11/16/2005		Erik Snyder
12-22-05		RANJIT S. RAI

Date — Signature of Tank Owner/Authorized Representative — Printed Name

* * * Error Report (Dec. 22. 2005 7:36PM) * * *

1) Northwest Regional Office
2) Department of Ecology

File No.	User Name	Destination	Mode	Time	Page	Result
1393			G3RES	1'20"	P. 2	E

Page not received

P. 2

Quick Service Code

00-20

# : Batch	C : Confidential	$: Transfer	P : Polling
M : Memory	L : Send later	@ : Forwarding	F : ECM
S : Standard	D : Detail	F : Fine	U : Super Fine
> : Reduction	H : Stored/D. Server	* : LAN-Fax	+ : Delivery
Q : RX Notice Req.	A : RX Notice		

Site ID #
Site Address 29625 Pacific Hwy S
City Federal Way

Tightness Testing Checklist (continued)

III. TANK INFORMATION CHECKLIST

	Tank 1	Tank 2	Tank 3	Tank 4
1. Tank ID# (tank name registered with Ecology)				
2. Date installed				
3. Tank capacity in gallons	12000	2000	10000	8000
4. Last substance stored	Regular	Regular	Midgrade	Premium
5. Number of tank compartments				
6. Tank type: (S) single wall; (D) double wall; (P) partitioned				
7. Is overfill device present? (Yes/No)				
8. Percentage of product in tank during test? (Volume % must comply with test method certification requirements)				
9. The test method used can detect a leak of how many GPH?	+/- 0.05	+/- 0.05	+/- 0.05	+/- 0.05
10. The numerical tank test results are? (in gallons per hour)				
11. Based on evaluating test results and conducting any retesting as necessary as per test protocol to obtain conclusive test results; the test results are?				

IV. Line Information

	Line 1	Line 2	Line 3	Line 4
1. Piping type: (S) single wall; (D) double wall	D	n/a	D	D
2. Pump type: (T) turbine; (S) suction	T	n/a	T	T
3. (a) If turbine, is leak detector present (Yes/No)	Yes	n/a	Yes	Yes
(1) If present, was lead seal intact? (Yes/No N/A)	N/A	n/a	N/A	N/A
(2) Line leak detector results? (Pass/Fail)	Pass	n/a	Pass	Pass
(b) If suction, check valve located at? (T) tank (P) pum	N/A	n/a	N/A	N/A
4. The numerical line test results are? (gallons per hour)	N/A	n/a	N/A	N/A
5. Line tightness test results? (Pass/Fail)	N/A	n/a	N/A	N/A

* Inconclusive test results for tanks or piping will not be considered as valid tightness test for the purposes of complying with UST release detection regulations.

V. REQUIRED SIGNATURES

I hereby attest, that I have been the Certified Supervisor present during the above listed testing activities, and to the best of my knowledge they have been conducted in compliance with all applicable state and federal laws, regulations and procedures, pertaining to underground storage tanks.

Persons submitting false information are subject to formal enforcement and/or penalties under Chapter 173.360 WAC.

11/16/2005 — Date

Signature of Certified Supervisor

Erik Snyder — Printed Name

* * * Error Report (Dec. 22. 2005 7:38PM) * * *

1) Northwest Regional Office
2) Department of Ecology

File No.	User Name	Destination	Mode	Time	Page	Result
1395			G3RES	1'33"	P. 3	E

Page not received

P. 3

Quick Service Code

00-20

#	: Batch	C	: Confidential	$	: Transfer	P	: Polling
M	: Memory	L	: Send later	@	: Forwarding	E	: ECM
S	: Standard	D	: Detail	F	: Fine	U	: Super Fine
)	: Reduction	H	: Stored/D. Server	x	: LAN-Fax	+	: Delivery
Q	: RX Notice Req.	A	: RX Notice				

* * * Error Report (Dec. 22. 2005 7:40PM) * * *

1) Northwest Regional Office
2) Department of Ecology

File No.	User Name	Destination	Mode	Time	Page	Result
1397			G3RES	0'53"	P. 1	E

Page not received	Quick Service Code
P. 1	00-01

# : Batch	C : Confidential	$: Transfer	P : Polling
M : Memory	L : Send later	@ : Forwarding	E : ECM
S : Standard	D : Detail	F : Fine	U : Super Fine
> : Reduction	H : Stored/D. Server	* : LAN-Fax	+ : Delivery
O : RX Notice Req.	A : RX Notice		

Underground Storage Tank

Check those activities which apply: ☒ Tightness Testing Checklist
☐ Retrofit/Repair checklist
☐ Cathodic Protection Checklist

The attached Underground Storage Tank (UST) checklists are required for each of the listed activities. The checklists certify that Tightness Testing, Retrofit/Repair and/or Cathodic Protection activities are performed and conducted in accordance with Chapter 173.360 WAC. **Complete this form and the corresponding UST checklist for each activity checked above.**

See back of form for instructions.

1. UST SYSTEM LOCATION AND OWNER

UBI Number: 602 527 602 (UBI # from Master Business License)
Site ID Number: A 3797 (Available from Ecology if tank is registered)

Site/Business Name: Shell Mini Mart

Site Address: 29625 Pacific Hwy S (Street) Peirce (County)
Federal Way (City) Washington (State) 98006 (Zip+4 required)
Telephone: 253-941-1611

UST Owner/Operator: Shell Mini Mart

Mailing Address: 29625 Pacific Hwy S (Street) (P.O. Box)
Federal Way (City) WA (State) 98006 (Zip+4 required)
Telephone: 253-941-1611

2. FIRM PERFORMING WORK

Service Company: Northwest Tank & Environmental Services, Inc.

Service Co. Address: 17407 59th Ave SE (Street) Snohomish (County)
Snohomish (City) Washington (State) 98926 (Zip+4 required)
Certified Supervisor: Erik Snyder

Address: 17407 59th Ave SE (Street) (P.O. Box)
Snohomish (City) Washington (State) 98926 (Zip+4 required)

IFCI Certification Number: 32-US-32025440
Certification Issue Date (Month/Year): 5/9/2005

Telephone: (425) 742-9622

Ecology is an equal opportunity and affirmative action employer
For special accommodation needs, please contact the Underground Storage Tanks Section at (360) 407-7170.

Underground Storage Tank

Tightness Testing Checklist

Site ID #

Site Address 29625 Pacific Hwy S

City Federal Way

For more than four UST systems, you may photocopy this form prior to completing.

I. TIGHTNESS TESTING METHOD

Date of Test: 11/16/2005

1 Tightness testing method(s) used (indicate if more than one method was used):

Test method name/version ☐ Accurite (Line) ☐ 2001 / P(Tank) ☐ 2000 / P(Tank) ☐ 2000 / U

Test method Manufacturer ☐ Services and Training Corp(Line)

☐ USTest - Sound Services (Tank) ☒ VMI LDT 890(leak detector)

Note: A tank must be tested up to the product level limited by the overfill prevention device. If an overfill prevention device is not installed, a tank must be tested up to the 95% full level. When underfill volumetric testing methods are used, the tank must be; 1) filled with product to the 95% full level or 2) the portion of the tank above the product level must be tested using a nonvolumetric method which meets performance standards, for tightness testing.

2. Indicate the method used to determine if groundwater was present above the bottom of the tank during the test (required for single wall tanks): n/a

3. Method used for release detection:
- ☐ Weekly manual gauging
- ☐ Daily manual inventory control
- ☒ Automatic tank gauging (ATG)
- ☐ Interstitial monitoring
- ☐ Other (describe)

4. Reason for conducting tightness test:
- ☒ Required for release detection requirement
- ☐ Bring temporarily closed tanks back into service
- ☐ Tank or piping repair
- ☐ Other (describe)

5. Type of test conducted:
- ☐ Tank tightness test only
- ☐ Line tightness test only
- ☐ Total system test (tank and lines tested togeth
- ☒ Leak Detector Only

6. Test method type:
- ☐ Overfill volumetric
- ☐ Underfill volumetric
- ☒ Nonvolumetric
- ☐ Volumetric

II. TEST METHOD CHECKLIST

The following items shall be initialed by the Certified Supervisor whose signature appears on this form.

	Yes	No	N/A*
1. Has the tightness testing method used been demonstrated to meet the performance standard specified in the UST rules for the conditions under which the test was conducted? (e.g., detecting a 0.10 gallon per hour leak rate with probability of detection of at least 95% and a probability of false alarm of no	☒	☐	☐
2. Have all written testing procedures developed by the manufacturer of the testing equipment and method been followed while the test was being set up and	☒	☐	☐
3. Was the product level in the tank during the test within the limitations of the test methods performance standards?	☐	☐	☒
4. If groundwater was present above the bottom of the tank, have the testing procedures accounted for its presence? (required for single wall tanks)	☐	☐	☒
5. If the tightness test is considered a failed test, has the owner/operator been notified of the test results? (Note: Tank owner must report a failed tightness test as a suspected release within 24 hours to UST staff at the appropriate	☐	☐	☒

* Item not applicable

NWRO-KING
8504

Underground Storage Tank

FS# 79813564

WASHINGTON STATE DEPARTMENT OF ECOLOGY

Check those activities which apply: ☒ Tightness Testing Checklist
☐ Retrofit/Repair checklist
☐ Cathodic Protection Checklist

The attached Underground Storage Tank (UST) checklists are required for each of the listed activities. The checklists certify that Tightness Testing, Retrofit/Repair and/or Cathodic Protection activities are performed and conducted in accordance with Chapter 173.360 WAC. **Complete this form and the corresponding UST checklist for each activity checked above.**

See back of form for instructions.

1. UST SYSTEM LOCATION AND OWNER

UBI Number: _____ (UBI # from Master Business License)

Site ID Number: _____ (Available from Ecology if tank is registered)

Site/Business Name: Shell Mini Mart

Site Address: 29625 Pacific Hwy S (Street) Peirce (County)
Federal Way (City) Washington (State) 98006 (Zip+4 required)

Telephone: 253-941-1611

UST Owner/Operator: Shell Mini Mart

Mailing Address: 29625 Pacific Hwy S (Street) (P.O. Box)
Federal Way (City) WA (State) 98006 (Zip+4 required)

Telephone: 253-941-1611

2. FIRM PERFORMING WORK

Service Company: Northwest Tank & Environmental Services, Inc.

Service Co. Address: 17407 59th Ave SE (Street) Snohomish (County)
Snohomish (City) Washington (State) 98926 (Zip+4 required)

Certified Supervisor: Erik Snyder

Address: 17407 59th Ave SE (Street) (P.O. Box)
Snohomish (City) Washington (State) 98926 (Zip+4 required)

IFCI Certification Number: 32-US-32025440 Certification issue Date (Month/Year): 5/9/2005

Telephone: (425) 742-9622

Ecology is an equal opportunity and affirmative action employer
For special accommodation needs, please contact the Underground Storage Tanks Section at (360) 407-7170.

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DEC 16 2005
DEPT OF ECOLOGY
8504

Underground Storage Tank

Tightness Testing Checklist

Site ID #

Site Address 29625 Pacific Hwy S

City Federal Way

For more than four UST systems, you may photocopy this form prior to completing.

I. TIGHTNESS TESTING METHOD **Date of Test: 11/16/2005**

1 Tightness testing method(s) used (indicate if more than one method was used):
Test method name/version ☐ Accurite (Line) ☐ 2001 / P(Tank) ☐ 2000 / P(Tank) ☐ 2000 / U
Test method Manufacturer ☐ Services and Training Corp(Line)
☐ USTest - Sound Services (Tank) ☒ VMI LDT 890(leak detector)

Note: A tank must be tested up to the product level limited by the overfill prevention device. If an overfill prevention device is not installed, a tank must be tested up to the 95% full level. When underfill volumetric testing methods are used, the tank must be; 1) filled with product to the 95% full level or 2) the portion of the tank above the product level must be tested using a nonvolumetric method which meets performance standards, for tightness testing.

2. Indicate the method used to determine if groundwater was present above the bottom of the tank during the test (required for single wall tanks): n/a

3. Method used for release detection:
- ☐ Weekly manual gauging
- ☐ Daily manual inventory control
- ☒ Automatic tank gauging (ATG)
- ☐ Interstitial monitoring
- ☐ Other (describe)

4. Reason for conducting tightness test:
- ☒ Required for release detection requirement
- ☐ Bring temporarily closed tanks back into service
- ☐ Tank or piping repair
- ☐ Other (describe)

5. Type of test conducted:
- ☐ Tank tightness test only
- ☐ Line tightness test only
- ☐ Total system test (tank and lines tested togeth
- ☒ Leak Detector Only

6. Test method type:
- ☐ Overfill volumetric
- ☐ Underfill volumetric
- ☒ Nonvolumetric
- ☐ Volumetric

II. TEST METHOD CHECKLIST

The following items shall be initialed by the Certified Supervisor whose signature appears on this form.

	Yes	No	N/A*
1. Has the tightness testing method used been demonstrated to meet the performance standard specified in the UST rules for the conditions under which the test was conducted? (e.g., detecting a 0.10 gallon per hour leak rate with probability of detection of at least 95% and a probability of false alarm of no	☒	☐	☐
2. Have all written testing procedures developed by the manufacturer of the testing equipment and method been followed while the test was being set up and	☒	☐	☐
3. Was the product level in the tank during the test within the limitations of the test methods performance standards?	☐	☐	☒
4. If groundwater was present above the bottom of the tank, have the testing procedures accounted for its presence? (required for single wall tanks)*	☐	☐	☒
5. If the tightness test is considered a failed test, has the owner/operator been notified of the test results? (Note: Tank owner must report a failed tightness test as a suspected release within 24 hours to UST staff at the appropriate	☐	☐	☒

* Item not applicable

Site ID # _____
Site Address 29625 Pacific Hwy S
City Federal Way

Tightness Testing Checklist (continued)

III. TANK INFORMATION CHECKLIST

	Tank 1	Tank 2	Tank 3	Tank 4
1. Tank ID# (tank name registered with Ecology)				
2. Date installed				
3. Tank capacity in gallons	12000	2000	10000	8000
4. Last substance stored	Regular	Regular	Midgrade	Premium
5. Number of tank compartments				
6. Tank type: (S) single wall; (D) double wall; (P) partitioned				
7. Is overfill device present? (Yes/No)				
8. Percentage of product in tank during test? (Volume % must comply with test method certification requirements)				
9. The test method used can detect a leak of *how many GPH?*	+/- 0.05	+/- 0.05	+/- 0.05	+/- 0.05
10. The numerical tank test results are? (In gallons per hour)				
11. Based on evaluating test results and conducting any retesting as necessary as per test protocol to obtain conclusive test results; the test results are?				

IV. Line Information

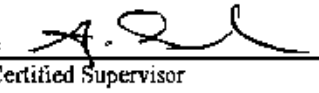
	Line 1	Line 2	Line 3	Line 4
1. Piping type: (S) single wall; (D) double wall	D	n/a	D	D
2. Pump type: (T) turbine; (S) suction	T	n/a	T	T
3. (a) If turbine, is leak detector present (Yes/No)	Yes	n/a	Yes	Yes
(1) If present, was lead seal intact? (Yes/No N/A)	N/A	n/a	N/A	N/A
(2) Line leak detector results? (Pass/Fail)	Pass	n/a	Pass	Pass
(b) If suction, check valve located at? (T) tank (P) pum	N/A	n/a	N/A	N/A
4. The numerical line test results are? (gallons per hour)	N/A	n/a	N/A	N/A
5. Line tightness test results? (Pass/Fail)	N/A	n/a	N/A	N/A

* Inconclusive test results for tanks or piping will not be considered as valid tightness test for the purposes of complying with UST release detection regulations.

V. REQUIRED SIGNATURES

I hereby attest, that I have been the Certified Supervisor present during the above listed testing activities, and to the best of my knowledge they have been conducted in compliance with all applicable state and federal laws, regulations and procedures, pertaining to underground storage tanks.

Persons submitting false information are subject to formal enforcement and/or penalties under Chapter 173.360 WAC.

11/16/2005		Erik Snyder
Date	Signature of Certified Supervisor	Printed Name

Date	Signature of Tank Owner/Authorized Representative	Printed Name

221-830.6
2005

NWRO
8504
KING

MASTER LICENSE SERVIC
DEPARTMENT OF LICENSI
PO BOX 9048
OLYMPIA, WA 98507-9048
Telephone: (360) 664-1400

6- 527-602
UBI NUMBER

OWNER NAME (Please print clearly)

FIRM NAME

UNDERGROUND STORAGE TANK ADDENDUM

(For new tanks and change in ownership)

This form must accompany a Master Application.
Please type or print clearly in dark ink.

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SEP 30 2005
ECOLOGY

Keep a copy of the completed form and the instruction sheet for future reference.

I TANK SITE INFORMATION (See page 1and 2 of the instructions for proper codes.)

1. Tank Site Location Address:

29625 PACIFIC HWY SO
Location Address

FEDERAL WAY | WA. | 98003 | KING
City | State | Zip Code | County

2a. Operator Information (if other than owner):

YUNG HO / SIN OK HAN
Name

FEDERAL WAY DELIMART
Mailing Address 29625 PACIFIC HWY SO

FEDERAL WAY | WA. | 98003
City | State | Zip Code

253
Phone

2b. Contact Person for site:

MANJINDER SINGH
Name

13114 SE 214TH WAY
Mailing Address

KENT | WA. | 98031
City | State | Zip Code

253-315-5264
Phone

3. Ecology UST ID (if known)

4. This application is for:

Old Owner 6002163 753 1-1

- [x] A change of ownership of an existing site (complete sections I & V)
- [ ] A new facility with underground storage tanks (complete sections I, II, III, IV,& V)
- [ ] A new tank installation at existing site (complete sections I, II, III, IV & V)

5. Tank Site Use Type (NAICS Code)

6. Financial Responsibility Limits Category 3

7. Method of Compliance with Financial Responsibility Requirement A

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8. Attach the appropriate proof of Financial Responsibility as described in the instructions.

9. If you would like a technical assistance inspection, please check this box [ ]

8504

If you need assistance through the Telecommunications Device for the Deaf, call TTY (360) 664-8885. To request this document in an alternate format for the visually impaired, call (360) 664-1400.

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II INDIVIDUAL TANK INFORMATION (See pages 2 and 3 of the instructions for proper codes before completing this section.)

	First Tank			Second Tank			Third Tank			Fourth Tank			Fifth Tank		
A Tank Name															
B Installation Date	/ /			/ /			/ /			/ /			/ /		
C Tank Status															
D Tank Material															
E Tank Construction															
F1 Tank Release Detection/**Primary**															
F2 Tank Release Detection/ **Secondary** (if applicable)															
G Tank Tightness Testing															
H Tank Corrosion Protection															
I Spill Protection															
J Overfill Protection															
K Piping Material															
L Piping Construction															
M1 Piping Release Detection/**Primary**															
M2 Piping Release Detection/ **Secondary** (if applicable)															
N Piping Tightness Testing															
O Piping Corrosion Protection															
P Pumping System															
Compartments	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Q Substance Stored															
R Substance Use															
S Compartment Capacity															

UBI #

221: 830. .7
2005

UBI # _____

III SITE PLAN (In the space below, provide an *as built* site plan of the tank and piping installation. Include all the information requested in the instructions.)

Always contact local authorities regarding permit requirements.
You must have the installation supervisor sign the back side of this page.

UBI # _____

IV INSTALLERS CERTIFICATION

I hereby certify that the installation of the new underground tank system listed on this form was completed according to all applicable regulations, codes and standards and that a certified supervisor was on site during all required installation activities.

Signature of Certified Supervisor	Company Name
Printed name	Certification Number
Address	City State Zip Code
Phone Number (including area code)	Date Signed

V OWNER/OPERATOR AGREEMENT TO TERMS AND CONDITIONS OF UST PERMIT

Owners and operators of petroleum underground storage tanks (USTs) must:

- Maintain proof of financial responsibility for taking corrective action and compensating third parties for bodily injury and property damages caused by petroleum releases. [RCW 90.76.020(1)(g), WAC 173-360-400 through 499]
- Provide release detection for petroleum USTs that can detect a release from any part of the tank and piping; must be installed, calibrated, operated and maintained according to manufacturers' instructions; and must meet the appropriate performance requirements in WAC 173-360-345 or 355. [RCW 90.76.020(1)(d), WAC 173-360-330 through 355]
- Operate and maintain corrosion protection systems in accordance with WAC 173-360-320 for new or upgraded steel tanks and piping installed after December 22, 1988. [RCW 90.76.020(1)(a)(b), WAC 173-360-300 through 325]
- Provide for spill and overfill protection for new or unpgraded tanks installed after December 22, 1988, that are filled with more than 25 gallons at a time. [RCW 90.76.020(1)(a)(b), WAC 173-360-300 through 315]
- Report, investigate and clean up any spills and overfills in accordance with WAC 173-360-375. [RCW 90.76.020(1)(e), WAC 173-360-360 through 375, WAC 173-360-399]
- Use a certified UST supervisor to perform all UST service activities: repairs, tank installation, retrofitting, tank decommissioning, tightness testing, corrosion protection installation and testing and site assessment. [RCW 90.76.020(5), WAC 173-360-600 through 630]
- Notify Ecology of intent to install a new UST system at least 30 days, but not more than 90 days, prior to installation. [RCW 90.76.020(1)(a), WAC 173-360-200(1)]
- Permanently close a tank after it has been temporarily closed or out of service for 12 months and does not meet the performance standards for new UST systems or the upgrading requirements in WAC 173-360-310(2)(3). [RCW 90.76.020(1)(f), WAC 173-360-380 through 385]
- Notify Ecology at least 30 days before beginning either a permanent closure or a change in service. [RCW 90.76.020(1)(c), WAC 173-360-385]
- Have a certified UST supervisor conduct a site assessment at permanent closure or a change-in-service as required under WAC 173-360-385 through 395. [RCW 90.76.020 (1)(f), WAC 173-360-600 through 630]
- Do not operate an UST or accept delivery of regulated substances without a valid permit. [RCW 90.76.020(1)(c), WAC 173-360-130]
- Notify the Department of Ecology within 30 days after bringing any newly installed UST system into use. [RCW 90.76.020(1)(c), WAC 173-360-200(2)]
- Violations of these permit conditions may result in permit revocation and/or civil penalty up to $5,000 for each tank involved, for each day of the violation. [RCW 90.76.080, WAC 173-360-670, WAC 173-360-130(8)]

As the owner and/or operator of the Underground Storage Tank (UST) system described on this application, I certify that I have read and agree to abide by the foregoing terms and conditions, and that I understand that having an UST permit requires that I comply with the provisions contained in chapter 90.76 RCW, the statute governing USTs, and its implementing regulations, chapter 173-360 WAC.

Manjinder Singh — 08-05-05

Signature of Underground Storage Tank Owner — Date Signed

MANJINDER SINGH

PRINTED Name of Person Signing Above

MASTER LICENSE SERVICE
DEPARTMENT OF LICENSING
P.O. BOX 9034
OLYMPIA, WA 98507-9034
Telephone: (360) 664-1400

130-539.2
2002

602 16. '53 1-1
UBI NUMBER

FW DELI MART INC
OWNER NAME (Please print clearly)

FW DELI MART.
FIRM NAME

RECEIVED
JUN 05 2002
ECOLOGY

UNDERGROUND STORAGE TANK ADDENDUM

(For new and retrofit tanks and change in ownership)

This form must accompany a Master Application.
Please type or print clearly in dark ink.

Dong Pr

Keep a copy of the completed form and the instruction sheet for future reference.

NW 8504
King

I TANK SITE INFORMATION (See page 1and 2 of the instructions for proper codes.)

1. Tank Site Location Address:

29625 PACIFIC HWY S
Location Address

FEDERAL WAY | WA | 98003 | KING
City | State | Zip Code | County

2. Contact person for the tank site:

YUNG HO HAN | 253 941-1611
Name | Phone Number

29625 PACIFIC HWY S
Contact's Address

FEDERAL WAY | WA | 98003 | KING
City | State | Zip Code | County

3. Site Number (if known)..... | | | 8 | 5 | 0 | 4 |

4. This application is for:

- ☐ A new facility with underground storage tanks
- ☒ A change of ownership of an existing site
- ☐ A retrofit
- ☐ A new tank installation at existing site

5. Tank Site Use Type (SIC Code)..... | 5 | 5 | 4 | 1 |

6. Financial Responsibility Limits Category ..... | 3 |

7. Method of Compliance with Financial Responsibility Requirement ..... | 4 |

8. Attach the appropriate proof of Financial Responsibility as described in the instructions.

If you need assistance through the Telecommunications Device for the Deaf, call TDD (360) 586-2788. To request this document in an alternate format for the visually impaired, call (360) 664-1400.

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II INDIVIDUAL TANK INFORMATION (See pages 2 and 3 of the instructions for proper codes before completing this section.)

	First Tank	Second Tank	Third Tank	Fourth Tank	Fifth Tank
A Tank Name					
B Installation Date	/ /	/ /	/ /	/ /	/ /
C Tank Status					
D Tank Material					
E Tank Construction					
F Tank Release Detection					
G Tank Tightness Testing					
H Tank Corrosion Protection					
I Spill Protection					
J Overfill Protection					
K Piping Material					
L Piping Construction					
M Piping Release Detection					
N Piping Tightness Testing					
O Piping Corrosion Protection					
P Pumping System					

Compartments	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Q Substance Stored															
R Substance Use															
S Compartment Capacity															

UBI #

130- 539. -3
2002

FARMERS INSURANCE EXCHANGE

MEMBERS OF THE FARMERS INSURANCE GROUP OF COMPANIES
HOME OFFICE: 4680 WILSHIRE BLVD., LOS ANGELES, CALIFORNIA 90010

COMMON POLICY DECLARATIONS

RETAIL SERVICE - PREMIER

1. Named Insured and Mailing Address: FW DELI MART
29625 PACIFIC HWY S
FEDERAL WAY WA 98003

NF81249 — EasyPay Acct. No.
79-48-334 — Agent No.
Prod. Count: 03502-96-49 — Policy Number

The named insured is an individual unless otherwise stated:

☐ Partnership ☒ Corporation ☐ Joint Venture ☐ Organization (Any other)

Type of Business FOOD STORE

2. Policy Period from 05/01/02 (not prior to time applied for) to 05/01/03 12:01 a.m. Standard Time

If this policy replaces other coverage that ends at noon standard time of the same day this policy begins, this policy will not take effect until the other coverage ends. **This policy will continue for successive policy periods as follows:** If we elect to continue this insurance, we will renew this policy if you pay the required renewal premium for each successive policy period subject to our premiums, rules and forms then in effect.

THIS POLICY CONSISTS OF THE FOLLOWING COVERAGE PARTS LISTED BELOW AND FOR WHICH A PREMIUM IS INDICATED. THIS PREMIUM MAY BE SUBJECT TO CHANGE.

	Premium After Applicable Discount and Modification
BUSINESSOWNERS POLICY	$5,301.00
EMPLOYEE BENEFITS LIABILITY COVERAGE PART	$224.00
TOTAL	SEE INVOICE ATTACHED

Forms applicable to all Coverage Parts:

IL12011185 IL00030498 56-5166 IL01461198

Countersigned _____ By _____
(Date) (Authorized Representative)

130- 539. 4
2002

(c) To:

(i) Repair or replace any property; or

(ii) Research, replace or restore the lost information on damaged "valuable papers and records":

to the extent it reduces the amount of loss that otherwise would have been payable under this Additional Coverage or Additional Coverage **f.** Business Income.

We will only pay for Extra Expense that occurs within 12 consecutive months after the date of direct physical loss or damage. This Additional Coverage is not subject to the Limits of Insurance.

h. Pollutant Clean Up And Removal

We will pay your expense to extract "pollutants" from land or water at the described premises if the discharge, dispersal, seepage, migration, release or escape of the "pollutants" is caused by or results from a Covered Cause of Loss that occurs during the policy period. The expenses will be paid only if they are reported to us in writing within 180 days of the earlier of:

(1) The date of direct physical loss or damage; or

(2) The end of the policy period.

The most we will pay for each location under this Additional Coverage is $10,000 for the sum of all such expenses arising out of Covered Causes of Loss occurring during each separate 12 month period of this policy.

i. Civil Authority

We will pay for the actual loss of Business Income you sustain and necessary Extra Expense caused by action of civil authority that prohibits access to the described premises due to direct physical loss of or damage to property, other than at the described premises, caused by or resulting from any Covered Cause of Loss.

The coverage for Business Income will begin 72 hours after the time of that action and will apply for a period of up to three consecutive weeks after coverage begins.

The coverage for necessary Extra Expense will begin immediately after the time of that action and ends:

(1) 3 consecutive weeks after the time of that action; or

(2) When your Business Income coverage ends;

whichever is later.

The definitions of Business Income and Extra Expense contained in the Business Income and Extra Expense Additional Coverages also apply to this Civil Authority Additional Coverage. The Civil Authority Additional Coverage is not subject to the Limits of Insurance.

j. Money Orders And Counterfeit Paper Currency

We will pay for loss due to the good faith acceptance of:

(1) Any U.S. or Canadian post office, express company, or national or state (or Canadian) chartered bank money order that is not paid upon presentation to the issuer; or

(2) Counterfeit United States or Canadian paper currency;

in exchange for merchandise, "money" or services or as part of a normal business transaction.

The most we will pay for any loss under this Additional Coverage is $1,000.

k. Forgery And Alteration

(1) We will pay for loss resulting directly from forgery or alteration of, any check, draft, promissory note, bill of exchange or similar written promise of payment in "money", that you or your agent has issued, or that was issued by someone who impersonates you or your agent.

(2) If you are sued for refusing to pay the check, draft, promissory note, bill of exchange or similar written promise of payment in "money", on the basis that it has been forged or altered, and you have our written consent to defend against the suit, we will pay for any reasonable legal expenses that you incur in that defense.

(3) The most we will pay for any loss, including legal expenses, under this Additional Coverage is $2,500.

l. Increased Cost Of Construction

(1) This Additional Coverage applies only to buildings insured on a replacement cost basis.

Copyright, Insurance Services Office, Inc., 1997

130- 539. 5
2002

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

CALCULATION OF PREMIUM

This endorsement modifies insurance provided under the following:

BOILER AND MACHINERY COVERAGE PART
BUSINESSOWNERS POLICY
COMMERCIAL AUTOMOBILE COVERAGE PART
COMMERCIAL CRIME COVERAGE PART
COMMERCIAL GENERAL LIABILITY COVERAGE PART
COMMERCIAL INLAND MARINE COVERAGE PART
COMMERCIAL PROPERTY COVERAGE PART
EMPLOYMENT-RELATED PRACTICES LIABILITY COVERAGE PART
FARM COVERAGE PART
LIQUOR LIABILITY COVERAGE PART
OWNERS AND CONTRACTORS PROTECTIVE LIABILITY COVERAGE PART
POLLUTION LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART
PROFESSIONAL LIABILITY COVERAGE PART
RAILROAD PROTECTIVE LIABILITY COVERAGE PART
SPECIAL PROTECTIVE AND HIGHWAY LIABILITY POLICY - NEW YORK

The following is added:

The premium shown in the Declarations was computed based on rates in effect at the time the policy was issued. On each renewal, continuation, or anniversary of the effective date of this policy, we will compute the premium in accordance with our rates and rules then in effect.

Copyright, Insurance Services Office, Inc., 1997

UBI # 60 2 163 753

IV INSTALLERS CERTIFICATION

I hereby certify that the installation of the new underground tank system or any upgrades or retrofits to the existing tank system listed on this form were completed according to all applicable regulations, codes and standards and that a certified supervisor was on site during all required installation activities.

Signature of Certified Supervisor

Date Signed

PRINTED Name of Person Signing Above

V OWNER/OPERATOR AGREEMENT TO TERMS AND CONDITIONS OF UST PERMIT

Owners and operators of petroleum underground storage tanks (USTs) must:

- Maintain proof of financial responsibility for taking corrective action and compensating third parties for bodily injury and property damages caused by petroleum releases. [RCW 90.76.020(1)(g), WAC 173-360-400 through 499]
- Provide release detection for petroleum USTs that can detect a release from any part of the tank and piping; must be installed, calibrated, operated and maintained according to manufacturers' instructions; and must meet the appropriate performance requirements in WAC 173-360-345 or 355. [RCW 90.76.020(1)(d), WAC 173-360-330 through 355]
- Operate and maintain corrosion protection systems in accordance with WAC 173-360-320 for new or upgraded steel tanks and piping installed after December 22, 1988. [RCW 90.76.020(1)(a)(b), WAC 173-360-300 through 325]
- Provide for spill and overfill protection for new or unpgraded tanks installed after December 22, 1988, that are filled with more than 25 gallons at a time. [RCW 90.76.020(1)(a)(b), WAC 173-360-300 through 315]
- Report, investigate and clean up any spills and overfills in accordance with WAC 173-360-375. [RCW 90.76.020(1)(e), WAC 173-360-360 through 375, WAC 173-360-399]
- Use a certified UST supervisor to perform all UST service activities: repairs, tank installation, retrofitting, tank decommissioning, tightness testing, corrosion protection installation and testing and site assessment. [RCW 90.76.020(5), WAC 173-360-600 through 630]
- Notify Ecology of intent to install a new UST system at least 30 days, but not more than 90 days, prior to installation. [RCW 90.76.020(1)(a), WAC 173-360-200(1)]
- Permanently close a tank after it has been temporarily closed or out of service for 12 months and does not meet the performance standards for new UST systems or the upgrading requirements in WAC 173-360-310(2)(3). [RCW 90.76.020(1)(f), WAC 173-360-380 through 385]
- Notify Ecology at least 30 days before beginning either a permanent closure or a change in service. [RCW 90.76.020(1)(c), WAC 173-360-385]
- Have a certified UST supervisor conduct a site assessment at permanent closure or a change-in-service as required under WAC 173-360-385 through 395. [RCW 90.76.020 (1)(f), WAC 173-360-600 through 630]
- Do not operate an UST or accept delivery of regulated substances without a valid permit. [RCW 90.76.020(1)(c), WAC 173-360-130]
- Notify the Department of Ecology within 30 days after bringing any newly installed UST system into use. [RCW 90.76.020(1)(c), WAC 173-360-200(2)]
- Violations of these permit conditions may result in permit revocation and/or civil penalty up to $5,000 for each tank involved, for each day of the violation. [RCW 90.76.080, WAC 173-360-670, WAC 173-360-130(8)]

As the owner and/or operator of the Underground Storage Tank (UST) system described on this application, I certify that I have read and agree to abide by the foregoing terms and conditions, and that I understand that having an UST permit requires that I comply with the provisions contained in chapter 90.76 RCW, the statute governing USTs, and its implementing regulations, chapter 173-360 WAC.

Signature of Underground Storage Tank Owner

5/7/02
Date Signed

YUNG HO HAN PRESIDENT
PRINTED Name of Person Signing Above

130- 539. 6
2002

UBI # _____

III SITE PLAN (In the space below, p an *as built* site plan of the tank and piping installatic ... ude all the information requested in the instructions.)

Always contact local authorities regarding permit requirements.
You must have the installation supervisor sign the back side of this page.

MASTER LICENSE SERVICE
DEPARTMENT OF LICENSING
P.O. BOX 9034
OLYMPIA, WA 98507-9034
Telephone: (360) 664-1400

602.3
2001

602 [redacted] 187 1-1
UBI NUMBER

YUNG HO KIN OK HAN
OWNER NAME (Please print clearly)

NW King 8504 UST

Done PR

RECEIVED
APR 11 2001
ECOLOGY

UNDERGROUND STORAGE TANK ADDENDUM

(For new and retrofit tanks and change in ownership)

This form must accompany a Master Application.
Please type or print clearly in dark ink.

Keep a copy of the completed form and the instruction sheet for future reference.

OWNER INFORMATION (See page 1 of the instructions for proper codes.)

1. Tank Owner Type	A
2. Financial Responsibility Category of Tank Owner	E
3. Financial Responsibility Compliance Method	A

4. Attach the document certifying financial responsibility.

5. Attach a list of any tanks at this site that are not covered by the owner's financial responsibility. Include an explanation.

TANK SITE INFORMATION (See pages 1 and 2 of the instructions for the proper codes.)

1. Site Number (if known)	
2. Tank Site Use Type (SIC Code)	5541

3. This application is for ☐ a new installation ☑ change owner of an existing tank ☐ a retrofit

4. Contact person at the tank site: old owner 601 541926 1-1

Larry Stears
Name

(253) 941-16[illegible]
Phone Number

29625 pacific Hiway S
Address

Federal way
City

WA
State

98003
Zip Code

RECEIVED
JUN 06 2001
DEPT OF ECOLOGY

If you need assistance through the Telecommunications Device for the Deaf, call TDD (360) 586-2788. To request this document in an alternate format for the visually impaired, call (360) 664-1400.

Printed on Recycled Paper

III INDIVIDUAL TANK INFORMATION (See page 3 of the instructions for proper codes before completing this section.)

	First Tank			Second Tank			Third Tank			Fourth Tank			Fifth Tank		
A Tank ID	1			2			3								
B Installation Date	7 1 1 95			7 1 1 95			7 1 1 95			/ /			/ /		
C Tank Status	A			A			A								
D Tank Material	D			D			D								
E Tank Construction	B			B			B								
F Tank Release Detection	ACF			ACF			ACF								
G Tank Tightness Testing	A			A			A								
H Tank Corrosion Protection	D			D			D								
I Spill Protection	A			A			A								
J Overfill Protection	CB			CB			CB								
K Piping Material	C			C			C								
L Piping Construction	B			B			B								
M Piping Relase Detection	A			A			A								
N Piping Tightness Testing	A			A			A								
O Piping Corrosion Protection	C			C			C								
P Pumping System	A			A			A								
Compartments	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Q Substance Stored	BC			BC			BC	BC							
R Substance Use	A			A			A	A							
S Compartment Capacity	10,000			10,000			8000	4,000							

UST # 181

1-602.4
4031

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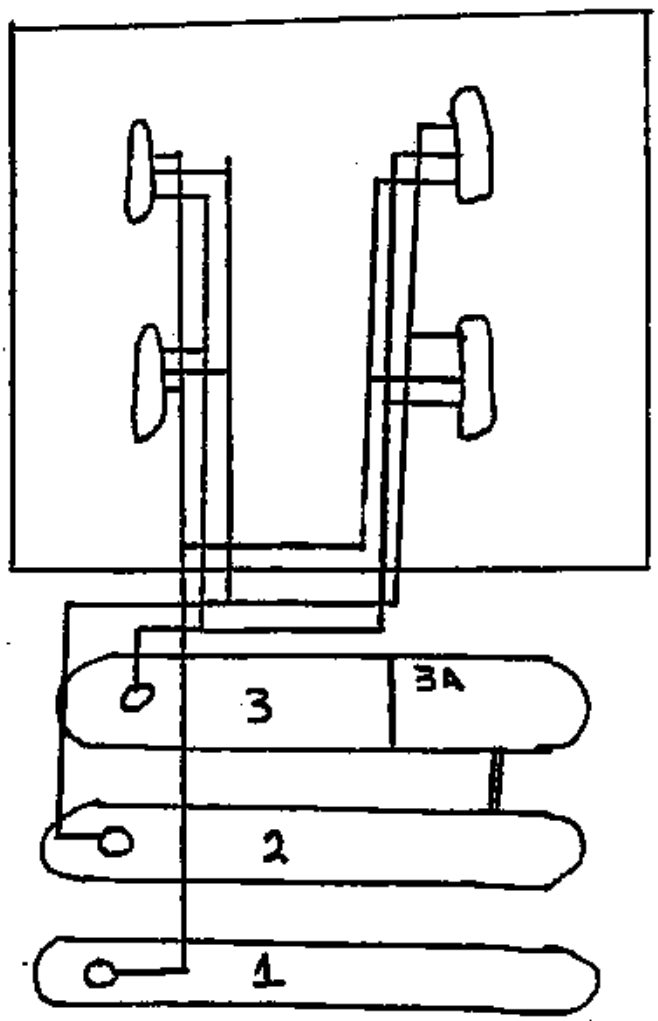
APR 11 2001
ECOLOGY
NW King
8504 UST

PIPING LAYOUT
504 DELI TOWN PUMP



094-602.5
2001

NW King 8504 UST

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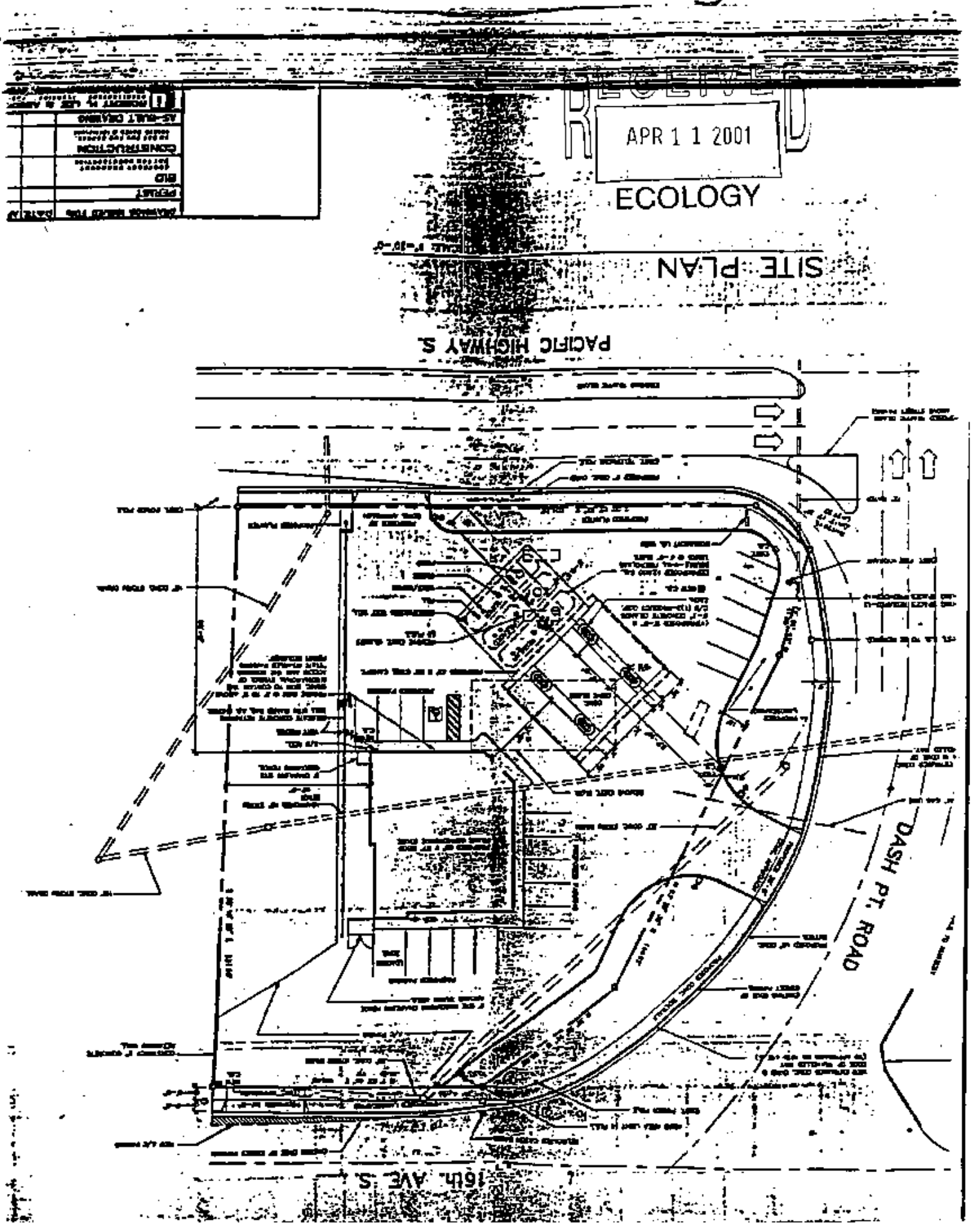
APR 1 1 2001
ECOLOGY

SITE PLAN



294- 602. 6
2001

UBI # _____

IV SITE PLAN (In the space below, provide a built site plan of the tank and piping installation. Include all the information requested in the instructions.)

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APR 1 1 2001
ECOLOGY
NW King
8504 UST

Always contact local authorities regarding permit requirements.
You must have the installation supervisor sign the back side of this page.

UBI # _____

V INSTALLERS CERTIFICATION

I hereby certify that the installation of the new underground tank system or any upgrades or retrofits to the existing tank system listed on this form were completed according to all applicable regulations, codes and standards and that a certified supervisor was on site during all required installation activities.

_____ _____

Signature of Certified Supervisor — Date Signed

_____

PRINTED Name of Person Signing Above

VI OWNER/OPERATOR AGREEMENT TO TERMS AND CONDITIONS OF UST PERMIT

Owners and operators of petroleum underground storage tanks (USTs) must:

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- Provide release detection for petroleum USTs that can detect a release from any part of the tank and piping; must be installed, calibrated, operated and maintained according to manufacturers' instructions; and must meet the appropriate performance requirements in WAC 173-360-345 or 355. [RCW 90.76.020(1)(d), WAC 173-360-330 through 355]
- Operate and maintain corrosion protection systems in accordance with WAC 173-360-320 for new or upgraded steel tanks and piping installed after December 22, 1988. [RCW 90.76.020(1)(a)(b), WAC 173-360-300 through 325]
- Provide for spill and overfill protection for new or unpgraded tanks installed after December 22, 1988, that are filled with more than 25 gallons at a time. [RCW 90.76.020(1)(a)(b), WAC 173-360-300 through 315]
- Report, investigate and clean up any spills and overfills in accordance with WAC 173-360-375. [RCW 90.76.020(1)(e), WAC 173-360-360 through 375, WAC 173-360-399]
- Use a certified UST supervisor to perform all UST service activities: repairs, tank installation, retrofitting, tank decommissioning, tightness testing, corrosion protection installation and testing and site assessment. [RCW 90.76.020(5), WAC 173-360-600 through 630]
- Notify Ecology of intent to install a new UST system at least 30 days, but not more than 90 days, prior to installation. [RCW 90.76.020(1)(a), WAC 173-360-200(1)]
- Permanently close a tank after it has been temporarily closed or out of service for 12 months and does not meet the performance standards for new UST systems or the upgrading requirements in WAC 173-360-310(2)(3). [RCW 90.76.020(1)(f), WAC 173-360-380 through 385]
- Notify Ecology at least 30 days before beginning either a permanent closure or a change in service. [RCW 90.76.020(1)(c), WAC 173-360-385]
- Have a certified UST supervisor conduct a site assessment at permanent closure or a change-in-service as required under WAC 173-360-385 through 395. [RCW 90.76.020 (1)(f), WAC 173-360-600 through 630]
- Do not operate an UST or accept delivery of regulated substances without a valid permit. [RCW 90.76.020(1)(c), WAC 173-360-130]
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As the owner and/or operator of the Underground Storage Tank (UST) system described on this application, I certify that I have read and agree to abide by the foregoing terms and conditions, and that I understand that having an UST permit requires that I comply with the provisions contained in chapter 90.76 RCW, the statute governing USTs, and its implementing regulations, chapter 173-360 WAC.

Guang Ho Han / Sinok Han — 03/26/01

Signature of Underground Storage Tank Owner — Date Signed

Guang Ho HAN / Sinok HAN

PRINTED Name of Person Signing Above

MASTER LICENSE SERVI
DEPARTMENT OF LICENS
P.O. BOX 9034
OLYMPIA, WA 98507-9034
Telephone: (360) 753-4401

308- 82. 3
2000

UBI NUMBER 602-073-179 1-1

OWNER NAME (Please print clearly) CYL Enterprises, Inc

Dan & PR

UNDERGROUND STORAGE TANK ADDENDUM

(For new and retrofit tanks and change in ownership)

This form must accompany a Master Application.
Please type or print clearly in dark ink.

RECEIVED
NOV 29 2000
ECOLOGY

Keep a copy of the completed form and the instruction sheet for future reference.

8504

OWNER INFORMATION (See page 1 of the instructions for proper codes.)

1. Tank Owner Type	A
2. Financial Responsibility Category of Tank Owner	E
3. Financial Responsibility Compliance Method	4

4. Attach the document certifying financial responsibility.

5. Attach a list of any tanks at this site that are not covered by the owner's financial responsibility. Include an explanation.

TANK SITE INFORMATION (See pages 1 and 2 of the instructions for the proper codes.)

1. Site Number (if known)	
2. Tank Site Use Type (SIC Code)	5541

3. This application is for ☐ a new installation ☑ change owner of an existing tank ☐ a retrofit

4. Contact person at the tank site:

MR. Young T. Lim — Name
(253) 445-1754 — Phone Number

16006 92nd Ave ct E — Address

Puyallup — City
Wa — State
98373 — Zip Code

Site Name: 509 Deli & Town Pump
address: 29625 Pacific Hwy S.
Federal Way WA 98003 4232

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JAN 05 2001
DEPT. OF ECOLOGY

If you need assistance through the Telecommunications Device for the Deaf, call TDD (360) 586-2788. To request this document in an alternate format for the visually impaired, call (360) 753-4401.

Printed on Recycled Paper

III INDIVIDUAL TANK INFORMATION (See page 3 of the instructions for proper codes before completing this section.)

	First Tank			Second Tank			Third Tank			Fourth Tank			Fifth Tank		
A Tank ID	1			2			3								
B Installation Date	7 11 195			7 11 195			7 11 195			1 1			1 1		
C Tank Status	A			A			A								
D Tank Material	D			D			D								
E Tank Construction	B			B			B								
F Tank Release Detection	ACF			ACF			ACF								
G Tank Tightness Testing	A			A			A								
H Tank Corrosion Protection	D			D			D								
I Spill Protection	A			A			A								
J Overfill Protection	CB			CB			CB								
K Piping Material	C			C			C								
L Piping Construction	B			B			B								
M Piping Release Detection	A			A			A								
N Piping Tightness Testing	A			A			A								
O Piping Corrosion Protection	C			C			C								
P Pumping System	A			A			A								
Compartments	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Q Substance Stored	BC			BC			BC	BC							
R Substance Use	A			A			A	A							
S Compartment Capacity	10,000			10,000			8000	4000							

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ECOLOGY

UBI # 602-023-171

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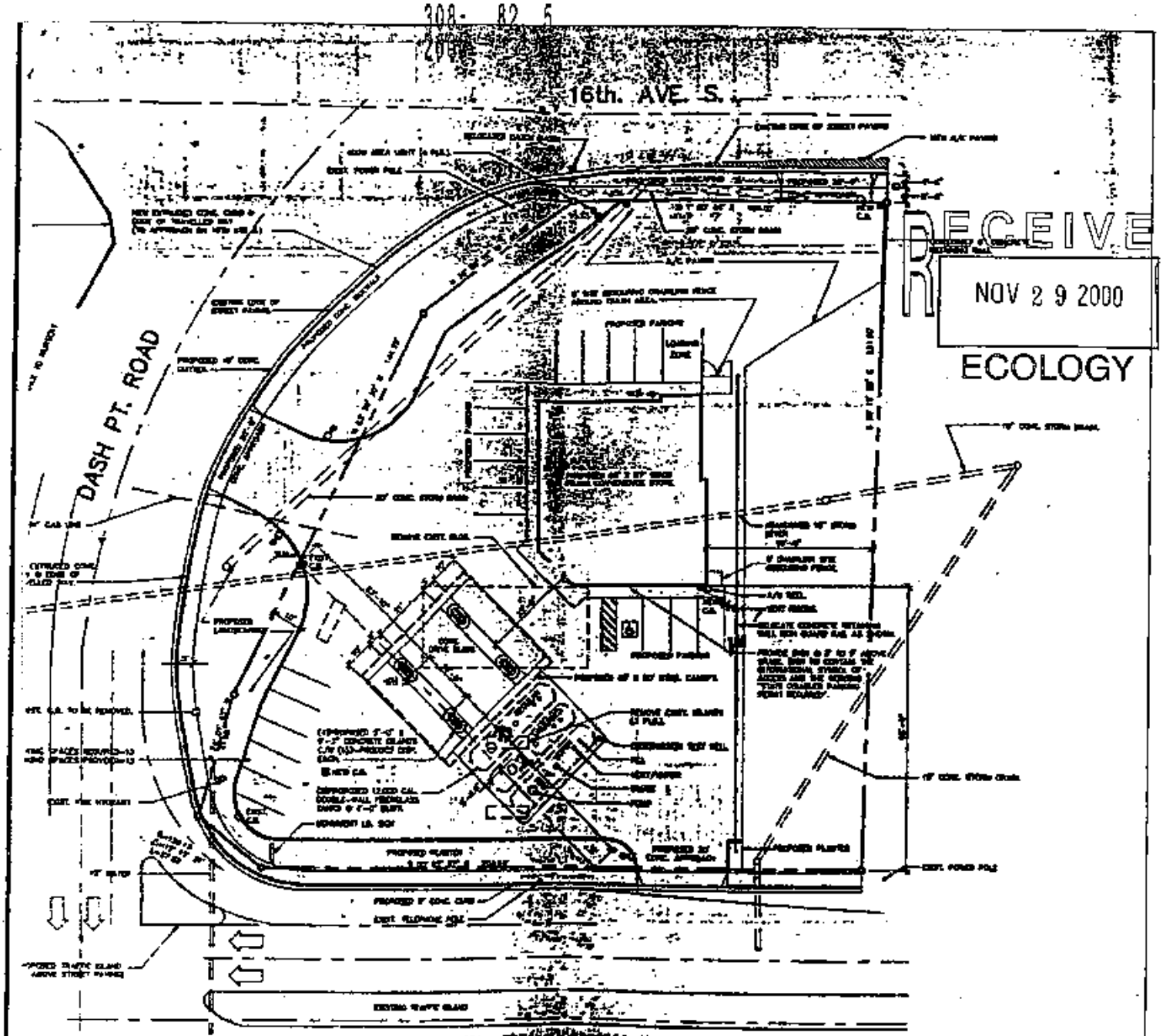
2000

308-82-5



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NOV 2 9 2000
ECOLOGY

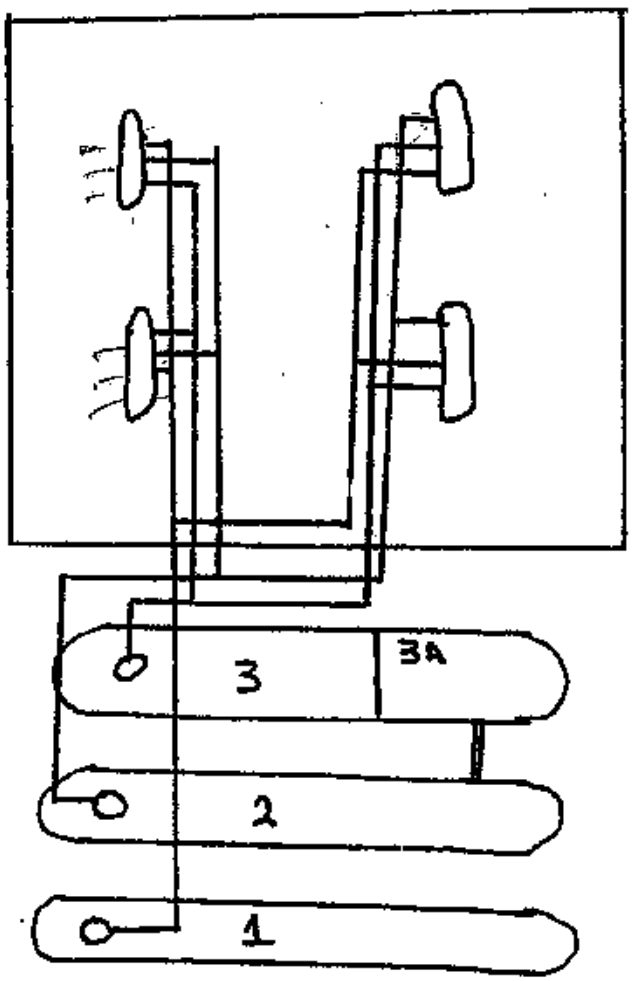
SITE PLAN

PERMIT	
BID	
CONSTRUCTION	
AS-BUILT DRAWING	

308-82-6
2000

RECEIVED
NOV 2 9 2000
ECOLOGY

PIPING LAYOUT
SOR DELI TOWN PUMP



UBI # _____

III SITE PLAN (In the space below, provide an *as built* site plan of the tank and piping installation. Include all the information requested in the instructions.)

RECEIVED
NOV 2 9 2000
ECOLOGY

Always contact local authorities regarding permit requirements.
You must have the installation supervisor sign the back side of this page.

UBI # 602073 177

IV INSTALLERS CERTIFICATION

I hereby certify that the installation of the new underground tank system or any upgrades or retrofits to the existing tank system listed on this form were completed according to all applicable regulations, codes and standards and that a certified supervisor was on site during all required installation activities.

Signature of Certified Supervisor

Date Signed

PRINTED Name of Person Signing Above

V OWNER/OPERATOR AGREEMENT TO TERMS AND CONDITIONS OF UST PERMIT

Owners and operators of petroleum underground storage tanks (USTs) must:

- Maintain proof of financial responsibility for taking corrective action and compensating third parties for bodily injury and property damages caused by petroleum releases. [RCW 90.76.020(1)(g), WAC 173-360-400 through 499]
- Provide release detection for petroleum USTs that can detect a release from any part of the tank and piping; must be installed, calibrated, operated and maintained according to manufacturers' instructions; and must meet the appropriate performance requirements in WAC 173-360-345 or 355. [RCW 90.76.020(1)(d), WAC 173-360-330 through 355]
- Operate and maintain corrosion protection systems in accordance with WAC 173-360-320 for new or upgraded steel tanks and piping installed after December 22, 1988. [RCW 90.76.020(1)(a)(b), WAC 173-360-300 through 325]
- Provide for spill and overfill protection for new or unpgraded tanks installed after December 22, 1988, that are filled with more than 25 gallons at a time. [RCW 90.76.020(1)(a)(b), WAC 173-360-300 through 315]
- Report, investigate and clean up any spills and overfills in accordance with WAC 173-360-375. [RCW 90.76.020(1)(e), WAC 173-360-360 through 375, WAC 173-360-399]
- Use a certified UST supervisor to perform all UST service activities: repairs, tank installation, retrofitting, tank decommissioning, tightness testing, corrosion protection installation and testing and site assessment. [RCW 90.76.020(5), WAC 173-360-600 through 630]
- Notify Ecology of intent to install a new UST system at least 30 days, but not more than 90 days, prior to installation. [RCW 90.76.020(1)(a), WAC 173-360-200(1)]
- Permanently close a tank after it has been temporarily closed or out of service for 12 months and does not meet the performance standards for new UST systems or the upgrading requirements in WAC 173-360-310(2)(3). [RCW 90.76.020(1)(f), WAC 173-360-380 through 385]
- Notify Ecology at least 30 days before beginning either a permanent closure or a change in service. [RCW 90.76.020(1)(c), WAC 173-360-385]
- Have a certified UST supervisor conduct a site assessment at permanent closure or a change-in-service as required under WAC 173-360-385 through 395. [RCW 90.76.020 (1)(f), WAC 173-360-600 through 630]
- Do not operate an UST or accept delivery of regulated substances without a valid permit. [RCW 90.76.020(1)(c), WAC 173-360-130]
- Notify the Department of Ecology within 30 days after bringing any newly installed UST system into use. [RCW 90.76.020(1)(c), WAC 173-360-200(2)]
- Violations of these permit conditions may result in permit revocation and/or civil penalty up to $5,000 for each tank involved, for each day of the violation. [RCW 90.76.080, WAC 173-360-670, WAC 173-360-130(8)]

As the owner and/or operator of the Underground Storage Tank (UST) system described on this application, I certify that I have read and agree to abide by the foregoing terms and conditions, and that I understand that having an UST permit requires that I comply with the provisions contained in chapter 90.76 RCW, the statute governing USTs, and its implementing regulations, chapter 173-360 WAC.

Signature of Underground Storage Tank Owner

Date Signed

YOUNG TAEK LIM

PRINTED Name of Person Signing Above

NW

U0007279

WASHINGTON STATE DEPARTMENT OF ECOLOGY

UNDERGROUND STORAGE TANK
30 DAY NOTICE

See back of form for instructions
Please ☑ the appropriate box

For Office Use Only
Owner # ~~U0008504~~
Site # 008504

☒ Intent to Install ☐ Intent to Close ☐ Both

RECEIVED
MAR 0 1995
DEPT. OF ECOLOGY

SITE INFORMATION:

Site ID Number (on invoice or available from Ecology if the tank is registered):

Site/Business Name: 509 DELI MART

Site Address: 20625 PACIFIC HWY S (Street) Owner/Operator Telephone: (206) 941-6600

FEDERAL WAY (City) WA (State) 98003 (ZIP-Code)

TANK INFORMATION:

TANKS TO BE CLOSED

This section to be filled out ONLY if tanks are being removed

Tank ID	Projected Closure Date	Tank Capacity	Substance Stored	Date tank last used	Is there product in the tank? (yes/no)	If no, date tank was pumped

RECEIVED
JUN 21 1995
ECOLOGY

TANKS TO BE INSTALLED

This section to be filled out ONLY if tanks are being installed

Tank ID	Approx. Install Date
00011	3/95
00022	3/95
00033	3/95

TANK INSTALLATION TO BE PERFORMED BY (if known):

This section to be filled out ONLY if tanks are being installed

Service Provider: LIBERTE ENVIRONMENTAL Contact Name: DENIS SLAGEL

Telephone: (206) 825-4588

Address: 4115 230 AV SE (Street)

ENUMCLAW (City) P.O. Box WA (State) 98022 (ZIP-Code)

TANK PERMANENT CLOSURE TO BE PERFORMED BY (if known):

This section to be filled out ONLY if tanks are being removed

Service Provider:

Contact Name:

Telephone: ( )

Address: (Street) (P.O. Box)

(State) (ZIP-Code)

This form will be returned to this address

UST OWNER/ OPERATOR SEL CORP (CONTACT- ROGER HAZZARD)

MAILING ADDRESS 20625 PACIFIC HWY S (Street)

FEDERAL WAY (City) WA (State) 98521 (ZIP-Code)

TEMPORARY PERMIT
VALID UNTIL
JUN 01 1994

Once validated by Ecology, this form serves as your temporary permit for the tanks listed above.

Please type or print information

* NOTE: PLEASE SEND ALL CORRESPONDENCE & PERMIT TO LIBERTE ENV. AT ABOVE ADDRESS.

BCY 020-33

PLEASE READ C/ EFULLY

Retur- his completed form to:

Underground Storage Tank Section
Department of Ecology
P. O. Box 47655
Olympia, WA 98504-7655

INSTRUCTIONS

Check the appropriate box for tank closure, tank installation, or both.

SITE INFORMATION:

Fill in the site information. Be sure to include the site number for the tank closures. Include the contact telephone number so that any problems may be resolved quickly.

TANK INFORMATION:

List the tanks to be installed or closed. Please use tank ID number(s) for the tanks to be closed and assign new tank ID number(s) to the tanks being installed. **Do not use existing numbers from closed tanks.**

TANK INSTALLATION TO BE PERFORMED BY:

List the installation contractor. Firms that provide UST services MUST be licensed by Ecology. Once your completed form is received, Ecology will validate it and return it to you. This validated form is your temporary permit. A temporary permit will allow you to receive product. A new notification form must be submitted within 30 days of installation in order to receive permanent permit(s).

TANK PERMANENT CLOSURE TO BE PERFORMED BY:

List the closure contractor. Firms that provide UST services MUST be licensed by Ecology. Ask to see their license. Once a completed 30 day notice closure form is received, Ecology will place the date received on the form and return a copy to the owner.

Closure may proceed 30 days after the date stamped on the form. A site assessment is required at the time of closure unless contamination is confirmed. Any contamination must be reported within 24 hours to the appropriate Ecology Regional Office.

Please fill in the owner's name and address. **Confirmation of receipt of this form and your temporary permit will be sent to this address.**

Contact your local fire marshal and planning department prior to tank closure to find out about any additional permits that may be required by the county or other local jurisdictions. This may include the need to comply with the State Environmental Policy Act (SEPA) Rules Chapter 197-11 WAC.

Tanks exempt from notification requirements are:

Farm or residential tanks, 1100 gallons or less, used to store motor fuel for personal or farm use only. The fuel must not be for resale or used for business purposes.

Tanks used for storing heating oil that is used on the premises where the tank is located.

Tanks with a capacity of 110 gallons or less.

Equipment or machinery tanks such as hydraulic lifts or electrical equipment tanks.

Emergency overflow tanks, catch basins, or sumps.

For more information call toll free in the state of Washington
1-800-826-7716 or (206) 438-7137

Unocal Refining & M ing Division
Unocal Corporation
3131 Elliott Avenue, P.O. Box 76
Seattle, Washington 98111
Telephone (206) 281-7666

0085504

UNOCAL 76

DATE: 8/15, 1989

Underground Storage Tank Notification
Solid & Hazardous Waste Program
Department of Ecology
Mail Stop PO-11
Olympia, Washington 98504-8711

NOTIFICATION OF REMOVAL OF UNOCAL OWNED UNDERGROUND STORAGE TANKS

Three tanks will be removed on or about 9/15, 1989

at Unocal Service Station # L6227

Address: 29625 - Pacific Hwy So

Federal Way, WA. 98003

The removed tanks X will, ____ will not be replaced with new underground storage tanks. -

Very truly yours,

V. L. CARLSON
Maintenance Engineer

Tanks Number 1, 2 & 4 will be removed

UNOCAL #6227
FEDERAL WAY
LUST 1622

1622/8504
1989-2006

29625 PACIFIC HWY S INCL VCP NW 1534 NFA 1/27/06

UNOCAL #6227
FEDERAL WAY
1622/8504
1989-2006

UNOCAL STATION 6227

LSI Adapt
615 Eighth Avenue South
Seattle, Washington 98104

Tel (206) 654-7045
Fax (206) 654-7048
www.lsiAdapt.com

aka FW Shell & Deli Mart
aka Federal Way Deli Mart

November 23, 2005

LSI - Adapt Job No. WA04-13165-ESA

LUST 1622
VCP NW 1534

Department of Ecology
Northwest Regional Office
Voluntary Cleanup Program
3190 160th Avenue SE
Bellevue, WA 98008-5452

Attention: Mr. Dale Myers

Subject: Request for Determination of No Further Action
Federal Way Deli Mart
29625 Pacific Highway South
Federal Way, WA 98003

ENTERED NW 12-9 2005

Dear Mr. Meyers:

LSI - Adapt (Adapt) on behalf of Mr. Han Yung Ho is pleased to present this request for a determination of No Further Action from Ecology for the Federal Way Deli Mart in Federal Way, King County, Washington. The subject site is currently listed on the Leaking Underground Storage Tank database.

Site Description

The subject site is located at 29625 Pacific Highway South in Federal Way, King County, Washington (Section 4, Township 21 North, Range 4 East, WM).

The subject site is an irregular shaped property consisting of one tax parcel, totaling approximately 0.96 acres in size. The site currently supports a gasoline station and convenience store and associated fueling system. The building is located in the north central portion of the property (see Figure 3 – Site Plan). The current site building was reportedly built in 1995.

According to the United States Geological Survey (USGS) 7.5-minute series topographic map, "Poverty Bay" (1961 Photo revised 1994), elevation of the site is approximately 420 feet above sea level. Topographically, the building area of the subject site is generally level. The paved areas have been graded to drain to a series of catch basins. A steep slope is present adjacent to the north of the building that slopes down to drainage area at the northern property line. Regional gradient general slopes moderately down to the west/northwest to Poverty Bay.

The subject site is bordered to the north by undeveloped woodland; to the east by Pacific Highway, beyond which is an apartment complex; to the south by Dash Point Road, beyond which is a vacant commercial building and storage yard; and to the east by Redondo Way South, beyond which are a veterinary clinic/animal hospital and retail businesses. An athletic field/recreation area is present to the southwest across the intersection of Dash Point Road and Redondo Way.

Project Background

The following project history and background is a summary from information presented in several previous reports including four subsurface investigations or remedial actions and two Phase I Environmental Site Assessments. Three of the subsurface reports were prepared by GeoEngineers, Inc. (GeoEngineers) and submitted to Ecology in 1989 and 1991. The fourth subsurface report was prepared by Assessment and Remediation Consulting Services (ARCS) and has not been submitted to Ecology. The three GeoEngineers reports are titled "Report of Remedial Action Underground Storage Tank Removal, UNOCAL Service Station 6227", dated November 27, 1989, "Results of Supplemental Field Testing UNOCAL Service Station 6227" Dated January 17, 1991 and "Report of Remedial Action Underground Storage Tank Removal, UNOCAL Service Station 6227" dated April 10, 1991. The ARCS report is titled "Letter Report-Limited Phase II Investigation, Shell Service Station and Mini-Mart" dated April 9, 2001. The two Phase I reports were prepared by Adapt and dated October 17, 2005 and ARCS dated December 1, 2000. Copies of the GeoEngineers and the Limited Phase II prepared by ARCS reports are attached in Appendix C, D, E and F.

Site History

The subject site was developed with a store and two sheds/garages prior to 1936 until approximately 1969. The subject site was developed with a UNOCAL gasoline service station in 1970. The service station reportedly operated from approximately 1970 until the late 1980s. The steel underground storage tanks (USTs) associated with the 1970 UNOCAL service station were reportedly removed in 1989 and replaced with new fiberglass USTs in 1989. The 1989 USTs were reportedly removed in 1990/91 and were not replaced. The site was reportedly occupied by an automobile sales facility and U-Haul Company during the early 1990s. The 1970 UNOCAL gasoline service station building was reportedly demolished in 1994/95. The current underground storage tanks and fueling system were reportedly installed in 1994 as part of the construction for the existing convenience store which was reportedly built in 1995. The 1970 era gasoline service station was operated by Union Oil from 1970 until late 1980s/early 1990s. The current gasoline station is a Shell branded station.

USTs removal activities in both 1989 and 1990/91 documented petroleum impacts to soil beneath the USTs and former station building. According to the UST removal reports prepared by GeoEngineers and summarized below, approximately 800 to 900 cubic yards of petroleum impacted soil were excavated and transported off site for disposal in 1989 and 1991.

Previous Characterization and Remedial Work

"Report of Remedial Action Underground Storage Tank Removal, UNOCAL Service Station 6227", dated November 27, 1989

Report Summary
According to the GeoEngineers 1989 UST removal report, two 10,000-gallon gasoline, one 550-gallon waste oil and one-550-gallon heating oil USTs were removed from the subject site in September 1989. GeoEngineers documented petroleum impacts to soil beneath the gasoline and waste oil USTs. Analytical results from soil samples are summarized in Table 1 attached in Appendix A. According to the report approximately 600 cubic yards of petroleum impacted soil was removed from beneath the gasoline USTs and 100 cubic yards of petroleum impacted soil was removed from beneath and in the vicinity of the former waste oil UST.

GeoEngineers collected confirmation soil samples from the lateral and vertical extent of the excavations. Analytical results from soil samples collected from beneath and from the sidewalls of the gasoline USTs excavation did not identify petroleum impacts above regulatory cleanup levels in place in 1989. Confirmation sampling beneath and in the sidewalls of the former waste oil UST documented 14,933 parts per million [ppm] Total Petroleum Hydrocarbons [TPH] in north sidewall, adjacent to the former building and 208 ppm TPH in the bottom of the excavation at approximately 8.5 feet. Reported concentrations at the bottom of excavation were above cleanup levels in place in 1989 but would be below current cleanup levels for diesel/oil. The documented concentrations in the north sidewall exceed both previous and current cleanup levels. Analytical testing of the waste oil UST included testing for halogenated (chlorinated) volatile compounds and did not document any halogenated compounds above laboratory reporting limits.

The GeoEngineers UST removal report concluded that to remove the documented contamination in the north wall of the waste oil UST the service station building would have to be removed. They also concluded that the extent of the impacted soil in the vicinity of the waste oil UST was of limited extent. *"It is our opinion therefore; that this contamination does not represent a hazard to human health or the environment and that removal of the building is not warranted."*

The GeoEngineers report stated that three new USTs (two 12,000-gallon gasoline and one 520-gallon waste oil) were installed in the former gasoline and waste oil UST excavations in 1989.

"Results of Supplemental Field Testing UNOCAL Service Station 6227" Dated January 17, 1991

Report Summary
According to the GeoEngineers 1991 Supplemental Field Testing report one boring/vapor well was installed in August 1990, west and slightly south of the former waste oil UST to document conditions in the vicinity of the former waste oil and heating oil USTs and to assess whether shallow groundwater exists beneath the subject site. The vapor well was reportedly advance to a total depth of 33 feet below ground surface. The report stated that the upper 25 feet was fill material "consisting of sand and gravel with variable amounts of silt." The lower 8 feet of the vapor well was reportedly very dense native soils. GeoEngineers documented a slight sheen on soil from 17 to 23 feet below ground surface and a TPH concentration of 420 ppm in a soil sample from approximately 23 feet bgs using EPA Method TPH 418.1. This reported level was

above the cleanup levels in effect in 1990 but below current cleanup levels for diesel and/or heavy oil. GeoEngineers recommended that based on their findings from the vapor well boring and their previous the November 1989 UST removal report that additional soil be excavated from the waste oil UST location and that exploratory excavations be completed in the vicinity of the vapor well to identify the extent of petroleum impacted soil documented in the vapor well boring.

"Report of Remedial Action Underground Storage Tank Removal, UNOCAL Service Station 6227" dated April 10, 1991

Report Summary

The three fiberglass USTs that were installed in 1989 were reportedly removed from the subject site in December 1990 and January 1991. Analytical results from soil samples collected from the bottom and sidewalls of the gasoline UST excavation reportedly did not document petroleum contamination. However, elevated levels of lead (460 ppm and 770 ppm) were identified in soil samples collected from the bottom of the gasoline UST excavation. Petroleum impacted soil was documented in both the waste oil UST (TPH at 210 ppm from a bottom sample) and product line (Gasoline at 110 ppm from product line trench) excavations at levels above regulatory cleanup levels in effect in 1991. Approximately 110 cubic yards of soil were reportedly excavated from the gasoline, waste oil and product line excavations and transported off-site for disposal at an approved facility. Confirmation soil samples collected by GeoEngineers from the bottom and sidewalls of the gasoline USTs, the waste oil UST and the product line excavations did not document petroleum hydrocarbons or lead above laboratory reporting limits or regulatory cleanup levels in effect in 1991. Analytical results are summarized in Table 1 attached in Appendix A.

The report indicated that approximately 180 cubic yards of soil was excavated from the vicinity of the vapor well installed in August 1990 to a depth of approximately 18 feet bgs. The analytical results for soil samples collected from the vapor well excavation did not document petroleum hydrocarbons above 1991 cleanup levels except one sample at approximately 16 feet bgs. A deeper sample from approximately 18 feet bgs reportedly did not exhibit petroleum hydrocarbons above 1991 cleanup levels. Based on the findings, GeoEngineers concluded "*As indicated in previous reports, the service station facilities are constructed on imported fill placed at the head of a ravine. It is possible that the concentrations of TPH detected in soil samples from the vapor well excavation and the sample obtained from a depth of 23 feet in the vapor well boring are the result of interferences caused by organic matter present in the imported fill. In our opinion, petroleum-related contamination of regulatory significance is not present in the location of the former vapor well at this site.*"

"Letter Report-Limited Phase II Investigation, Shell Service Station and Mini-Mart" dated April 9, 2001

Report Summary

ARCS conducted a Limited Phase II Investigation at the existing Shell Station and Mini-Mart. According to the report, four soil borings were advanced at the subject site using direct-push drilling method. Borings were located to the north of the existing USTs and to the southwest of the western dispenser island. A fourth boring was located at the base of the slope to the north of the subject site building adjacent to a drainage bioswale. The borings were advanced to between 9 and 18 feet below ground surface. The ground surface adjacent to the bioswale is

reportedly approximately 15 to 20 feet below the ground surface of the site building and parking areas. ARCS stated that "no staining or fuel-type odors were observed in the soils recovered from the borings." According to the ARCS report analytical results did not exhibit petroleum hydrocarbons above the laboratory reporting limits. The ARCS report concluded that "Based on field observations and laboratory data, there are no obvious indications of a release at this site. At this time, no additional investigation activities are recommended."

Site Closure

Data collected during the 1989 and 1990/91 UST removal, remedial and 2001 characterization studies conducted by GeoEngineers and ARCS show that current soil conditions beneath the subject site meet current MTCA Method A Cleanup levels for lead, TPH-G/BTEX and TPH-D/O. Vertical and lateral confirmatory soil samples collected from the bottoms and from sidewalls of the excavations for the former gasoline and waste oil USTs did not document TPH-G/BTEX and TPH-D/O above current MTCA Method A cleanup levels. Vertical and lateral confirmatory soil samples from the vapor well excavation indicate that the residual TPH-D/O impacted soils in the vicinity of the former vapor well, are below current MTCA Method A Cleanup levels.

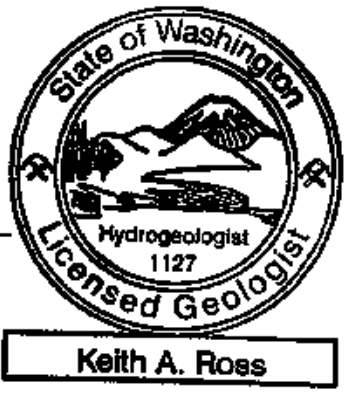
Groundwater was not been encountered in any of the borings to maximum depth of 33 feet below ground surface or in any of the excavations to depths of 18 feet below ground surface. Further, the analytical results from the bottom of the excavations, and the exploratory borings indicate that any soils with residual petroleum compounds are below current MTCA Method A Cleanup levels and are protective of groundwater.

The three GeoEngineers reports were submitted to the Toxics Clean-up Program at Ecology for review and comment in 1989 and 1991. The reports were reviewed by Mr. Joseph Hickey of the Toxics Cleanup Program. Mr. Hickey issued a letter dated April 22, 1991 that indicated concurrence with the GeoEngineers conclusion from the 1991 UST removal report which stated that "*In our opinion, petroleum-related contamination of regulatory significance is not present in the location of the former vapor well at this site.*" However, the site owners did not officially request a No Further Action determination in 1991 and the April 22, 1991 letter does not appear to be a determination of no further action letter and the subject site is still listed on the LUST database as reported cleaned up. As such, Adapt, on behalf of Mr. Han Yung Ho, requests that Ecology issue a determination of No Further Action and that the site be removed from Ecology's Leaking Underground Storage Tank database.

Should you have any questions concerning this letter, or if we can assist you in any way, please feel free to contact us at (206) 654-7045.

Respectfully Submitted,

LSI - Adapt



Keith A. Ross, L.H.G.
Senior Project Manager

Daryl S. Petrarca, L.H.G.

KAR/kar

Attachments:

Appendix A - Table 1: Analytical Results: Soil

Appendix B - Figure 1: Location/Topographic Map
Figure 2: Site Plan (GeoEngineers November 27, 1989 UST Removal)
Figure 3: Site Plan (GeoEngineers April 10, 1991 UST Removal)
Figure 4: Site Plan (ARCs April 9, 2001 Limited Phase II)

Appendix C - Report Of Remedial Action Underground Storage Tank Removal Unocal Service Station 6227, King County, Washington, November 27, 1989

Appendix D – Results Of Supplemental Field Testing Unocal Service Station 6227, King County, Washington, January 17, 1991

Appendix E – Report Of Remedial Action Underground Storage Tank Removal Unocal Service Station 6227, King County, Washington, April 10, 1991

Appendix F – Letter Report Limited Phase Ii Investigation Shell Service Station And Mini-Mart 29625 Pacific Highway South, Federal Way, Washington

Appendix G – Ecology April 22, 1991 Letter from Mr. Joseph Hickey

APPENDIX A

TABLES

Table 1: Analytical Results: Soil

Sample ID	Date	Depth (ft)	PID	Reported Sample Location	TPH (EPA 418.1)	Gasoline	EPA Method 8020 (ppm)				Diesel	Lead
							B	T	E	X		
GeoEngineers November 27, 1989 UST Removal Soil Sample Results												
Gasoline USTs and Product Line Excavation												
1	9/12/89	Composite	180	Composite of soil stockpile (clean)	28.1	--	<0.001	<0.001	<0.001	0.075	--	--
2	9/12/89	Composite	110	Composite of soil stockpile (contaminated)	382	--	0.077	0.73	0.44	3.27	--	--
3	9/12/89	18	<100	Base of excavation, beneath unleaded gasoline tank	<5.0	--	<0.001	<0.001	<0.001	0.138	--	--
4	9/12/89	18	<100	Base of excavation, beneath super unleaded gasoline tank	21.7	--	<0.001	0.0041	0.0026	0.094	--	--
5	9/12/89	17	<100	East wall	<5.0	--	<0.001	<0.001	<0.001	0.004	--	--
6	9/12/89	17	<100	North wall	31.2	--	<0.001	<0.001	<0.001	<0.001	--	--
7	9/12/89	17	<100	West wall	<5.0	--	<0.001	<0.001	<0.001	<0.001	--	--
8	9/12/89	16	<100	South wall	<5.0	--	<0.001	0.0012	<0.001	0.0062	--	--
9	9/12/89	19	<100	Base of excavation, beneath super unleaded gasoline tank	<5.0	--	<0.001	<0.001	<0.001	0.0017	--	--
10	9/12/89	2	<100	Beneath product lines	<5.0	--	<0.001	<0.001	<0.001	0.0016	--	--
Waste and Heating Oil USTs Excavation												
1a	9/14/89	6	<100	Base of excavation, beneath heating oil tank	561	--	--	--	--	--	--	--
2a	9/14/89	6	<100	Beneath waste oil tank	NT	--	--	--	--	--	--	--
3a	9/14/89	4	<100	West wall	7.9	--	--	--	--	--	--	--
4a	9/14/89	3	200	North wall	14,933	--	--	--	--	--	--	--
5a	9/14/89	3.5	<100	South wall	12.0	--	--	--	--	--	--	--
6a	9/14/89	4	<100	East wall	9.3	--	--	--	--	--	--	--
7a	9/14/89	Composite	<100	Composite of soil from excavation	280	--	--	--	--	--	--	--
8a	9/14/89	8.5	<100	Base of excavation, beneath waste oil tank	208	--	--	--	--	--	--	--
GeoEngineers April 10, 1991 UST Removal and Vapor well soil sample												
Vapor Well sample July Supplemental field testing												
VP-1	7/25/90	23	<100	Vapor well soil sample	420	--	<0.025	<0.025	<0.025	<0.025	--	--
Waste oil Tank Excavation												
WO-1	12/13/90	12.0	<100	North base, waste oil tank excavation	210	--	--	--	--	--	<5.0	--
WO-2	12/13/90	7.0	<100	North wall, waste oil tank excavation	21	--	--	--	--	--	<5.0	--
WO-3	12/13/90	2.0	<100	North wall, waste oil tank excavation	28	--	--	--	--	--	<5.0	--
WO-4	12/13/90	12.0	<100	West base, waste oil tank excavation	<5.0	--	--	--	--	--	<5.0	--
WO-5	12/13/90	12.0	<100	South base, waste oil tank excavation	8	--	--	--	--	--	<5.0	--
WO-6	12/13/90	13.0	<100	Central base, waste oil tank excavation	21	--	--	--	--	--	<5.0	--
WO-7	12/13/90	12.0	<100	East base, waste oil tank excavation	26	--	--	--	--	--	<5.0	--
WO-8	12/13/90	Composite	<100	Composite from waste oil tank excavation	55	--	--	--	--	--	<5.0	--
WO-8	12/13/90	12.5	<100	North base, waste oil tank excavation	47	--	--	--	--	--	<5.0	--
Vapor Well Excavation												
VW-1	1/9/91	13.0	<100	Vapor well test pit	170	--	--	--	--	--	<5.0	--
VW-2	1/9/91	16.0	<100	Vapor well test pit	280	--	--	--	--	--	<5.0	--
VW-3	1/10/91	18.0	<100	Vapor well test pit	33	--	--	--	--	--	<5.0	--
VWSP-1	1/10/91	Composite	<100	Composite from vapor well excavation	34	--	--	--	--	--	<5.0	--
VWSP-2	1/10/91	Composite	<100	Composite from vapor well excavation	12	--	--	--	--	--	<5.0	--
VWSP-3	1/10/91	Composite	<100	Composite from vapor well excavation	50	--	--	--	--	--	<5.0	--
Gasoline UST Excavation												
G-1	12/31/90	13.0	<100	South base, gas tank excavation	--	<5.0	<0.025	<0.025	<0.025	<0.025	<5.0	<10
G-2	12/31/90	14.0	<100	Southwest base, gas tank excavation	--	<5.0	<0.025	<0.025	<0.025	<0.025	<5.0	<10
G-3	12/31/90	14.0	<100	North base, gas tank excavation	--	<5.0	<0.025	<0.025	<0.025	<0.025	<5.0	770
G-4	12/31/90	13.0	<100	Northwest base, gas tank excavation	--	<5.0	<0.025	<0.025	<0.025	<0.025	<5.0	460
G-5	12/31/90	13.0	<100	East base, gas tank excavation	--	<5.0	<0.025	<0.025	<0.025	<0.025	<5.0	<10
G-6	1/31/91	17.0	<100	North base, gas tank excavation	--	<5.0	--	--	--	--	<5.0	14.8
G-7	1/31/91	17.0	<100	Northwest base, gas tank excavation	--	<5.0	--	--	--	--	<5.0	23.4

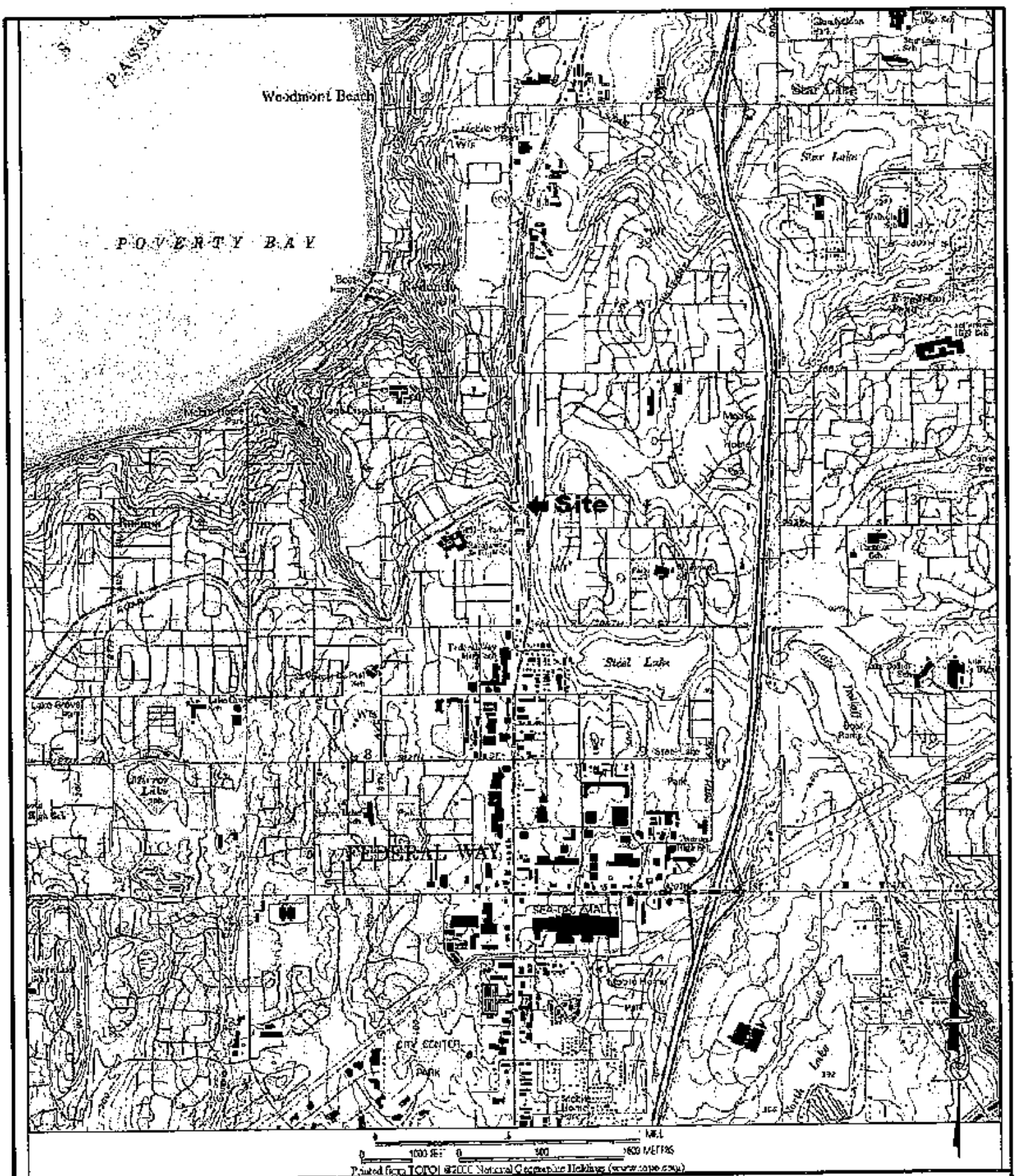
Table 1: Analytical Results: Soil

Sample ID	Date	Depth (ft)	PID	Reported Sample Location	TPH (EPA 418.1)	Gasoline	EPA Method 8020 (ppm)				Diesel	Lead
							B	T	E	X		
G-8	1/31/91	17.0	<100	Central base, gas tank excavation	--	<10.0	<0.05	<0.05	<0.05	<0.05	<10.0	11.0
SP-1	12/31/90	Composite	<100	Composite from gas tank excavation	--	<5.0	<0.025	<0.025	<0.025	<0.025	<5.0	<10
SP-2	12/31/90	Composite	<100	Composite from gas tank excavation	--	<5.0	<0.025	<0.025	<0.025	<0.025	<5.0	--
G-SP-A	1/9/91	Composite	<100	Composite from gas tank excavation	--	<5.0	<0.025	<0.025	<0.025	<0.025	<5.0	--
G-SP-B	1/9/91	Composite	<100	Composite from gas tank excavation	--	<5.0	<0.025	<0.025	<0.025	<0.025	<5.0	<10
GSP-5	1/30/91	Composite	<100	Composite from gas tank excavation	--	<5.0	--	--	--	--	<5.0	<1.2
GSP-6	1/30/91	Composite	<100	Composite from gas tank excavation	--	<5.0	--	--	--	--	<5.0	<1.2
GSP-7	1/30/91	Composite	<100	Composite from gas tank excavation	--	<5.0	--	--	--	--	<5.0	2.8
GSP-8	1/31/91	Composite	<100	Composite from gas tank excavation	--	<5.0	--	--	--	--	<5.0	44.2
Product Line Excavation												
PL-1	12/31/90	3.0	<100	South Island, product line excavation	--	<5	<0.025	<0.025	<0.025	<0.025	<5.0	--
PL-2	12/31/90	2.5	<100	South Island, product line excavation	--	<5	<0.025	<0.025	<0.025	<0.025	<5.0	--
PL-3(5)	12/31/90	3.0	<100	Northwest Island, product line excavation	--	110	<0.025	<0.025	<0.025	1.6	<5.0	--
PL-4	12/31/90	3.0	<100	Northwest Island, product line excavation	--	<5	<0.025	<0.025	<0.025	<0.025	<5.0	--
PL-5	12/31/90	2.5	<100	Northwest Island, product line excavation	--	<5	<0.025	<0.025	<0.025	<0.025	<5.0	--
PL-6	1/9/91	2.0	<100	Northwest Island, product line excavation	--	<5	<0.025	<0.025	<0.025	<0.025	<5.0	<10
PL-7	1/9/91	2.0	<100	Northwest Island, product line excavation	--	<5	<0.025	<0.025	<0.025	<0.025	<5.0	--
PL-8	1/9/91	1.5	<100	Northwest Island, product line excavation	--	<5	<0.025	<0.025	<0.025	<0.025	<5.0	--
PL-SP	1/9/91	Composite	<100	Composite from product line excavation	--	<5	<0.025	<0.025	<0.025	<0.025	<5.0	--
ARCS Limited Phase II Investigation												
FWS-SB1-18'	3/3/01	18	--	Boring B1 at 18 feet bgs	--	<5	<0.05	<0.05	<0.05	<0.05	<0.05	--
FWS-SB2-15'	3/3/01	15	--	Boring B2 at 15 feet bgs	--	<5	<0.05	<0.05	<0.05	<0.05	<0.05	--
FWS-SB2-18'	3/3/01	18	--	Boring B2 at 18 feet bgs	--	<5	<0.05	<0.05	<0.05	<0.05	<0.05	--
FWS-SB3-5'	3/3/01	5	--	Boring B3 at 5 feet bgs	--	<5	<0.05	<0.05	<0.05	<0.05	<0.05	--
FWS-SB4-16'	3/3/01	16	--	Boring B4 at 16 feet bgs	--	<5	<0.05	<0.05	<0.05	<0.05	<0.05	--
Current MTCA Method A Cleanup Levels					2,000 (Heavy oil)	30 (100)	0.03	7	6	9	2000	250

ppm = parts per million
-- = sample not tested for the listed analyte or result not reported.
<5 = Indicates the listed analyte was not detected above standard laboratory reporting limits.
Gasoline and Diesel Range Petroleum analyzed using EPA 8015 modified

APPENDIX B

FIGURES



LSI Adapt, Inc.
615 - 8th Avenue South
Seattle, Washington 98104

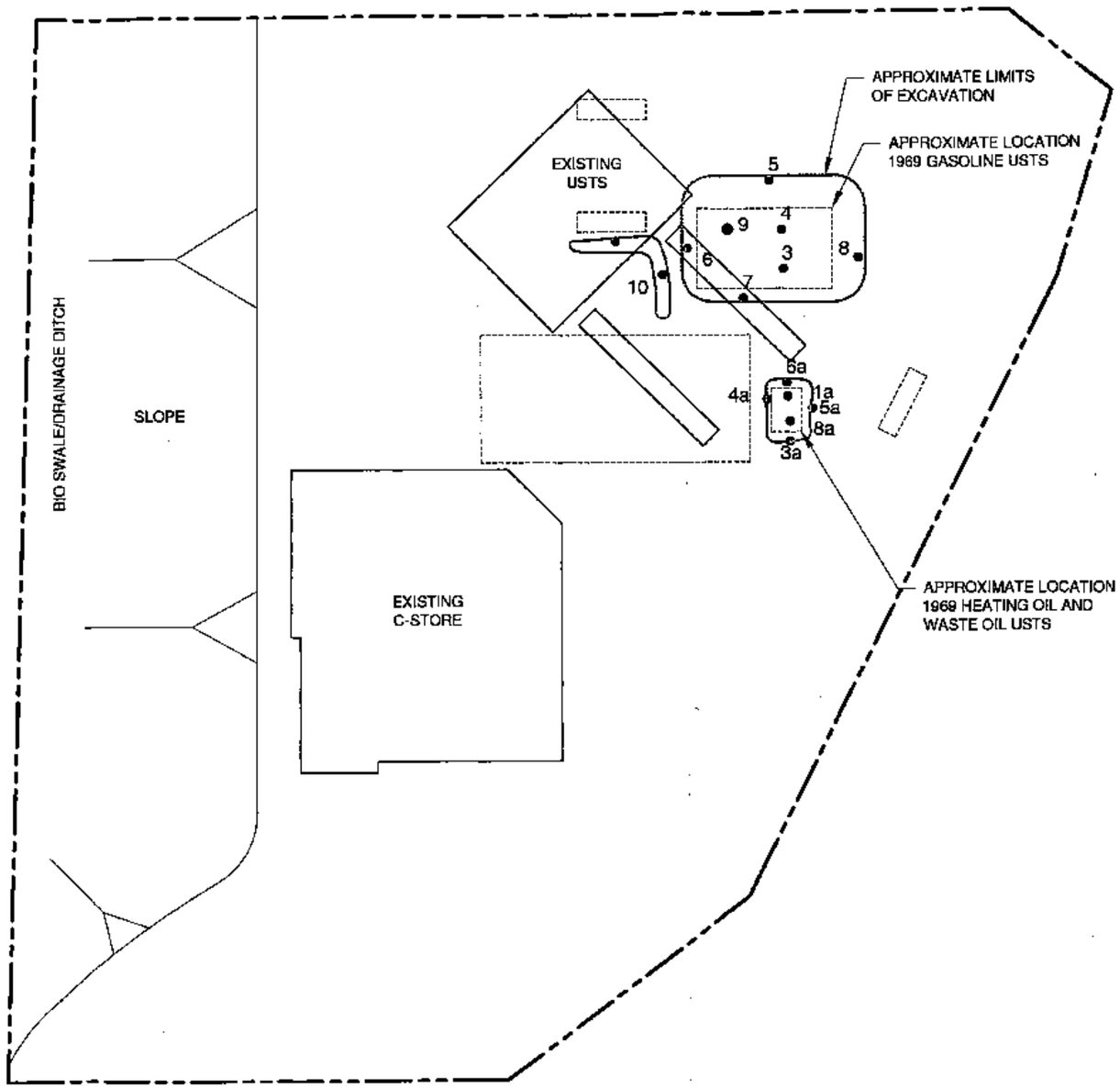
Tel (206) 654-7045
Fax (206) 654-7048

FIGURE 1 - Location/Topographic Map

Project : Federal Way Shell
Location : 29625 Pacific Highway
Federal Way, WA 98003
Client : Business Loan Express (Seattle)
Project No : WA05-13165-ESA Date : 11/04/05

LEGEND:

- EXISTING BUILDING, DISPENSERS AND USTS
- FORMER BUILDING, DISPENSERS AND USTS
- 1 ● - GEO ENGINEERS SOIL SAMPLE NUMBER AND APPROXIMATE LOCATION



NOT TO SCALE

LSI Adapt™

LSI Adapt, Inc.
615 - 8th Avenue South
Seattle, Washington 98104

Tel (206) 654-7045
Fax (206) 654-7048

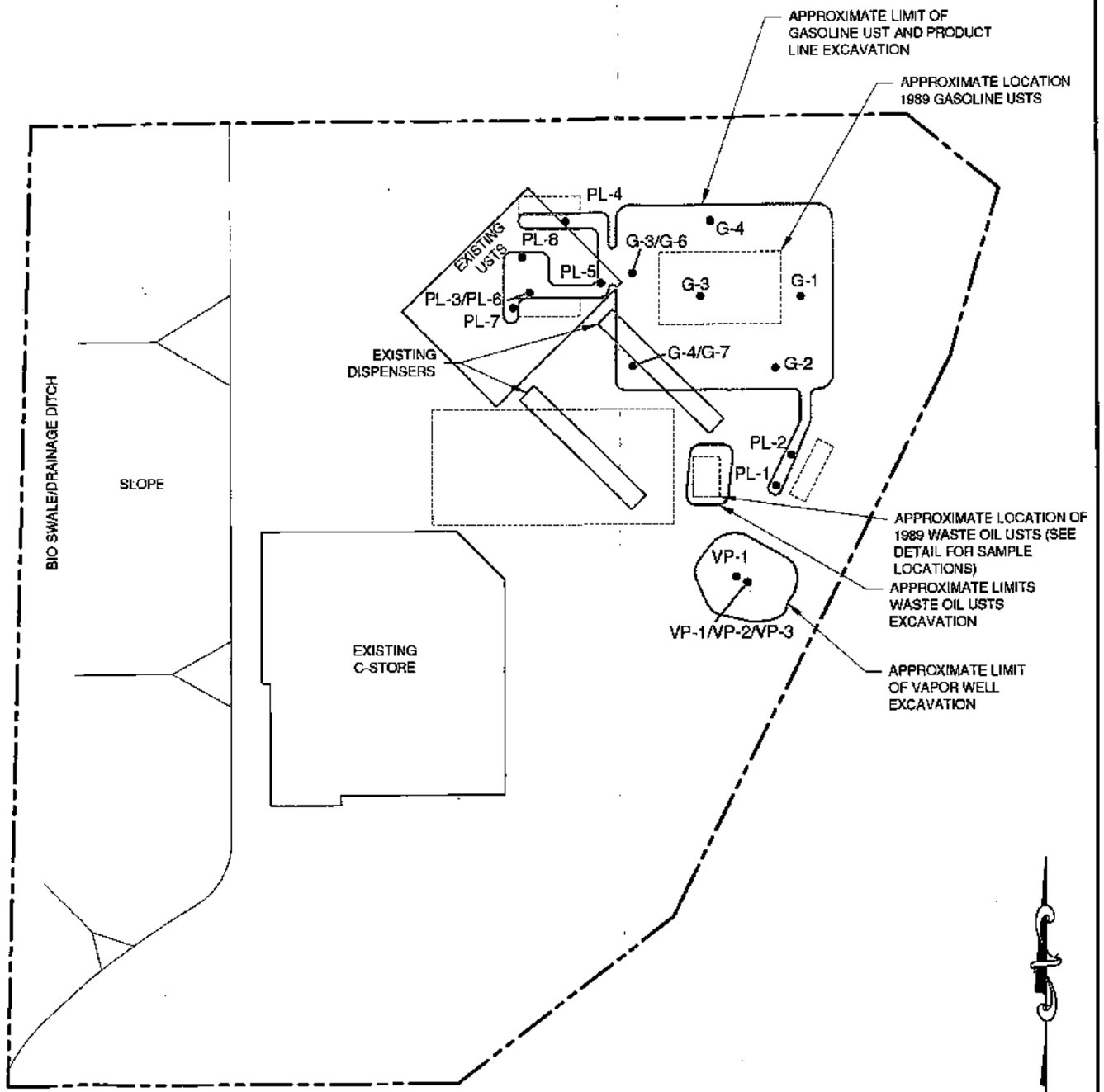
FIGURE 2 - Soil Sample Location (Geo Engineers 1989 UST Removal)

Project : Federal Way Shell
Location : 29825 Pacific Highway
Federal Way, WA 98003
Client : Business Loan Express (Seattle)
Project No : WA05-13165-ESA Date : 11/04/05

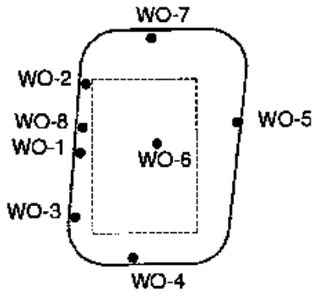
LEGEND:

- EXISTING BUILDING, DISPENSERS AND USTS
- FORMER BUILDING, DISPENSERS AND USTS

G-1 ● - GEO ENGINEERS SOIL SAMPLE NUMBER AND APPROXIMATE LOCATION



WASTE OIL SAMPLE LOCATION DETAIL



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LSI Adapt, Inc.
615 - 8th Avenue South
Seattle, Washington 98104

Tel (206) 654-7045
Fax (206) 654-7048

FIGURE 3 - Soil Sample Location (Geo Engineers 1991 UST Removal)

Project : Federal Way Shell
Location : 29625 Pacific Highway
Federal Way, WA 98003
Client : Business Loan Express (Seattle)
Project No : WA05-13165-ESA Date : 11/04/05

LEGEND:

- EXISTING BUILDING, DISPENSERS AND USTS
- FORMER BUILDING, DISPENSERS AND USTS

FWS-B1 ● - NUMBER AND APPROXIMATE LOCATION OF ARCS PHASE II BORING

NOT TO SCALE

LSI Adapt™
LSI Adapt, Inc.
615 - 8th Avenue South
Seattle, Washington 98104
Tel (206) 654-7045
Fax (206) 654-7048

FIGURE 4 - Boring Location (ARCS 2001 Phase II)

Project : Federal Way Shell
Location : 29625 Pacific Highway
Federal Way, WA 98003
Client : Business Loan Express (Seattle)
Project No : WA05-1316S-ESA Date : 11/04/05

APPENDIX C

REPORT OF REMEDIAL ACTION UNDERGROUND STORAGE TANK REMOVAL UNOCAL SERVICE STATION 6227, KING COUNTY, WASHINGTON NOVEMBER 27, 1989

RECEIVED
NOV 29 1989
DEPARTMENT OF ECOLOGY
NORTHWEST REGION

REPORT OF REMEDIAL ACTION
UNDERGROUND STORAGE TANK REMOVAL
UNOCAL SERVICE STATION 6227
KING COUNTY, WASHINGTON
FOR
UNOCAL

GeoEngineers

Consulting Geotechnical
Engineers and Geologists

November 27, 1989

Unocal
P. O. Box 76
Seattle, Washington 98111

Attention: Mr. Gary Gunderson

We are submitting five copies of our report for environmental monitoring during removal of the underground fuel tanks at Unocal Service Station 6227 in King County, Washington. Our services were authorized verbally by Mr. Leigh Carlson on September 7, 1989. Contractual terms for our services are included in Blanket Contract B1982A.

We appreciate the opportunity to be of continued service to Unocal. Please call if you have any questions regarding this report.

Yours very truly,

GeoEngineers, Inc.

James A. Miller, P.E.
Principal

JF:JAM:db

cc: Mr. Joe Hickey
Washington Department of Ecology
4350 150th Avenue Northeast
Redmond, Washington 98052

File No. 0161-041-B04

GeoEngineers, Inc.
2405 140th Ave. NE, Suite 105
Bellevue, WA 98005
Telephone (206) 746-5200
Fax. (206) 746-5068

Geo Engineers

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GeoEngineers

REPORT OF REMEDIAL ACTION
UNDERGROUND STORAGE TANK REMOVAL
UNOCAL SERVICE STATION 6227
KING COUNTY, WASHINGTON
FOR
UNOCAL

INTRODUCTION

This report summarizes the results of our observations during the removal of the underground fuel storage tanks at the site of Unocal Service Station 6227 near Federal Way in King County, Washington. The site is located northwest of the intersection between Pacific Highway South and Dash Point Road, as shown on the Vicinity Map, Figure 1. The general layout of the site is shown on the Site Plan, Figure 2.

Two 10,000-gallon steel gasoline storage tanks, one 550-gallon steel waste oil tank and one 550-gallon steel heating oil tank were removed from the site between September 12 and 14, 1989. The steel gasoline storage tanks were replaced by two 12,000-gallon double-wall fiberglass-coated steel underground storage tanks. The steel waste oil tank was replaced with a 520-gallon double-wall fiberglass-coated steel tank. The steel heating oil tank was removed but not replaced.

The purpose of our services was to observe and evaluate subsurface soil conditions in the excavations, and to develop a remediation plan, if necessary. GeoEngineers' scope of services completed for this project is listed below.

1. Observe and document the excavation of the four underground storage tanks at the site.
2. Obtain soil samples from the limits of the storage tank excavations for chemical analysis of petroleum-related contaminants. Field screening was conducted on each soil sample for evidence of contamination using visual, water sheen and volatile organics headspace screening methods. These methods are described in Appendix A.
3. Obtain one soil sample for chemical analysis from beneath a segment of the product lines that was exposed during repair of a broken water line.

4. Obtain composite samples for chemical analyses from soil removed from the excavations as required for disposal at a landfill.
5. Evaluate the field and laboratory data with regard to existing regulatory concerns.

SOIL EXCAVATION AND SAMPLING

GASOLINE STORAGE TANK EXCAVATION

Joe Hall Construction Inc. (Joe Hall) removed the two gasoline storage tanks on September 12, 1989 from the locations shown in Figure 2. GeoEngineers was present to observe the tank removal activities and to obtain soil samples. Very minor evidence of rust and corrosion was observed on the two storage tanks.

Ground water was not encountered in the excavation. The excavation extended to a depth of 18 feet in the southern portion and 19 feet in the northern portion. Backfill surrounding the tanks consisted of sandy gravel. Fine to medium gravelly sand interbedded with thin layers of gravel and cobbles was encountered in the walls of the gasoline tank excavation to a depth of 18 feet. The gravelly sand unit is underlain by silty sand with occasional gravel.

Physical evidence of petroleum-related contamination was detected in the backfill material in the vicinity of the fill port for the super unleaded gasoline storage tank. Approximately 600 cubic yards of contaminated backfill was transported to Fife Sand and Gravel for aeration. Non-contaminated backfill was transported to Fife Sand and Gravel for use as fill material at other locations. The excavation was lengthened on September 12 to accommodate the larger gasoline storage tanks. The final limits of the excavation are shown in Figure 2.

Seven soil samples (Samples 3 through 9) were obtained from the limits of the completed excavation. Sample 1 was obtained from the non-contaminated backfill removed from the tank excavation and Sample 2 was collected from the contaminated backfill that was transported to Fife Sand and Gravel. All of these soil samples were analyzed for the presence of total petroleum hydrocarbons (TPH by EPA Method 418.1) and for benzene, ethylbenzene, toluene and xylenes (BETX by EPA Method 8020). The sample

locations are shown in Figure 2. Analytical results are summarized in Table 1. Laboratory reports for the soil samples are included in Appendix B.

A section of the product lines was exposed during tank replacement operations to facilitate the repair of a broken water line. The location of the water line excavation is shown on Figure 2. Two discrete soil samples were obtained from beneath the exposed product lines and composited. This composite sample (Sample 10) was submitted for laboratory analysis of BETX and TPH.

The current Washington State Department of Ecology (Ecology) cleanup guidelines for petroleum-contaminated soil are 200 ppm TPH, 660 ppb (.66 ppm) benzene, 14 ppm ethylbenzene and 143 ppm toluene. Test results indicated that concentrations of benzene, ethylbenzene, toluene and TPH were either nondetected or were less than current Ecology cleanup guidelines (Table 1) in the soil samples obtained from the limits of the gasoline storage tank excavation, from beneath the exposed product line and from the non-contaminated soil that was transported to Fife Sand and Gravel for use as fill. A TPH concentration greater than Ecology cleanup guidelines was detected in Sample 2, obtained from the contaminated backfill material.

WASTE OIL/HEATING OIL TANKS EXCAVATION

The waste oil and heating oil tanks were removed by Joe Hall on September 14, 1989. Minor evidence of corrosion was noted on both tanks. The two small-diameter copper pipes that serve as heating oil supply and return pipes were encountered 2.3 feet below the asphalt surface layer in the north wall of the excavation. Petroleum-like odor and staining were noted in the soil surrounding these two pipes.

Six soil samples (Samples 1a through 6a) were obtained from the initial limits of the waste oil/heating oil tanks excavation. Sample 7a was a composite sample obtained from the backfill material removed from the excavation and transported to Fife Sand and Gravel for temporary storage. Approximately 100 cubic yards of backfill from the waste oil/heating oil tanks excavation was transport to Fife Sand and Gravel. Soil sample locations are indicated on Figure 2.

Field screening of soil samples obtained from the limits of the excavation indicated the possible presence of heavier hydrocarbon contamination in the four walls and floor of the excavation. Because the service station building is located immediately north and a service island concrete slab immediately south of the excavation, it was determined that additional soil could not be removed from the walls of the excavation without endangering these structures. It was possible to remove an additional 2.5 feet of soil from beneath the waste oil tank in an attempt to determine the vertical extent of contamination in this area. The results of field screening and laboratory analysis are listed in Table 2.

Samples 1a, 4a, 7a and 8a resulted in TPH concentrations greater than Ecology cleanup guidelines (Table 2). Sample 1a was obtained from beneath the heating oil tank at depth of 6 feet. Sample 4a was obtained from 0.5 feet below the copper pipes that were encountered in the north wall of the excavation. Sample 7a was a composite sample obtained from the soil removed from the excavation and transported to Fife Sand and Gravel. Soil Sample 8a was obtained from the deepened excavation at a depth of 8.5 feet.

SOIL DISPOSAL

We were informed by Joe Hall Construction that the 700 cubic yards of soil temporarily stored at Fife Sand and Gravel was transported on November 21, 1989 to Coal Creek Landfill for disposal. Del Lovell of Joe Hall Construction indicated that permission for disposal was given by Seattle-King County Department of Public Health based on the results of chemical analyses on samples of the soil removed from Service Station 6227.

CONCLUSIONS AND RECOMMENDATIONS

Based on the results of our observations and testing, gasoline-related contamination of regulatory significance is not present in the vicinity of the underground gasoline storage tanks. However, the results of this study indicate the presence of subsurface petroleum-related soil contamination in the vicinity of the new waste oil tank. Excavation of this soil would require removal of the service station building and the new tank.

The residual contamination in the vicinity of the waste oil tank appears to be limited in extent. It is our opinion, therefore, that this

contamination does not represent a hazard to human health or the environment and that removal of the building is not warranted.

LIMITATIONS

We have prepared this report for use by Unocal. This report may be made available to regulatory agencies. This report is not intended for use by others and the information contained herein is not applicable to other sites.

Our interpretation of soil conditions during remediation is based on field observations and chemical analytical data. It is possible that areas with undetected contamination may exist in portions of the site which were not excavated or analyzed.

Within the limitations of scope, schedule and budget, our services have been executed in accordance with generally accepted practices in this area at the time the report was prepared. No other conditions, express or implied, should be understood.

Respectfully submitted,

GeoEngineers, Inc.

Julia Fowler
Hydrogeologist

James A. Miller, P.E.
Principal

JF:JAM:db

TABLE 1
SUMMARY OF SUBSURFACE SOIL CHEMISTRY
GASOLINE STORAGE TANK AND PRODUCT LINE EXCAVATION

Sample Number	Sampling Date	Depth of Sample (feet)	BETX (ppb)(a) (EPA Method 8020) B	E	T	X	TPH(b) (EPA Method 418.1) (PPM)	Field screening Results(c) Headspace Vapors (ppm)	Sheen Test	General Sample Location
1	9/12/89	Composite	ND	ND	ND	7.5	28.1	180	NS	Composite from soil taken to Fife Sand & Gravel for use as fill
2(d)	9/12/89	Composite	77	440	730	3270	382	110	NS	Composite of contaminated soil transported to Fife Sand & Gravel for aeration
3	9/12/89	18	ND	ND	ND	13.8	ND	<100	Slight	Base of excavation, beneath unleaded gasoline tank
4	9/12/89	18	ND	2.6	4.1	94	21.7	<100	Slight	Base of excavation, beneath super unleaded gasoline tank
5	9/12/89	17	ND	ND	ND	4	ND	<100	NS	East wall
6	9/12/89	17	ND	ND	ND	ND	31.2	<100	NS	North wall
7	9/12/89	17	ND	ND	ND	ND	ND	<100	NS	West wall
8	9/12/89	16	ND	ND	1.2	6.2	ND	<100	Slight	South wall
9	9/12/89	19	ND	ND	ND	1.7	ND	<100	NS	Base of excavation, beneath super unleaded gasoline storage tank
10	9/12/89	2	ND	ND	ND	1.6	ND	<100	Slight	Beneath product lines

Notes:
"ND" indicates "not detected", "NS" indicates "no sheen."
"ppb" indicates "parts per billion", "ppm" indicates "parts per million."
(a) B = benzene, E = ethylbenzene, T = toluene, X = xylenes. Detections limits are given in Appendix B.
(b) TPH = total petroleum hydrocarbons. Detection limits are given in Appendix B.
(c) Refer to Appendix A for a description of field screening methods.
(d) Sample 2 was also analyzed for fuel hydrocarbons by Modified EPA Method 8015. A concentration of 42 ppm "heavy oil" was detected in this sample.

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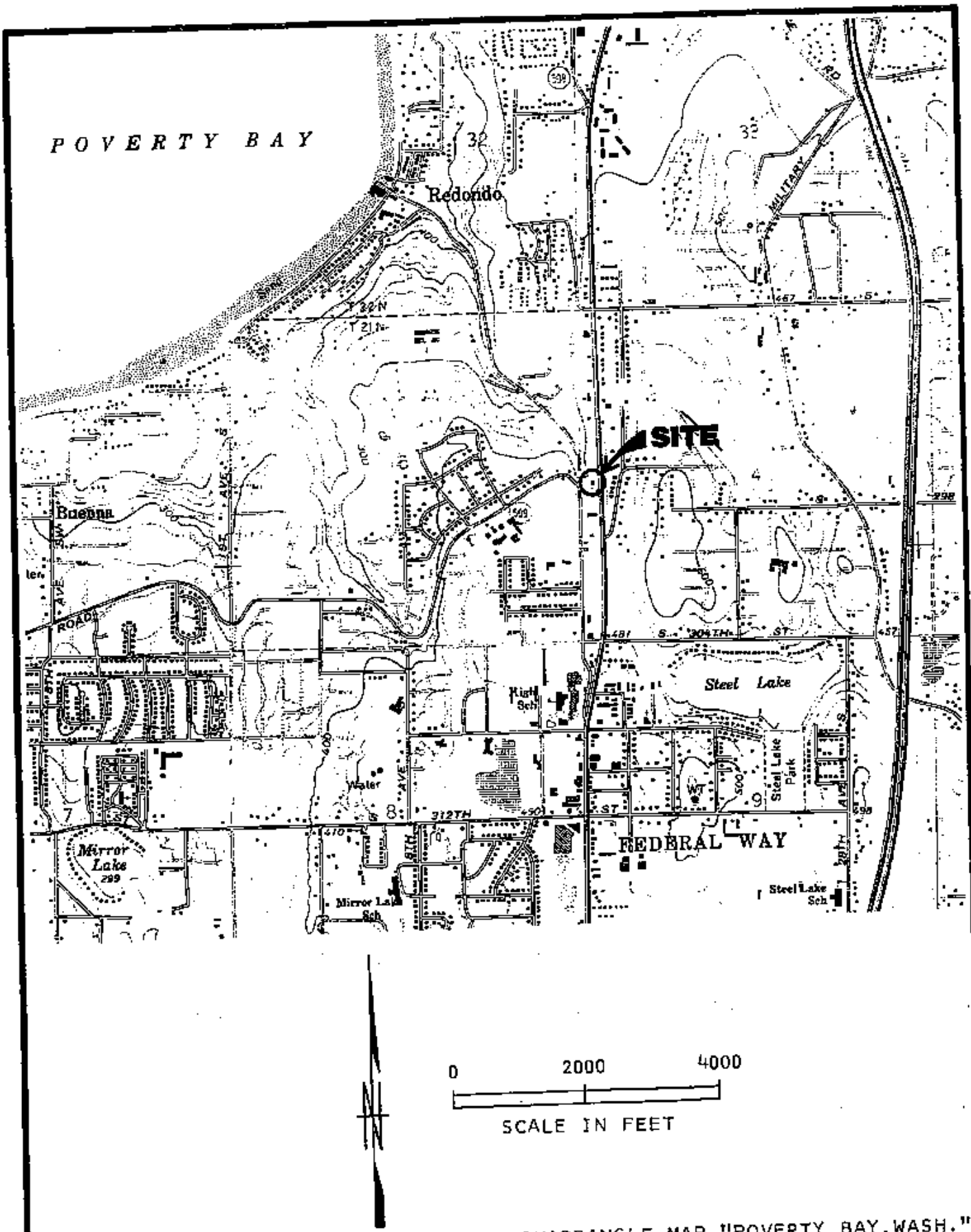
TABLE 2
SUMMARY OF SUBSURFACE SOIL CHEMISTRY
WASTE OIL AND HEATING OIL TANK EXCAVATION

Sample Number	Sampling Date	Depth of Sample (feet)	Total Petroleum Hydrocarbons (ppm) (EPA Method 418.1)	Field screening Results(1)		General Sample Location
				Headspace Vapors (ppm)	Sheen Test	
1a	9/14/89	6	561	<100	Moderate	Base of excavation, beneath heating oil tank
2a	9/14/89	6	--	<100	Moderate	Beneath waste oil tank
3a	9/14/89	4	7.9	<100	Moderate	West wall
4a	9/14/89	3	14,933	200	Heavy	North wall
5a	9/14/89	3.5	12.0	<100	Moderate	South wall
6a	9/14/89	4	9.3	<100	Moderate	East wall
7a(2)	9/14/89	Composite	280	<100	Slight	Composite of soil from excavation
8a	9/14/89	8.5	208	<100	Moderate	Base of excavation, beneath waste oil tank

Notes:
"ppb" indicates "parts per billion"; "ppm" indicates "parts per million."
(1) Field screening methods are described in Appendix A.
(2) Sample 7a was also analyzed for chlorinated hydrocarbons (EPA Method 8010), flash point and PCBs. PCBs and chlorinated hydrocarbons were not detected in this sample. Flashpoint was determined to be greater than 200 degrees Fahrenheit.



REFERENCE: USGS 7.5' TOPOGRAPHIC QUADRANGLE MAP "POVERTY BAY, WASH."

0161-041-804 DJK:KKT 10.6.89

Geo Engineers

VICINITY MAP

FIGURE 1

PACIFIC HIGHWAY SOUTH

Planter

Planter

Planter

Service Islands

Concrete Slab

Underground Gasoline
Storage Tanks (Replaced)

Water Line Excavation

Limits Of Excavations

Underground Heating
Oil Tank (Removed)

Service Island

Concrete Slab

Service Station Building

Concrete Slab

Underground Waste
Oil Tank (Replaced)

Planter

Property Line

DASH POINT ROAD

Planter

0 20 40

SCALE IN FEET

EXPLANATION:

1a SOIL SAMPLE LOCATION AND NUMBER

REFERENCE: DRAWING ENTITLED "GENERAL ARRANGEMENT, SERVICE STATION 6227, PACIFIC HWY. S. & DASH PT. ROAD, KING CO., WASHINGTON", DATED 3/24/69, BY UNOCAL.

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SITE PLAN

FIGURE 2

APPENDIX A

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APPENDIX A

FIELD SCREENING OF SOIL SAMPLES

A GeoEngineers representative conducted field screening on soil samples obtained from the underground storage tank excavations. Field screening results are used as a general guideline to delineate areas of potential petroleum-related contamination in soils. In addition, screening results are used to aid in the selection of soil samples for chemical analysis. The field screening methods employed included: (1) visual examination, (2) sheen testing, and (3) headspace vapor testing using a Bacharach TLV Sniffer calibrated to hexane. The results of headspace and sheen screening are included on Tables 1 and 2 in the text of this report.

Visual screening consists of inspecting the soil for the presence of stains indicative of petroleum-related contamination. Visual screening is generally more effective in detecting the presence of heavier petroleum hydrocarbons such as motor oil or when hydrocarbon concentrations are high. Sheen screening and headspace vapor screening are more sensitive methods which have been effective in detecting contamination at levels less than regulatory cleanup guidelines.

Sheen testing involves placing soil in water and observing the water surface for signs of sheen. Sheens are classified as follows:

NS - No Sheen	No visible sheen.
SS - Slight Sheen	Light colorless sheen, spotty to globular; spread is irregular, not rapid; areas of no sheen remain; film dissipates rapidly.
MS - Moderate Sheen	Light to heavy film, may have some color or iridescence, globular to stringy; spread is rapid; irregular to flowing.
HS - Heavy Sheen	Heavy colorful film with iridescence; stringy, spread is rapid; sheen flows off the sample; most of water surface is covered.

Headspace vapor screening involves placing a soil sample in a plastic sample bag. Air is captured in the bag and the bag is shaken to expose the soil to the air trapped in the bag. The probe of a Bacharach TLV Sniffer is used to puncture the bag, the instrument withdraws the air in the bag and the TLV Sniffer records the concentration of combustible vapor in the air removed from the sample headspace. The TLV Sniffer records concentrations in parts per million (ppm) and is calibrated to hexane. The Sniffer is designed to quantify combustible gas concentrations in the range between 100 and 10,000 ppm.

Field screening results are site specific. The results vary with temperature, soil type, type of contaminant, and soil moisture content.

CHEMICAL ANALYTICAL PROGRAM

Soil samples obtained between September 12 and 14, 1989 were analyzed by Enviros Corporation or Sound Analytical Services, Inc.. The soil samples were analyzed for TPH and/or BETX. Infrared spectrophotometry methods were used to analyze for petroleum hydrocarbons (EPA Method 418.1) and gas chromatography was used to quantify BETX (EPA Method 8020).

The composite sample obtained from backfill material surrounding the gasoline tanks was also analyzed for fuel hydrocarbons by modified EPA Method 8015. The composite sample obtained from backfill material surrounding the heating oil and waste oil tanks was analyzed for PCBs, chlorinated hydrocarbons (EPA Method 8010), and TPH (EPA Method 418.1).

APPENDIX B

APPENDIX B

SOUND ANALYTICAL SERVICES, INC.

SPECIALIZING IN INDUSTRIAL & TOXIC WASTE ANALYSIS
4630 PACIFIC HIGHWAY EAST, SUITE B-14, TACOMA, WASHINGTON 98424 - TELEPHONE (206)922-2310 - FAX (206)922-5047

Report To: GeoEngineers

Date: September 18, 1989

Report On: Analysis of Soil

Lab No.: 7652
Page 1 of 2

GeoEngineers
SEP 20 1989
Rec'd JF
File

IDENTIFICATION:
Samples Received on 9-14-89
Project: 161-41-4 Unocal, Federal Way

ANALYSIS:

Laboratory Sample No.	Client Identification	Total Petroleum Hydrocarbons, mg/kg by EPA Method 418.1
Rush 1	#1	561
Rush 2	#3	7.9
Rush 3	#4	14,933
Rush 4	#5	12.0
Rush 5	#6	9.3
Rush 6	#7	280
Rush 7	#8	208

Laboratory Sample No.: Rush 6 Client ID: #7

Flash, PMCC°F	> 200
PCB, Type	ND
PCB, mg/kg	< 0.1

Continued . . . . . .

This report is issued solely for the use of the person or company to whom it is addressed. This laboratory accepts responsibility only for the due performance of analysis in accordance with

SOUND ANALYTICAL SERVICES, INC.

GeoEngineers
Page 2 of 2
Lab No. 7652
September 18, 1989

Laboratory Sample No.: Rush 6 Client ID: #7

Purgeable Halocarbons per EPA SW-846, Method 8010.

Contaminant	Concentration (mg/kg) (ppm)
Methylene chloride	< 0.05
1,1-dichloroethylene	< 0.05
1,2-dichloroethane	< 0.05
1,2-transdichloroethylene	< 0.05
Chloroform	< 0.05
1,2-dichloroethane*	
Freon	< 0.010
1,1,1-trichloroethane	< 0.05
Bromodichloromethane*	
Carbon Tetrachloride	< 0.010
1,2-dichloropropane*	
Trans-1,3-dichloropropene	< 0.010
Trichlorethylene	< 0.05
Cis-1,3-dichloropropene*	
1,1,2-trichloroethane	< 0.010
Chlorodibromomethane	< 0.05
Bromoform	< 0.05
Tetrachloroethylene	< 0.05
1,1,2,2-tetrachloroethane	< 0.05
Chlorobenzene	< 0.05

* These halocarbons coelute

SOUND ANALYTICAL SERVICES

STAN P. PALMQUIST

This report is issued solely for the use of the person or company to whom it is addressed. This laboratory accepts responsibility only for the due performance of analysis in accordance with

SEP 21 1989

By JF

File

September 19, 1989

Julia Fowler, Project Coordinator
GeoEngineers, Inc.
2405-140th Avenue N.E., Suite 105
Bellevue, WA 98005

Dear Julia:

Enclosed are the results of the analyses of samples submitted on September 12, 1989 from Project 0161-41-4 Unocal.

We appreciate this opportunity to be of service to you on this project. If you have any questions regarding this material, or if you just want to discuss any aspect of your projects, please do not hesitate to contact me.

Sincerely,

James K. Farr, Ph.D.

Enclosures

enviros

Corporation Scientists & Engineers (206) 455-2962 fax 451-8546
600 Skyline Tower 10900 NE 4th Street Bellevue, Washington 98004
Analytical Laboratory: 225 112th Avenue NE (206) 453-8174

Date of Report: September 19, 1989
Date Submitted: September 12, 1989
Project: 0161-41-4 Unocal

RESULTS OF ANALYSES OF ENVIRONMENTAL SAMPLES FOR BTX AND ETHYLBENZENE USING PURGE AND TRAP (EPA METHOD 602/8020) Results Reported as ng/g (ppb)

Sample #	Dil. Fac.	Benzene	Toluene	Et-Benzene	Xylene m,p	Xylene o
1	1	<1	<1	<1	5.4	2.1
2	100	<100	680	390	2,400	1,000
2	50	60	730	440	2,300	970
2	1	77	>50	>50	>50	>50
3	1	<1	<1	<1	7.4	6.4
4	1	<1	4.1	2.6	49	45
5	1	<1	<1	<1	2	2
6	1	<1	<1	<1	<1	<1
7	1	<1	<1	<1	<1	<1
8	1	<1	1.2	<1	3.0	3.1
9	1	<1	<1	<1	1.7	<1
10	1	<1	<1	<1	1.6	<1

enviros

Date of Report: September 19, 1989
Date Submitted: September 12, 1989
Project: 0161-41-4 Unocal

RESULTS OF ANALYSES OF ENVIRONMENTAL SAMPLES FOR BTX AND ETHYLBENZENE USING PURGE AND TRAP (EPA METHOD 602/8020)
Results Reported as ng/g (ppb)

Sample #	Dil. Fac.	Benzene	Toluene	Et-Benzene	Xylene m,p	Xylene o
Quality Assurance						
Method Blank		<1	<1	<1	<1	<1
(Duplicate)		<1	<1	<1	1.5	<1
(Matrix Spike) Spiked @ 20 ppb Percent Recovery		94%	89%	81%	93%	80%

enviros

Date of Report: September 19, 1989
Date Submitted: September 12, 1989
Project: 0161-41-4 Unocal

RESULTS OF ANALYSES OF SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS (C7-C30) BY MODIFIED EPA METHOD 8015

Sample #	Matrix	Dilution Factor.	TPH (ppm)	RANGE (C7-C30)
2	Soil	1	42*	C7-C32
Quality Assurance				
Method Blank		1	<1.0	----
2 (Duplicate)		1	45	----

* Heavy Oil

enviros

Date of Report: September 19, 1989
Date Submitted: September 12, 1989
Project: 0161-41-4 Unocal

RESULTS OF ANALYSES OF ENVIRONMENTAL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS BY IR (EPA METHOD 418.1)

Sample #		Total Petroleum Hydrocarbons (ppm)
1	Soil	28.1
2	Soil	382
3	Soil	<5.0
4	Soil	21.7
5	Soil	<5.0
6	Soil	31.2
7	Soil	<5.0
8	Soil	<5.0
9	Soil	<5.0
10	Soil	<5.0

Quality Assurance

Method Blank	<5.0
10 (Duplicate)	<5.0

enviros

Julia Fowler

GEOENGINEERS INC.
2405 - 140th AVE. N.E., SUITE 105
BELLEVUE, WASHINGTON 98005
206-746-5200

PROJECT LOC. Federal Way

PROJECT NAME Undocal

GEI FILE NO. 161-41-4

CHAIN OF CUSTODY RECORD

SAMPLED BY Jon C Kolosk: DATE 9-12-89

SAMPLE No.	DATE SAMPLED	~~TIME SAMPLED~~ Lab #	DEPTH OF SAMPLE	TYPE OF SAMPLE	FIELD FILTERED	PRESERVATIVE ADDED TO SAMPLE	ANALYSES TO BE CONDUCTED	NO. OF SAMPLE CONTAINERS	COMMENTS
1	9-12	2456	Composite	50:1	NO	No - Ice	BETX + TPH (add HCl 9/15/89)	1	BETX by 8020 and TPH by 418.1
2	9-12	57	Composite	"		" "	"	1	
3	9-12	55	18'	"		" "	"	1	
4	9-12	54	10'	"		" "	"	1	
5	9-12	2466	17'	"		" "	"	1	
6	9-12	6.1	17'	"		" "	"	1	
7	9-12	6.2	17'	"		" "	"	1	
8	9-12	6.3	16'	"		" "	"	1	
9	9-12	6.4	9' comp	"		" "	"	1	
10	9-12	2465	~~TEMP~~ comp	"		←	←	4	

RELINQUISHED BY (SIGNATURE) NAME / FIRM	DATE	TIME	RECEIVED BY (SIGNATURE) NAME / FIRM	DATE	TIME
Jon C Kolosk / GeoEngineers INC.	9-12-89		[signature]	9/12/89	14:45

ADDITIONAL COMMENTS:

Please analyze Sample 2 as quickly as possible (24-hour). The others are regular turn around.

Please use EPA methods. Thanks, Julia

GEI 10/87

APPENDIX D

RESULTS OF SUPPLEMENTAL FIELD TESTING UNOCAL SERVICE STATION 6227, KING COUNTY, WASHINGTON JANUARY 17, 1991

RECEIVED
JAN 22 1991
DEPT. OF ECOLOGY

Interim Soils

RESULTS OF SUPPLEMENTAL FIELD TESTING
UNOCAL SERVICE STATION 6227
KING COUNTY, WASHINGTON
FOR
UNOCAL

GeoEngineers

January 17, 1991

Consulting Geotechnical
Engineers and Geologists

Unocal
P.O. Box 76
Seattle, Washington 98111

Attention: Mr. Gary Gunderson

Results of Supplemental Field Testing
Unocal Service Station 6227
King County, Washington
File No. 0161-041-B04

INTRODUCTION

The results of our supplemental testing for subsurface petroleum-related contamination at the site of Service Station 6227 are presented in this report. The site is located northwest of the intersection between Pacific Highway South and Dash Point Road in the Federal Way area of King County, Washington. The site location and surrounding features are shown in Figure 1. The general layout of the site is shown on the Site Plan, Figure 2.

GeoEngineers previously completed two studies at Service Station 6227. We provided geotechnical services regarding fill embankment and storm drain replacement in 1987. The results of our geotechnical consultation are presented in our report dated June 4, 1987. We observed the removal of the former underground gasoline, waste oil and heating oil storage tanks at the site in September 1989. The results of our observations during tank removal activities at the site are presented in our report dated November 27, 1989.

Total petroleum hydrocarbons (TPH) were detected at concentrations greater than the Washington Department of Ecology (Ecology) cleanup guidelines in the walls and base of the excavation completed for removal of the waste oil and heating oil tanks in 1989. The excavation was between the service station building and the southern service island (Figure 2). Removal of all the contaminated soil from this area was not attempted because of the potential for endangering the building and service island concrete slab. The former gasoline and waste oil tanks were replaced with new tanks. The heating oil tank was removed, but not replaced.

GeoEngineers, Inc.
2405 140th Ave. NE, Suite 105
Bellevue, WA 98005
Telephone (206) 746-5200
Fax. (206) 746-5068

Based on the results of our observations during 1989 tank removal activities, we concluded that the residual contamination in the vicinity of the waste oil tank was limited in extent. We also concluded that this contamination did not represent a hazard to human health or the environment.

SCOPE

The purpose of our supplemental services is to determine if shallow ground water exists beneath the site and if that ground water has been affected by residual waste oil-related soil contamination. The scope of services completed for this study includes:

1. Drill one exploration boring (VP-1) in the vicinity of the former waste oil and heating oil tank excavation using hollow-stem auger drilling equipment.
2. Obtain soil samples at 5-foot intervals from the boring and conduct field screening on the soil samples for evidence of contamination using visual, water sheen and headspace vapor screening methods. The field screening methods are described in Appendix A.
3. Test one soil sample from the boring for the presence of benzene, ethylbenzene, toluene and xylenes (BETX) by EPA Method 8020 and for total petroleum hydrocarbons (TPH) by EPA Method 418.1.
4. Install a 2-inch-diameter PVC well casing with a flush-grade, locking surface monument in the boring.
5. Evaluate the field and laboratory data with regard to current regulatory criteria.

SITE CONDITIONS

GENERAL

Service Station 6227 is located within the Federal Way city limits in an area of primarily residential development. The site is located at the head of a ravine that slopes steeply downward toward the north-northwest. The surface of the site is paved with asphaltic concrete and slopes gently downward toward the northwest. The elevation of the site is approximately 420 feet above sea level.

The service station is inactive. The property includes a service station building, three covered service islands, two 12,000-gallon

underground gasoline storage tanks and one 520-gallon underground waste oil tank. These tanks were installed at the site in 1989. The locations of the current facilities at the service station are shown in Figure 2.

SUBSURFACE SOIL CONDITIONS

Subsurface soil conditions in the vicinity of the former waste oil and heating oil tanks were explored by drilling one exploration boring (VP-1) at the location indicated in Figure 2. Details of the field exploration program and the boring log are presented in Appendix A.

Based on the results of our earlier geotechnical study, we understand that the service station is constructed on imported fill placed at the head of the ravine. Fill consisting of sand and gravel with variable amounts of silt was encountered from the base of the asphalt paving to a depth of 25 feet in VP-1. Very dense silty sand with gravel grading to gravel with sand and silt (glacial till) was encountered beneath the fill to the total depth of the boring (33 feet).

GROUND WATER CONDITIONS

Ground water conditions were explored by installing a vapor probe well casing in Boring VP-1. Construction details for the vapor probe are included in Appendix A.

Ground water was not encountered in the boring. Based on the geology of the area, we anticipate that the depth to ground water at this site is greater than 100 feet. It is possible that runoff water from higher ground east and south of the site drains down the filled ravine during rainy months of the year. "Perched" ground water may exist seasonally above the glacial till unit.

SUBSURFACE CONTAMINATION

Potential subsurface petroleum-related contamination at the location of VP-1 was evaluated by: (1) conducting field screening on soil samples from the boring for evidence of contamination using visual, water sheen and headspace vapor screening methods, and (2) testing one soil sample from the boring for BETX and TPH.

The subsurface soil analytical data are summarized in Table 1. The field screening results are presented on the boring log. The laboratory report is included in Appendix B.

A slight sheen was observed on the soil samples obtained from the depths of 17 and 23 feet in VP-1. Headspace vapor concentrations were less than 100 parts per million (ppm) for all of the soil samples from VP-1. The soil sample from a depth of 23 feet was tested for BETX and TPH. BETX was not detected. TPH was detected at a concentration of 420 milligrams per kilogram (mg/kg) in this sample.

Mr. Joe Hickey of Ecology was informed on August 31, 1990 of the presence of the subsurface soil contamination detected in VP-1. Mr. Hickey also has a copy of our report dated November 27, 1989, regarding our observations during tank removal at the site.

CONCLUSIONS AND RECOMMENDATIONS

The results of this study indicate the possible presence of petroleum-related contamination at depth beneath the site of Service Station 6227. The concentration of TPH detected in the soil sample obtained from 23 feet in VP-1 (420 mg/kg) exceeds the current Ecology soil cleanup guideline for TPH of 200 mg/kg. Three soil samples obtained from the limits of the heating oil and waste oil tank excavation in 1989 also exceeded Ecology's cleanup guideline for TPH.

We drilled VP-1 in an attempt to determine whether shallow or "perched" ground water is present beneath the service station site. Because of the variable geologic conditions beneath the site, the results of this effort are inconclusive.

We understand that Unocal intends to remove the existing gasoline and waste oil tanks from the site in the near future. We recommend that additional soil be excavated from the location of the former waste oil and heating oil tank excavation. Soil should be removed from this area until the concentrations of petroleum-related contamination are less than Ecology cleanup guidelines. It may be necessary to demolish the service station building and a portion of the southern service island to excavate all of the contaminated soil.

We further recommend that an exploratory excavation be completed in the vicinity of VP-1 to determine the extent of the subsurface contamination detected in this boring. The depth of this excavation will be approximately 25 feet. It may be necessary to extend this excavation in the direction of the service station building if subsurface conditions suggest that the

source of contamination in VP-1 is the waste oil tank or a source beneath the building. Soil samples obtained from the exploratory excavation should be submitted for laboratory analysis of petroleum hydrocarbons by EPA Methods 8015 (modified) and 418.1. We understand that the storm drain that was replaced in 1987 was installed around the western perimeter of the site. If the storm drain is encountered during excavation it may be necessary to temporarily remove a portion of the drain pipe to allow excavation to continue. The storm drain should be fully restored upon completion of work at the site.

We recommend that contaminated soil be treated on the site if feasible. In our opinion, land farming/biological treatment is the most practical method of soil remediation at this site. Treatment should consist of spreading the soil on a lined and bermed area of the property, tilling the soil regularly, and adding nutrients (fertilizer) and water as necessary to promote biodegradation of the petroleum product.

LIMITATIONS

We have prepared this report for use by Unocal. This report can be made available to prospective buyers of the property and to regulatory agencies. The report is not intended for use by others and the information contained herein is not applicable to other sites.

Our interpretations of subsurface conditions are based on data from one boring and from previous excavations at the site. It is possible that areas with undetected contamination exist in areas of the site that were not explored or analyzed.

- o O o -

Within the limitations of scope, schedule and budget, our services have been executed in accordance with generally accepted practices in this area at the time the report was prepared. No other conditions, express or implied, should be understood.

Yours very truly,

GeoEngineers, Inc.

Terry T. Fisk
Geologist

James A. Miller, P.E.
Principal

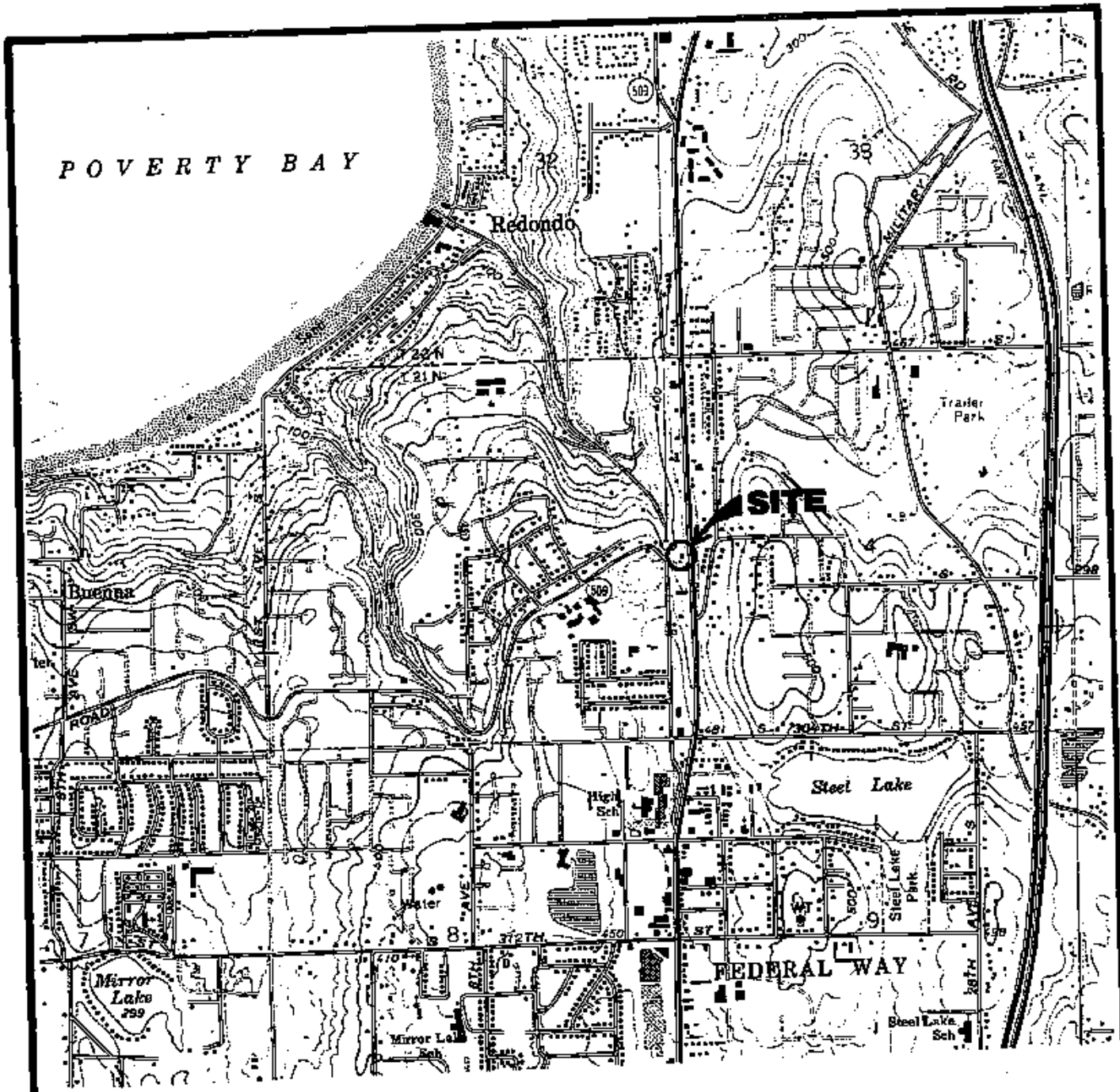
TTF:JAM:ira

cc: Mr. Joe Hickey
Washington Department of Ecology
4350 150th Avenue Northeast
Redmond, Washington 98052

TABLE 1
SUMMARY OF SOIL ANALYTICAL DATA

Soil Sample Location	Date Sampled	Depth of Sample (feet)	Field Screening Results		TPH (EPA Method 418.1) (mg/kg)	BETX (mg/kg) (EPA Method 8020)			
			Headspace Vapors (ppm)	Sheen Test		Benzene	Ethylbenzene	Toluene	Xylenes
VP-1	07/25/90	23	<100	SS	420	<0.025	<0.025	<0.025	<0.025

Notes:
"<" indicates "less than"
"ppm" indicates "parts per million"
"mg/kg" indicates "milligram per kilogram"
"SS" indicates "slight sheen"
"TPH" indicates "total petroleum hydrocarbons"



REFERENCE: USGS 7.5' TOPOGRAPHIC QUADRANGLE MAP "POVERTY BAY, WASH."

GeoEngineers	VICINITY MAP
	FIGURE 1

0161-041-B04 DJK:KRT 10-6-89

PACIFIC HIGHWAY SOUTH

Planter

Planter

Planter

Service Islands

Concrete Slab

Underground Gasoline
Storage Tanks (Replaced)

Underground Heating
Oil Tank (Removed)

Service Island

Concrete Slab

Service Station Building

Concrete Slab

Underground Waste
Oil Tank (Replaced)

⊕VP-1

Planter

Property Line

Planter

DASH POINT ROAD

0 20 40

SCALE IN FEET

EXPLANATION:

⊕VP-1 VAPOR PROBE LOCATION AND NUMBER

LIMITS OF FORMER EXCAVATIONS COMPLETED IN SEPTEMBER 1989

REFERENCE: DRAWING ENTITLED "GENERAL ARRANGEMENT, SERVICE STATION 6227, PACIFIC HWY. S. & DASH PT. ROAD, KING CO., WASHINGTON", DATED 3/24/69, BY UNOCAL.

Geo Engineers

SITE PLAN

FIGURE 2

0161-041-804 JF:KKT 9.25.89

APPENDIX B

Analytical Technologies, Inc. 560 Naches Avenue, S.W., Suite 101, Renton, WA 98055, (206) 228-8335

ATI I.D. # 9008-002

GeoEngineers

AUG 17 1990

Routing

File

August 16, 1990

GeoEngineers, Inc.
2405 140th Ave. NE
Suite 105
Bellevue, WA 98005

Attention : Terry Fisk

Project Number : 0161-041-B04

Project Name : Unocal

On August 1, 1990 Analytical Technologies, Inc. received one soil sample for analysis. The sample was analyzed with EPA methodology or equivalent methods as specified in the attached analytical schedule. The results, sample cross reference, and the quality control data are enclosed.

Mary C. Silva
Senior Project Manager

FWG/hbb

Frederick W. Grothkopp
Technical Manager

SAMPLE CROSS REFERENCE SHEET

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL

ATI #	CLIENT DESCRIPTION	DATE SAMPLED	MATRIX
9008-002-1	MW-1, #5	07/25/90	SOIL

----- TOTALS -----

MATRIX	# SAMPLES
SOIL	1

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

ANALYTICAL SCHEDULE

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL

ANALYSIS	TECHNIQUE	REFERENCE	LAB
BETX	GC/PID	EPA 8020	R
PETROLEUM HYDROCARBONS	IR	EPA 418.1	R
MOISTURE	GRAVIMETRIC	METHOD 7-2.2	R

R = ATI - Renton
SD = ATI - San Diego
T = ATI - Tempe
PNR = ATI - Pensacola
FC = ATI - Fort Collins
SUB = Subcontract

PURGEABLE AROMATICS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: N/A
PROJECT #	: 0161-041-B04	DATE RECEIVED	: N/A
PROJECT NAME	: UNOCAL	DATE EXTRACTED	: 08/02/90
CLIENT I.D.	: REAGENT BLANK	DATE ANALYZED	: 08/06/90
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8020 (BETX)	DILUTION FACTOR	: 1

RESULTS BASED ON DRY WEIGHT

COMPOUND	RESULT
BENZENE	<0.025
ETHYLBENZENE	<0.025
TOLUENE	<0.025
TOTAL XYLENES	<0.025

SURROGATE PERCENT RECOVERY

BROMOFLUOROBENZENE	99

PURGEABLE AROMATICS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 07/25/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 08/01/90
PROJECT NAME	: UNOCAL	DATE EXTRACTED	: 08/02/90
CLIENT I.D.	: MW-1, #5	DATE ANALYZED	: 08/06/90
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8020 (BETX)	DILUTION FACTOR	: 1

RESULTS BASED ON DRY WEIGHT

COMPOUND	RESULT
BENZENE	<0.025
ETHYLBENZENE	<0.025
TOLUENE	<0.025
TOTAL XYLENES	<0.025

SURROGATE PERCENT RECOVERY

BROMOFLUOROBENZENE	85

PURGEABLE AROMATICS
QUALITY CONTROL DATA

CLIENT	: GEOENGINEERS, INC.	SAMPLE I.D.	: 9007-279-5
PROJECT #	: 0161-041-B04	DATE EXTRACTED	: 08/01/90
PROJECT NAME	: UNOCAL	DATE ANALYZED	: 08/02/90
EPA METHOD	: 8020 (BETX)	MATRIX	: SOIL
		UNITS	: mg/Kg

COMPOUND	SAMPLE RESULT	SPIKE ADDED	SPIKED SAMPLE	% REC	DUP SPIKED SAMPLE	DUP % REC	RPD
BENZENE	<0.025	0.60	0.491	82	0.539	90	9
TOLUENE	0.114	0.60	0.549	73	0.600	81	9
TOTAL XYLENES	0.343	0.83	1.02	81	0.950	73	7

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GENERAL CHEMISTRY RESULTS

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL

SAMPLE MATRIX : SOIL
UNITS : mg/Kg

ATI I.D. #	CLIENT I.D.	PETROLEUM HYDROCARBONS
9008-002-1	MW-1, #5	420

GENERAL CHEMISTRY QUALITY CONTROL

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL

SAMPLE MATRIX : SOIL
UNITS : mg/Kg

PARAMETER	ATI I.D.	SAMPLE RESULT	DUP RESULT	RPD	SPIKED RESULT	SPIKE ADDED	% REC
PETROLEUM HYDROCARBONS	9002-217-9	1,200	1,300	8	**	**	**
PETROLEUM HYDROCARBONS	9007-233-6	6	11	59	274	255	105

** Due to the necessary dilution of the sample, result was not attainable.

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GENERAL CHEMISTRY RESULTS

CLIENT : GEOENGINEERS, INC. SAMPLE MATRIX : SOIL
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL UNITS : %

ATI I.D. #	CLIENT I.D.	MOISTURE
9008-002-1	MW-1, #5	12

GENERAL CHEMISTRY QUALITY CONTROL

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL

SAMPLE MATRIX : SOIL
UNITS : %

PARAMETER	ATI I.D.	SAMPLE RESULT	DUP RESULT	RPD	SPIKED RESULT	SPIKE ADDED	% REC
MOISTURE	9007-274-3	6.9	7.0	1	N/A	N/A	N/A
MOISTURE	9007-231-2	28	28	0	N/A	N/A	N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

Analytical Technologies, Inc.

560 Naches Avenue SW, Suite 101 Renton, WA 98055 (206)228-8335

Chain of Custody

DATE 8/1/90 PAGE 1 OF 1

LABORATORY NUMBER:

PROJECT MANAGER: Terry Fisk

COMPANY: L E I

ADDRESS: 2405 Third Ave NE

Ste. Wash, WA 98005

PHONE: 74[illegible]-5200 SAMPLED BY: CAK

SAMPLE DISPOSAL INSTRUCTIONS

☒ ATI Disposal @ $5.00 each ☐ Return

SAMPLE ID	DATE	TIME	MATRIX	LAB ID
Mw-1 #5	7/31/90	10:00	Soil	-1

ANALYSIS REQUEST

8010 Halogenated Volatiles	8020 Aromatic Volatiles	BETX ONLY	8240 GCMS Volatiles	8270 GCMS BNA	8310 HPLC PNA	8080 Pesticides & PCB's	PCB's ONLY	8140 Phosphate Pesticides	8150 Herbicides	WDOE PAH/HH (WAC 173)	418.1 (TPH)	413.2 Grease & Oil	8015 (Modified)	TOC 9060	TOX 9020	% Moisture	EP TOX Metals (8) EP EXT	Priority Pollutant Metals (13)	TCLP ONLY: 8080 Pesticide (4)	TCLP ONLY: 8240 ZH-EXT	TCLP ONLY: 8270	TCLP ONLY: 8150 Herbicides (2)	TCLP ONLY: Metals (8)			NUMBER OF CONTAINERS
		X									X															1

PROJECT INFORMATION

PROJECT NUMBER: [illegible]

PROJECT NAME: [illegible]

PURCHASE ORDER NUMBER:

ONGOING PROJECT? YES ☐ NO ☒

SAMPLE RECEIPT

TOTAL NUMBER OF CONTAINERS	1
COC SEALS/INTACT? Y/N/NA	Y
RECEIVED GOOD COND./COLD	11°
RECEIVED VIA:	

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

TAT: (NORMAL) ☐ 2WKS (RUSH) ☐ 24HR ☐ 48 HRS ☐ 72 HRS ☒ 1 WK

GREATER THAN 24 HR. NOTICE? YES ☐ NO ☒ (LAB USE ONLY)

SPECIAL INSTRUCTIONS:

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
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APPENDIX E

REPORT OF REMEDIAL ACTION UNDERGROUND STORAGE TANK REMOVAL UNOCAL SERVICE STATION 6227, KING COUNTY, WASHINGTON APRIL 10, 1991

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JR 4/23/91 Final Cleanup Report Soils Contamination

REPORT OF REMEDIAL ACTION
UNDERGROUND STORAGE TANK REMOVAL
UNOCAL SERVICE STATION 6227
KING COUNTY, WASHINGTON
FOR
UNOCAL

GeoEngineers

April 10, 1991

Consulting Geotechnical
Engineers and Geologists

Unocal
P.O. Box 76
Seattle, Washington 98111

Attention: Mr. Leigh Carlson

We are submitting five copies of our report of remedial action for Unocal Service Station 6227 located in King County, Washington. Our services for this project were authorized verbally by Mr. Leigh Carlson of Unocal on December 12, 1990. Contractual terms for our services are listed in blanket contract number B1982C.

We appreciate the opportunity to be of continued service to Unocal. Please call if you have any questions regarding this report or our services.

Yours very truly,

GeoEngineers, Inc.

James A. Miller, P.E.
Principal

TTF:JAM:db

cc: ✓Attn: Mr. Joseph Hickey
Washington Dept. of Ecology
Northwest Regional Office
4350 - 150th Ave. N.E.
Redmond, WA 98052-5301

File No. 0161-041-E04

GeoEngineers, Inc.
2405 140th Ave. NE, Suite 105
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Geo Engineers

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GeoEngineers

REPORT OF REMEDIAL ACTION
UNDERGROUND STORAGE TANK REMOVAL
UNOCAL SERVICE STATION 6227
KING COUNTY, WASHINGTON
FOR
UNOCAL

INTRODUCTION AND SCOPE

This report summarizes the results of GeoEngineers' observations during the removal of the underground storage tanks at the site of Unocal Service Station 6227 near Federal Way in King County, Washington. The site is located northwest of the intersection between Pacific Highway South and Dash Point Road, as shown in Figure 1. The general layout of the site is shown in Figure 2. The storage tanks were removed from the site during December 1990 and January 1991. The tanks removed during this study were installed at the site in September 1989.

GeoEngineers previously completed three studies at the site. We provided geotechnical services regarding fill embankment and storm drain replacement in 1987. The results of our geotechnical consultation are presented in our report dated June 4, 1987. We observed the removal of the former underground gasoline, waste oil and heating oil tanks in September 1989. The results of our observations during removal of the former tanks are presented in our report dated November 27, 1989. We drilled one exploration boring and installed a vapor well casing (VP-1) in the boring during July 1990. The results of our vapor well exploration are presented in our report dated January 17, 1991.

Information provided by Unocal indicates that the service station facilities were constructed in 1969. A survey completed in February 1969 indicates that the site was covered primarily with vegetation prior to construction of the service station facilities. Two frame buildings were located in the southwest corner of the site in February 1969. We understand that the underground storage tanks removed from the site during 1989 were the tanks installed originally in 1969.

Two 12,000-gallon double-wall, fiberglass-coated steel gasoline storage tanks; associated product lines; one 520-gallon double-wall, fiberglass-coated steel waste oil tank; and the vapor well were removed from the site between December 13, 1990 and January 10, 1991. The underground storage tanks, product lines and vapor well were not replaced.

The purpose of our services was to observe and evaluate subsurface soil conditions in the excavations and to evaluate the need for remedial actions at the site. GeoEngineers' scope of services completed for this project is listed below.

1. Observe and document the excavation and removal of the underground storage tanks, product lines and vapor well at the site.
2. Obtain soil samples from the limits of the excavations and from soil stockpiles for chemical analysis of petroleum-related contaminants. Conduct field screening on each soil sample for evidence of contamination using visual, water sheen and headspace vapor screening methods. Field screening methods are described in Appendix A.
3. Submit selected soil samples from the excavations and soil stockpiles for one or more of the following chemical analyses: TPH (total petroleum hydrocarbons) by EPA Method 418.1; fuel hydrocarbons by modified EPA Method 8015; BETX (benzene, ethylbenzene, toluene, xylenes) by EPA Method 8020; lead by EPA Method 7420; and TCLP (toxicity characteristic leaching procedure) metals by EPA 7000 series methodology.
4. Evaluate the field and laboratory data with regard to existing regulatory concerns.
5. Arrange for disposal of soil with petroleum-related contamination at the Kitsap County Landfill.

SOIL EXCAVATION AND SAMPLING

GENERAL

Sleister (A.L. Sleister and Sons Construction, Inc.) excavated and removed the underground storage tanks, product lines and vapor well at the site. Sleister was also responsible for the excavation of petroleum-contaminated soil encountered at the site. A representative of GeoEngineers was present to observe the tank removal and soil excavation activities, and to obtain soil samples from the excavations. Soil removed from the excavations was placed in temporary on-site stockpiles. The stockpiles were segregated according to the source of the soil and the relative degree of contamination based on field screening. Composite soil samples were collected from each individual stockpile.

The former locations of the underground storage tanks and the vapor well, the limits of the excavations and the soil sample locations are shown in Figure 2. The soil sample analytical data are summarized in Tables 1, 2 and 3. Laboratory data sheets and chain-of-custody records are included in Appendix B.

Ecology (Washington State Department of Ecology) has established soil cleanup levels under MTCA (Model Toxics Control Act). The MTCA Method A soil cleanup levels for petroleum-related contamination are listed below.

Compound	MTCA Cleanup Level
Benzene	0.5 mg/kg
Ethylbenzene	20 mg/kg
Toluene	40 mg/kg
Xylenes	20 mg/kg
TPH (quantified as gasoline)	100 mg/kg
TPH (quantified as diesel)	200 mg/kg
TPH (other)	200 mg/kg
Total Lead	250 mg/kg

Note: mg/kg = milligrams per kilogram.

WASTE OIL TANK EXCAVATION

The waste oil tank was removed on December 13, 1990. Corrosion or pitting were not observed on the tank. Backfill surrounding the tank consisted of fine to medium sand. Soil encountered in the walls and base of the excavation consisted of gravelly sand with thin layers of gravel and cobbles. Ground water was not encountered in the excavation.

Seven discrete soil samples (WO-1 through WO-7) were obtained from the limits of the waste oil tank excavation on December 13, 1990. One sample (WO-8 composite) was obtained from the stockpiled soil on December 13, 1990. The soil samples obtained from the waste oil tank excavation limits and soil stockpile were submitted for chemical analysis of TPH and fuel hydrocarbons.

The sample obtained from the soil stockpile was also analyzed for TCLP metals. Soil sample analytical results are summarized in Table 1. Soil sample locations are shown in Figure 2.

The concentration of TPH (210 mg/kg) exceeded the MTCA cleanup level in sample WO-1 obtained from the base of the excavation. Fuel hydrocarbons were not detected in sample WO-1. TPH and fuel hydrocarbons were either not detected or were detected at concentrations less than MTCA cleanup levels in the remaining samples. Additional soil was removed from the waste oil tank excavation on December 31, 1990. Sample WO-8 (a discrete sample) was obtained from the base of the excavation after the additional soil was removed and submitted for chemical analysis of TPH and fuel hydrocarbons. TPH and fuel hydrocarbons either were not detected or were detected at concentrations less than MTCA cleanup levels in sample WO-8.

GASOLINE TANK EXCAVATION

The gasoline storage tanks were removed on December 18, 1990. Corrosion or pitting were not observed on the two gasoline tanks. Remedial activities at the site were suspended between December 19 and 30, 1990, because of weather conditions.

Backfill surrounding the tanks consisted of fine to medium sand. Fine to medium gravelly sand with thin layers of gravel and cobbles was encountered in the walls and base of the gasoline tank excavation. Evidence of petroleum-related contamination was not observed in the tank backfill or in the walls and base of the excavation. Ground water was not encountered in the excavation.

Five discrete soil samples (G-1 through G-5) were obtained from the limits of the excavation on December 31, 1990. Four composite samples (SP-1, SP-2, G-SP-A and G-SP-B) were obtained from the stockpiled soil. The soil samples were analyzed for BETX and fuel hydrocarbons. All of the samples, excluding composite samples SP-2 and G-SP-A, were also submitted for analysis of total lead. Soil sample analytical results are summarized in Table 2. Soil sample locations are shown in Figure 2.

Test results indicated that BETX and fuel hydrocarbons were not detected in the soil samples. Lead was detected at concentrations greater than MTCA cleanup levels in samples G-3 and G-4, obtained from the base of

the excavation (770 mg/kg and 460 mg/kg, respectively). Lead was not detected at concentrations greater than the MTCA guideline of 250 mg/kg in the remaining samples.

Additional soil was removed from the excavation on January 30 and 31, 1991, based on the concentrations of lead detected in G-3 and G-4. Three discrete soil samples (G-6 through G-8) and four composite samples (GSP-5 through GSP-8) were obtained and submitted for analysis of lead after the additional soil excavation. Sample G-8 was also analyzed for BETX and fuel hydrocarbons. The concentrations of lead in samples G-6 through G-8, and GSP-5 through GSP-8 either were not detected or were less than MTCA cleanup levels (Table 2). BETX was not detected in sample G-8.

PRODUCT LINE EXCAVATIONS

Five discrete soil samples (PL-1 through PL-5) were obtained from the product line excavations on December 31, 1990 and submitted for analysis of BETX and fuel hydrocarbons. Soil sample analytical results are summarized in Table 3. Soil sample locations are shown in Figure 2. Fuel hydrocarbons (quantified as gasoline) were detected at concentrations greater than MTCA cleanup levels in sample PL-3. Ethylbenzene and xylenes were detected at concentrations less than MTCA cleanup levels in sample PL-3. Benzene and toluene were not detected in this sample. Sample PL-3 was obtained from the western portion of the service islands adjacent to Pacific Highway South, as shown in Figure 2. BETX and fuel hydrocarbons were not detected in the remaining samples.

Additional soil was removed from the product line excavation in the vicinity of PL-3 on January 9, 1991. Three discrete soil samples (PL-6 through PL-8) and one composite sample (PL-SP) were obtained and submitted for analysis of BETX and fuel hydrocarbons after the additional soil was removed. Test results indicated that BETX and fuel hydrocarbons were not detected in these samples. Sample PL-6 also was analyzed for total lead. Lead was not detected in sample PL-6.

VAPOR WELL TEST PIT EXCAVATION

TPH was detected at a concentration of 420 mg/kg in the soil sample tested from a depth of 23 feet in vapor well VP-1 at the time the well was constructed in July 1990. BETX was not detected in this sample. A test pit excavation was completed on January 9 and 10, 1991 at the location of VP-1 to determine the source and extent of the petroleum hydrocarbons detected

in the sample from 23 feet. The vapor well casing was removed during the excavation activities. Ground water was not present in the well casing in July 1990 or on January 9, 1991. As indicated in our report dated January 17, 1991, we expect that the depth to ground water beneath the site is greater than 100 feet.

The vapor well excavation was completed at a depth of about 18 feet. Excavation deeper than 18 feet was not possible because of severe sloughing of the test pit sidewalls. Excavation was suspended after two active utilities crossing the site were undermined by sloughing from the excavation sidewalls. Approximately 180 cubic yards of soil were removed from the vapor well test pit excavation. The excavation was backfilled on January 10, 1990, with the soil that was removed from the excavation.

Three discrete soil samples (VW-1, VW-2 and VW-3) were obtained from the depths of 13, 16 and 18 feet in the excavation. Three composite samples (VWSP-1, VWSP-2 and VWSP-3) were obtained from the soil stockpile. The samples were collected on January 9 and 10, 1991. The soil samples were analyzed for fuel hydrocarbons and TPH. The results of analytical testing are summarized in Table 1.

Fuel hydrocarbons were not detected in any of the six samples. TPH was detected at concentrations less than MTCA cleanup levels in all of the samples, except VW-2. TPH was detected at a concentration of 280 mg/kg in VW-2. Examination of the chromatograms included with the fuel hydrocarbons analysis for the six samples obtained from the vapor well excavation and soil stockpile indicates that petroleum hydrocarbons are either not present or are present at very low concentrations in the soil removed from the vicinity of VP-1.

SOIL DISPOSAL AND BACKFILLING OF EXCAVATIONS

Approximately 110 cubic yards of soil were stockpiled at the site pending disposal at the Kitsap County Sanitary Landfill. The stockpile consisted of about 50 cubic yards of petroleum-contaminated soil from the waste oil tank excavation; about 50 cubic yards of lead-contaminated soil from the gasoline tank excavation; and about 10 cubic yards of gasoline-contaminated soil from the product line excavation.

One composite sample (WO-8 composite) was obtained from the stockpile of soil removed from the waste oil tank excavation. The sample was analyzed for fuel hydrocarbons, TPH and TCLP metals. The concentrations of fuel

hydrocarbons, TPH and TCLP metals either were nondetected or were less than MTCA cleanup guidelines in this sample (Table 1). The soil stockpile was not used as backfill, however, because the stockpile includes soil removed from the base of the excavation after TPH was detected at a concentration of 210 mg/kg in sample WO-1. A separate soil sample (sample 7a) obtained from the waste oil tank excavation during our 1989 study was tested for PCBs, purgeable halocarbons and flash point. PCBs and purgeable halocarbons were not detected in this sample. The flash point was greater than 200 degrees Fahrenheit.

One composite soil sample (GSP-8) was obtained from the stockpile of soil removed from the gasoline tank excavation after lead was detected at concentrations greater than MTCA cleanup levels in samples G-3 and G-4. Lead was detected at a concentration of 44.2 mg/kg in sample GSP-8. This soil stockpile will be transported to the landfill based on the lead concentrations detected in G-3 and G-4.

Approximately 10 cubic yards of soil were excavated from the service island excavation after fuel hydrocarbons (quantified as gasoline) were detected at a concentration of 110 mg/kg in sample PL-3. This soil also will be transported to the landfill.

We received permission for disposal of the soil at Kitsap County Landfill on March 5, 1991. The soil was transported to the landfill by CW Trucking & Excavating of Poulsbo, Washington, on March 19, 1991.

Composite samples obtained from the remaining gasoline tank and product line soil stockpiles (SP-1, SP-2, G-SP-A, G-SP-B, GSP-5, GSP-6, GSP-7 and PL-SP) were analyzed for one or more of the following: fuel hydrocarbons, BETX and lead. The concentrations of fuel hydrocarbons, BETX and lead either were nondetected or were less than MTCA cleanup guidelines in these samples (Tables 2 and 3). The soil stockpiles that these samples were collected from were used to backfill the excavations at the site based on the chemical analytical data. The waste oil tank and product line excavations were backfilled by Sleister on March 25, 1991. The gasoline storage tank excavation was not backfilled, as requested by Unocal on March 22, 1991.

CONCLUSIONS

The results of our observations and chemical testing indicate that petroleum-related contamination of regulatory significance is not present

in the vicinity of the underground storage tank and product line excavations at the site of Unocal Service Station 6227. Soil samples collected from the final limits of the excavations and from the stockpiles used to backfill the excavations did not contain petroleum-related contaminants at concentrations exceeding MTCA Method A cleanup levels.

As indicated in previous reports, the service station facilities are constructed on imported fill placed at the head of a ravine. It is possible that the concentrations of TPH detected in soil samples from the vapor well excavation and the sample obtained from a depth of 23 feet in the vapor well boring are the result of interferences caused by organic matter present in the imported fill. In our opinion, petroleum-related contamination of regulatory significance is not present in the location of the former vapor well at this site.

LIMITATIONS

We have prepared this report for use by Unocal. This report may be made available to regulatory agencies. This report is not intended for use by others and the information contained herein is not applicable to other sites.

Our interpretation of soil conditions during remediation is based on field observations and chemical analytical data. It is possible that areas with contamination may exist in portions of the site that were not excavated or analyzed. In addition, regulatory requirements may change and could be applied retroactively.

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GeoEngineers

Within the limitations of scope, schedule and budget, our services have been executed in accordance with generally accepted practices in this area at the time this report was prepared. No other conditions, express or implied, should be understood.

Respectfully submitted,

GeoEngineers, Inc.

Terry T. Fisk
Project Geologist

James A. Miller, P.E.
Principal

TTF:JAM:db

TABLE 1
SUMMARY OF SOIL ANALYTICAL DATA
WASTE OIL TANK AND VAPOR WELL EXCAVATIONS

Sample Number	Sampling Date	General Sample Location	Depth of Sample (feet)	Field Screening Results(1)		TPH(2) (mg/kg)	Fuel Hydrocarbons(3) (mg/kg)	
				Headspace Vapors (ppm)	Sheen Test		Gasoline	Diesel
WO-1(4)	12/13/90	North base, waste oil tank excavation	12.0	<100	NS	210	<5	<5
WO-2	12/13/90	North wall, waste oil tank excavation	7.0	<100	NS	21	<5	<5
WO-3	12/13/90	North wall, waste oil tank excavation	2.0	<100	SS	28	<5	<5
WO-4	12/13/90	West base, waste oil tank excavation	12.0	<100	NS	<5	<5	<5
WO-5	12/13/90	South base, waste oil tank excavation	12.0	<100	SS	8	<5	<5
WO-6	12/13/90	Central base, waste oil tank excavation	13.0	<100	NS	21	<5	<5
WO-7	12/13/90	East base, waste oil tank excavation	12.0	<100	NS	26	<5	<5
WO-8(5)	12/13/90	Composite from waste oil tank excavation	Composite	<100	SS	55	<5	<5
WO-8(5)	12/31/90	North base, waste oil tank excavation	12.5	<100	SS	47	<5	<5
VW-1(4)	01/09/91	Vapor well test pit	13.0	<100	SS	170	<5	<5
VW-2(4)	01/09/91	Vapor well test pit	16.0	<100	SS	280	<5	<5
VW-3	01/10/91	Vapor well test pit	18.0	<100	SS	33	<5	<5
VWSP-1	01/10/91	Composite from vapor well excavation	Composite	<100	SS	34	<5	<5
VWSP-2	01/10/91	Composite from vapor well excavation	Composite	<100	SS	12	<5	<5
VWSP-3	01/10/91	Composite from vapor well excavation	Composite	<100	SS	50	<5	<5

Notes:

(1) Refer to Appendix A for a description of field screening methods.

(2) TPH = total petroleum hydrocarbons. TPH analyzed by EPA Method 418.1.

(3) Analyzed by modified EPA Method 8015.

(4) Additional soil was removed during supplemental excavation.

(5) Also analyzed for TCLP metals. Barium was detected at a concentration less than 1 mg/l in each sample. Other metals were not detected.

NS = no sheen, SS = slight sheen

mg/kg = milligrams per kilogram

ppm = parts per million

TABLE 2
SUMMARY OF SOIL ANALYTICAL DATA
GASOLINE TANK EXCAVATION

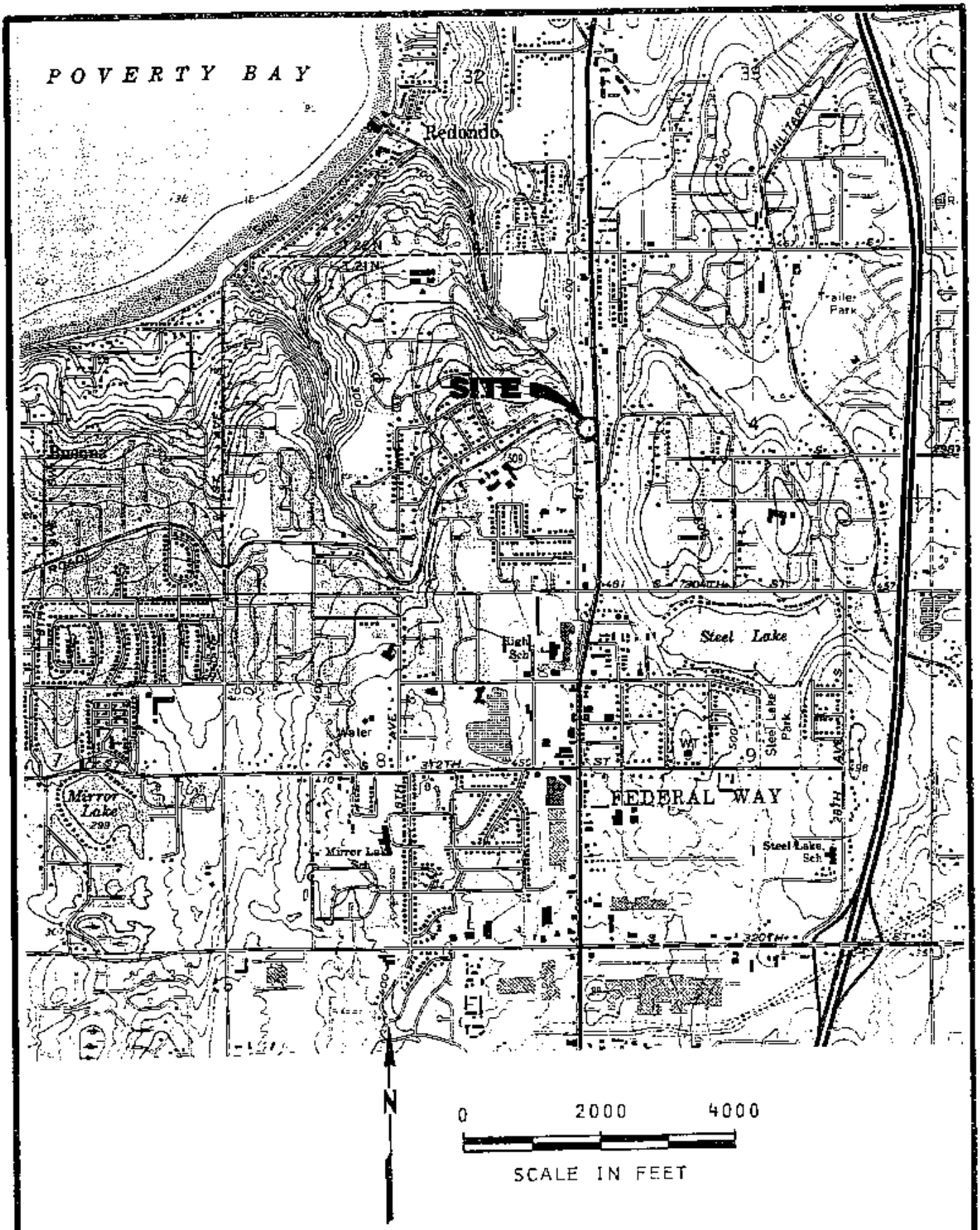
Sample Number	Sampling Date	General Sample Location	Depth of Sample (feet)	Field Screening Results(1)		BETX(2) (mg/kg)				Fuel Hydrocarbons(3) (mg/kg)		Lead(4) (mg/kg)
				Headspace Vapors (ppm)	Sheen Test	B	E	T	X	Gasoline	Diesel	
G-1	12/31/90	South base, gas tank excavation	13.0	<100	NS	<0.025	<0.025	<0.025	<0.025	<5	<5	<10
G-2	12/31/90	Southwest base, gas tank excavation	14.0	<100	NS	<0.025	<0.025	<0.025	<0.025	<5	<5	<10
G-3(5)	12/31/90	North base, gas tank excavation	14.0	<100	NS	<0.025	<0.025	<0.025	<0.025	<5	<5	770
G-4(5)	12/31/90	Northwest base, gas tank excavation	13.0	<100	NS	<0.025	<0.025	<0.025	<0.025	<5	<5	460
G-5	12/31/90	East base, gas tank excavation	13.0	<100	NS	<0.025	<0.025	<0.025	<0.025	<5	<5	<10
G-6	01/31/91	North base, gas tank excavation	17.0	<100	NS	—	—	—	—	—	—	14.8
G-7	01/31/91	Northwest base, gas tank excavation	17.0	<100	SS	—	—	—	—	—	—	23.4
G-8	01/31/91	Central base, gas tank excavation	17.0	<100	NS	<0.050	<0.050	<0.050	<0.050	<10	<10	11.0
SP-1	12/31/90	Composite from gas tank excavation	Composite	<100	SS	<0.025	<0.025	<0.025	<0.025	<5	<5	<10
SP-2	12/31/90	Composite from gas tank excavation	Composite	<100	SS	<0.025	<0.025	<0.025	<0.025	<5	<5	—
G-SP-A	01/09/91	Composite from gas tank excavation	Composite	<100	SS	<0.025	<0.025	<0.025	<0.025	<5	<5	—
G-SP-B	01/09/91	Composite from gas tank excavation	Composite	<100	SS	<0.025	<0.025	<0.025	<0.025	<5	<5	<10
GSP-5	01/30/91	Composite from gas tank excavation	Composite	<100	SS	—	—	—	—	—	—	<1.2
GSP-6	01/30/91	Composite from gas tank excavation	Composite	<100	SS	—	—	—	—	—	—	<1.2
GSP-7	01/30/91	Composite from gas tank excavation	Composite	<100	SS	—	—	—	—	—	—	2.8
GSP-8	01/31/91	Composite from gas tank excavation	Composite	<100	SS	—	—	—	—	—	—	44.2

Notes:
(1) Refer to Appendix A for a description of field screening methods.
(2) B = benzene, E = ethylbenzene, T = toluene, X = xylenes. BETX analyzed by EPA Method 8020.
(3) Analyzed by modified EPA Method 8015.
(4) Analyzed by EPA Method 7420.
(5) Additional soil was removed during supplemental excavation.
NS = no sheen, SS = slight sheen
mg/kg = milligrams per kilogram
ppm = parts per million
"—" = not tested

TABLE 3
SUMMARY OF SOIL ANALYTICAL DATA
PRODUCT LINE EXCAVATIONS

Sample Number	Sampling Date	General Sample Location	Depth of Sample (feet)	Field Screening Results(1)		BETX(2) (mg/kg)				Fuel Hydrocarbons(3) (mg/kg)		Lead(4) (mg/kg)
				Headspace Vapors (ppm)	Sheen Test	B	E	T	X	Gasoline	Diesel	
PL-1	12/31/90	South Island, product line excavation	3.0	<100	MS	<0.025	<0.025	<0.025	<0.025	<5	<5	--
PL-2	12/31/90	South Island, product line excavation	2.5	<100	SS	<0.025	<0.025	<0.025	<0.025	<5	<5	—
PL-3(5)	12/31/90	Northwest Island, product line excavation	3.0	<100	HS	<0.025	0.098	<0.025	1.6	110	<5	—
PL-4	12/31/90	Northeast Island, product line excavation	3.0	<100	SS	<0.025	<0.025	<0.025	<0.025	<5	<5	—
PL-5	12/31/90	Northwest Island, product line excavation	2.5	<100	SS	<0.025	<0.025	<0.025	<0.025	<5	<5	—
PL-6	01/09/91	Northwest Island, product line excavation	2.0	<100	NS	<0.025	<0.025	<0.025	<0.025	<5	<5	<10
PL-7	01/09/91	Northwest Island, product line excavation	2.0	<100	SS	<0.025	<0.025	<0.025	<0.025	<5	<5	—
PL-8	01/09/91	Northwest Island, product line excavation	1.5	<100	NS	<0.025	<0.025	<0.025	<0.025	<5	<5	—
PL-SP	01/09/91	Composite from product line excavation	Composite	<100	SS	<0.025	<0.025	<0.025	<0.025	<5	<5	—

Notes:
(1) Refer to Appendix A for a description of field screening methods.
(2) B = benzene, E = ethylbenzene, T = toluene, X = xylenes. BETX analyzed by EPA Method 8020.
(3) Analyzed by modified EPA Method 8015.
(4) Analyzed by EPA Method 7420.
(5) Additional soil was removed during supplemental excavation.
NS = no sheen; SS = slight sheen; MS = moderate sheen; HS = heavy sheen
mg/kg = milligrams per kilogram
ppm = parts per million
"—" = not tested



REFERENCE: USGS 7.5' TOPOGRAPHIC QUADRANGLE MAP "POVERTY BAY, WASH."

0161-041-804 TTF:KKT 3-6-91

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VICINITY MAP

FIGURE 1

PACIFIC HIGHWAY SOUTH

Planter

Planter

Planter

Service Islands

PL-4

PL-8

PL-5

PL-3

PL-6

PL-7

G-3

G-6

G-5

G-8

G-1

Underground Gasoline Storage Tanks (Removed)

G-4

G-7

G-2

Underground Waste Oil Tank (Removed)

Service Station Building

See Inset

Concrete Slab

PL-2

PL-1

Service Island

Concrete Slab

Planter

VW-1
VW-2
VW-3

Vapor Well (Removed)

Property Line

Planter

DASH POINT ROAD

Inset: Waste Oil Tank Excavation

WO-7
WO-2
WO-8
WO-1
WO-6
WO-5
WO-3
WO-4

0 20 40

SCALE IN FEET

EXPLANATION:

G-1 SOIL SAMPLE LOCATION AND NUMBER

LIMITS OF EXCAVATIONS COMPLETED IN DECEMBER 1990 AND JANUARY 1991

REFERENCE: DRAWING ENTITLED "GENERAL ARRANGEMENT, SERVICE STATION 6227, PACIFIC HWY. S. & DASH PT. ROAD, KING CO., WASHINGTON", DATED 3/24/69, BY UNOCAL.

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SITE PLAN

FIGURE 2

0161-041-804 JF:KKT 9-25-89

APPENDIX A

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APPENDIX A

FIELD EXPLORATIONS

DRILLING AND SOIL SAMPLING PROGRAM

Subsurface conditions at Service Station 6227 were explored by drilling one boring (VP-1) using truck-mounted, hollow-stem auger drilling equipment at the location indicated in Figure 2. The boring was drilled on July 25, 1990 to a depth of 33 feet using drilling equipment owned and operated by McDonald Holt, Inc. The drilling equipment was cleaned with a hot-water pressure washer prior to drilling the boring. The soil sampling equipment was cleaned with a trisodiumphosphate (TSP) solution and rinsed with distilled water prior to drilling.

A geologist from our staff determined the boring location, examined and classified the soils encountered, and prepared a detailed log of the boring. Soils encountered were classified visually in general accordance with ASTM D-2488-83, which is described in Figure A-1. An explanation of the boring log symbols is presented in Figure A-2. The boring log is given in Figure A-3.

Soil samples were obtained from the boring using a Dames & Moore split-barrel sampler (2.4-inch ID). The sampler was driven 18 inches by a 300-pound weight falling a vertical distance of approximately 30 inches. The number of blows needed to advance the sampler the final 12 inches or other specified intervals is indicated to the left of the corresponding sample notations on the boring logs.

One soil sample was selected from the boring for chemical analysis of benzene, ethylbenzene, toluene, and xylenes (BETX), and total petroleum hydrocarbons (TPH). The sample that was tested is denoted in the boring log with a "CA." Chain-of-custody procedures were followed in transporting the soil sample to the laboratory.

FIELD SCREENING OF SOIL SAMPLES

A GeoEngineers representative conducted field screening on soil samples obtained from the boring. Field screening results are used as a general guideline to delineate areas of potential petroleum-related contamination. In addition, screening results are used to aid in the selection of soil samples for chemical analysis. The screening methods employed included:

(1) visual examination, (2) sheen testing, and (3) headspace vapor testing using a Bacharach TLV Sniffer calibrated to hexane. The results of headspace and sheen screening are included on the boring log.

Visual screening consists of inspecting the soil for the presence of stains indicative of petroleum-related contamination. Visual screening is generally more effective when contamination is related to heavier petroleum hydrocarbons such as motor oil, or when hydrocarbon concentrations are high. Sheen screening and headspace vapor screening are more sensitive methods which have been effective in detecting contamination at concentrations less than regulatory cleanup guidelines.

Sheen testing involves placing soil in water and observing the water surface for signs of sheen. Sheens observed are classified as follows:

No Sheen (NS)	No visible sheen on the water surface.
Slight Sheen (SS)	Light colorless sheen, spread is irregular, not rapid; film dissipates rapidly.
Moderate Sheen (MS)	Light to heavy film, may have some color or iridescence; spread is irregular to flowing, may be rapid; few remaining areas of no sheen on water surface.
Heavy Sheen (HS)	Heavy colorful film with iridescence; spread is rapid, and sheen flows off the sample; entire water surface may be covered with sheen.

Headspace vapor screening involves placing a soil sample in a plastic sample bag. Air is captured in the bag and the bag is shaken to expose the soil to the air trapped in the bag. The probe of a Bacharach TLV Sniffer is inserted in the bag and the TLV Sniffer records the concentrations of combustible vapor in the air removed from the sample headspace. The TLV Sniffer records concentrations in parts per million (ppm) and is calibrated to hexane. The TLV Sniffer is designed to quantify combustible gas concentrations in the range between 100 and 10,000 ppm.

Field screening results are site and boring specific. The results vary with temperature, soil type, soil moisture content and type of contaminant.

VAPOR PROBE CONSTRUCTION

Two-inch-diameter, Schedule 40 PVC pipe was installed in Boring VP-1 at the completion of drilling. The lower portion of the PVC pipe is machine slotted (0.02-inch slot width) to allow entry of hydrocarbon vapors and water (if present) into the well casing. Medium sand was placed in the borehole annulus surrounding the slotted portion of the PVC pipe. Vapor probe construction is indicated in Figure A-3.

CHEMICAL ANALYTICAL PROGRAM

One soil sample was analyzed by Analytical Technologies, Inc. The soil sample was analyzed for total petroleum hydrocarbons using freon extraction/infrared spectroscopy detection in accordance with EPA Method 418.1. Gas chromatography detection was used to quantify benzene, ethylbenzene, toluene and xylenes in accordance with EPA Method 8020.

The analytical data are presented in Appendix B.

SOIL CLASSIFICATION SYSTEM

MAJOR DIVISIONS			GROUP SYMBOL	GROUP NAME
COARSE GRAINED SOILS MORE THAN 50% RETAINED ON NO. 200 SIEVE	GRAVEL MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	CLEAN GRAVEL	GW	WELL-GRADED GRAVEL, FINE TO COARSE GRAVEL
			GP	POORLY-GRADED GRAVEL
		GRAVEL WITH FINES	GM	SILTY GRAVEL
			GC	CLAYEY GRAVEL
	SAND MORE THAN 50% OF COARSE FRACTION PASSES NO. 4 SIEVE	CLEAN SAND	SW	WELL-GRADED SAND, FINE TO COARSE SAND
			SP	POORLY-GRADED SAND
		SAND WITH FINES	SM	SILTY SAND
			SC	CLAYEY SAND
FINE GRAINED SOILS MORE THAN 50% PASSES NO. 200 SIEVE	SILT AND CLAY LIQUID LIMIT LESS THAN 50	INORGANIC	ML	SILT
			CL	CLAY
		ORGANIC	OL	ORGANIC SILT, ORGANIC CLAY
	SILT AND CLAY LIQUID LIMIT 50 OR MORE	INORGANIC	MH	SILT OF HIGH PLASTICITY, ELASTIC SILT
			CH	CLAY OF HIGH PLASTICITY, FAT CLAY
		ORGANIC	OH	ORGANIC CLAY, ORGANIC SILT
HIGHLY ORGANIC SOILS			PT	PEAT

NOTES:

1. Field classification is based on visual examination of soil in general accordance with ASTM D2488-83.
2. Soil classification using laboratory tests is based on ASTM D2487-83.
3. Descriptions of soil density or consistency are based on interpretation of blowcount data, visual appearance of soils, and/or test data.

SOIL MOISTURE MODIFIERS:

Dry - Absence of moisture, dusty, dry to the touch

Moist - Damp, but no visible water

Wet - Visible free water or saturated, usually soil is obtained from below water table

0161-041-804

GEI 85-88

Geo Engineers

SOIL CLASSIFICATION SYSTEM

FIGURE A-1

LABORATORY TESTS:

CA Chemical Analysis

FIELD SCREENING TESTS:

Headspace vapor concentration data given in parts per million

Sheen classification system:

NS No Visible Sheen
SS Slight Sheen
MS Moderate Sheen
HS Heavy Sheen
NT Not Tested

SOIL GRAPH:

SM Soil Group Symbol (See Note 2)

Distinct Contact Between Soil Strata

Gradual or Approximate Location of Change Between Soil Strata

Water Level

Bottom of Boring

BLOW-COUNT/SAMPLE DATA:

Blows required to drive a 2.4-inch I.D. split-barrel sampler 12 inches or other indicated distances using a 300-pound hammer falling 30 inches.

22 ■ Location of relatively undisturbed sample

12 ⊠ Location of disturbed sample

17 □ Location of sampling attempt with no recovery

Blows required to drive a 1.5-inch I.D. (SPT) split-barrel sampler 12 inches or other indicated distances using 140-pound hammer falling 30 inches.

10 ▮ Location of sample obtained in general accordance with Standard Penetration Test (ASTM D-1586) procedures

26 ▯ Location of SPT sampling attempt with no recovery

Location of grab sample

"P" indicates sampler pushed with weight of hammer or against weight of drill rig.

NOTES:

1. The reader must refer to the discussion in the report text, the Key to Boring Log Symbols and the exploration logs for a proper understanding of subsurface conditions.

2. Soil classification system is summarized in Figure A-1.

0161-041-804

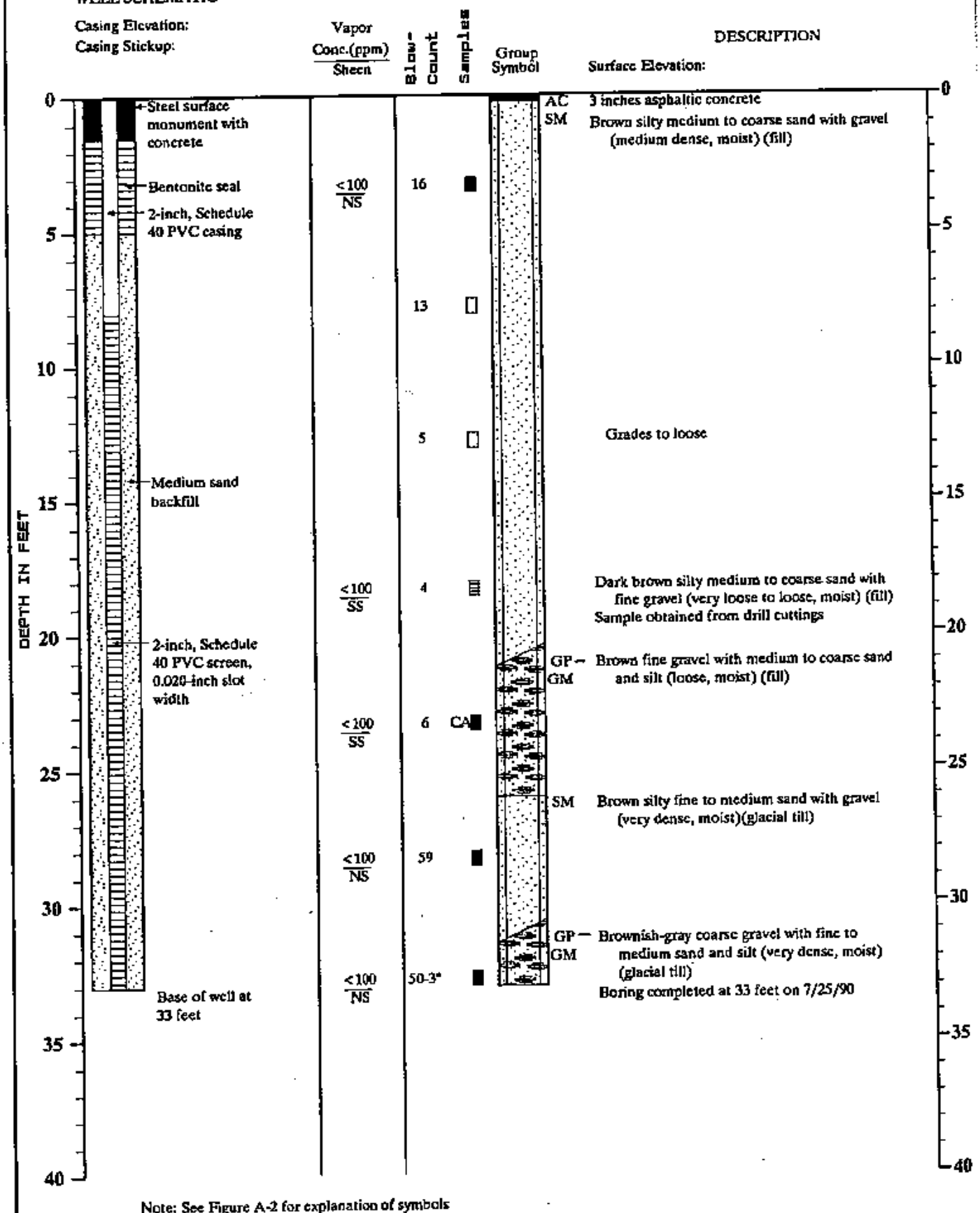
GEI 86-88 Rev. 6/90

Geo Engineers

KEY TO BORING LOG SYMBOLS

FIGURE A-2

VAPOR PROBE NO. VP-1



Note: See Figure A-2 for explanation of symbols

Geo Engineers

Log of Vapor Probe

Figure A-3

:SAK:TTF:KKT 9/20/90

8181-041-B04

Analytical Technologies, Inc. 560 Noches Avenue, S.W., Suite 101, Renton, WA 98055, (206) 228-8335

ATI I.D. # 9012-122

GeoEngineers

DEC 27 1990

Routing JF

File

December 26, 1990

GeoEngineers, Inc.
2405 140th Avenue N.E.
Suite 105
Bellevue, WA 98005

Attention : Julia Fowler

Project Number : 0161-041-B04

Project Name : Unocal - Federal Way

On December 13, 1990, Analytical Technologies, Inc., received eight soil samples for analysis. The samples were analyzed with EPA methodology or equivalent methods as specified in the attached analytical schedule. The results, sample cross reference, and quality control data are enclosed.

Mary C. Silva
Senior Project Manager

FWG/elf

Frederick W. Grothkopp
Technical Manager

SAMPLE CROSS REFERENCE SHEET

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL - FEDERAL WAY

ATI #	CLIENT DESCRIPTION	DATE SAMPLED	MATRIX
9012-122-1	WO-1 (N BASE)	12/13/90	SOIL
9012-122-2	WO-2 (N WALL)	12/13/90	SOIL
9012-122-3	WO-3 (N WALL)	12/13/90	SOIL
9012-122-4	WO-4 (W BASE)	12/13/90	SOIL
9012-122-5	WO-5 (S BASE)	12/13/90	SOIL
9012-122-6	WO-6 (CENTER BASE)	12/13/90	SOIL
9012-122-7	WO-7 (E BASE)	12/13/90	SOIL
9012-122-8	WO-8 (COMPOSITE)	12/13/90	SOIL

----- TOTALS -----

MATRIX	# SAMPLES
SOIL	8

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

ANALYTICAL SCHEDULE

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL - FEDERAL WAY

ANALYSIS	TECHNIQUE	REFERENCE	LAB
FUEL HYDROCARBONS	GC/FID	EPA 8015 MODIFIED	R
PETROLEUM HYDROCARBONS	IR	EPA 418.1	R

R = ATI - Renton
SD = ATI - San Diego
T = ATI - Tempe
PNR = ATI - Pensacola
FC = ATI - Fort Collins
SUB = Subcontract

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: N/A
PROJECT #	: 0161-041-B04	DATE RECEIVED	: N/A
PROJECT NAME	: UNOCAL - FEDERAL WAY	DATE EXTRACTED	: 12/13/90
CLIENT I.D.	: REAGENT BLANK	DATE ANALYZED	: 12/13/90
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/13/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 12/13/90
PROJECT NAME	: UNOCAL - FEDERAL WAY	DATE EXTRACTED	: 12/13/90
CLIENT I.D.	: WO-1 (N BASE)	DATE ANALYZED	: 12/13/90
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/13/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 12/13/90
PROJECT NAME	: UNOCAL - FEDERAL WAY	DATE EXTRACTED	: 12/13/90
CLIENT I.D.	: WO-2 (N WALL)	DATE ANALYZED	: 12/14/90
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/13/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 12/13/90
PROJECT NAME	: UNOCAL - FEDERAL WAY	DATE EXTRACTED	: 12/13/90
CLIENT I.D.	: WO-3 (N WALL)	DATE ANALYZED	: 12/14/90
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/13/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 12/13/90
PROJECT NAME	: UNOCAL - FEDERAL WAY	DATE EXTRACTED	: 12/13/90
CLIENT I.D.	: WO-4 (W BASE)	DATE ANALYZED	: 12/13/90
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/13/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 12/13/90
PROJECT NAME	: UNOCAL - FEDERAL WAY	DATE EXTRACTED	: 12/13/90
CLIENT I.D.	: WO-5 (S BASE)	DATE ANALYZED	: 12/14/90
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/13/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 12/13/90
PROJECT NAME	: UNOCAL - FEDERAL WAY	DATE EXTRACTED	: 12/13/90
CLIENT I.D.	: WO-6 (CENTER BASE)	DATE ANALYZED	: 12/14/90
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/13/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 12/13/90
PROJECT NAME	: UNOCAL - FEDERAL WAY	DATE EXTRACTED	: 12/13/90
CLIENT I.D.	: WO-7 (E BASE)	DATE ANALYZED	: 12/14/90
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/13/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 12/13/90
PROJECT NAME	: UNOCAL - FEDERAL WAY	DATE EXTRACTED	: 12/13/90
CLIENT I.D.	: WO-8 (COMPOSITE)	DATE ANALYZED	: 12/14/90
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS
QUALITY CONTROL DATA

CLIENT	: GEOENGINEERS, INC.	SAMPLE I.D.	: 9012-122-4
PROJECT #	: 0161-041-B04	DATE EXTRACTED	: 12/13/90
PROJECT NAME	: UNOCAL - FEDERAL WAY	DATE ANALYZED	: 12/13/90
EPA METHOD	: 8015 MODIFIED	MATRIX	: SOIL
		UNITS	: mg/Kg

COMPOUND	SAMPLE RESULT	CONC SPIKED	SPIKED SAMPLE	% REC	DUP SPIKED SAMPLE	DUP % RECOVERY	RPD
FUEL HYDROCARBONS	<5	500	502	100	474	95	6

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GENERAL CHEMISTRY RESULTS

CLIENT : GEOENGINEERS, INC. MATRIX : SOIL
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL - FEDERAL WAY UNITS : mg/Kg

ATI I.D.#	CLIENT I.D.	PETROLEUM HYDROCARBONS
9012-122-1	WO-1 (N BASE)	210
9012-122-2	WO-2 (N WALL)	21
9012-122-3	WO-3 (N WALL)	28
9012-122-4	WO-4 (W BASE)	<5
9012-122-5	WO-5 (S BASE)	8
9012-122-6	WO-6 (CENTER BASE)	21
9012-122-7	WO-7 (E BASE)	26
9012-122-8	WO-8 (COMPOSITE)	55

GENERAL CHEMISTRY QUALITY CONTROL

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL - FEDERAL WAY

MATRIX : SOIL

UNITS : mg/Kg

PARAMETER	ATI I.D.	SAMPLE RESULT	DUP RESULT	RPD	SPIKED RESULT	SPIKE ADDED	% REC
PETROLEUM HYDROCARBONS	9012-122-8	55	61	9	301	250	98

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

Analytical Technologies, Inc.
560 Naches Avenue SW, Suite 101 Renton, WA 98055 (206)228-8335

DATE 12-13-90 PAGE 1 OF 1

Chain of Custody

LABORATORY NUMBER: 9012-122

PROJECT MANAGER: Julia Fowler
COMPANY: GeoEngineers, Inc.
ADDRESS: 2405 140th Ave. NE, #105
Bellevue, WA 98005
PHONE: 746-5200 SAMPLED BY: Robert Miyahira

SAMPLE DISPOSAL INSTRUCTIONS
☒ ATI Disposal @ $5.00 each ☐ Return

	SAMPLE ID	DATE	TIME	MATRIX	LAB ID
12'	WO-1 (N base)	12-13-90	1305	Soil	1
7'	WO-2 (N wall)		1310		2
2'	WO-3 (N wall)		1310		3
12'	WO-4 (W base)		1315		4
12'	WO-5 (S base)		1315		5
13'	WO-6 (center base)		1320		6
12'	WO-7 (E base)		1320		7
	WO-8 (composite)	↓	1330	↓	8

ANALYSIS REQUEST

SAMPLE ID	8010 Halogenated Volatiles	8020 Aromatic Volatiles	BETX ONLY	8240 GC/MS Volatiles	8270 GC/MS BNA	8310 HPLC PNA	8080 Pesticides & PCB's	PCB's ONLY	8140 Phosphate Pesticides	8150 Herbicides	WDOE PAH/HH (WAC 173)	418.1 (TPH)	413.2 Grease & Oil	8015 (Modified)	TOC 9060	TOX 9020	% Moisture	EP TOX Metals (8) EP EXT	Priority Pollutant Metals (13)	TCLP ONLY: 8080 Pesticide (4)	8240 ZH-EXT	8270	8150 Herbicides (2)	Metals (8)			NUMBER OF CONTAINERS
WO-1 (N base)												X		X													1
WO-2 (N wall)												X		X													1
WO-3 (N wall)												X		X													1
WO-4 (W base)												X		X													1
WO-5 (S base)												X		X													1
WO-6 (center base)												X		X													1
WO-7 (E base)												X		X													1
WO-8 (composite)												X		X													1

PROJECT INFORMATION
PROJECT NUMBER: 0161-041-B04
PROJECT NAME: Unocal - Federal Way
PURCHASE ORDER NUMBER:
ONGOING PROJECT? YES ☐ NO ☐

SAMPLE RECEIPT
TOTAL NUMBER OF CONTAINERS: 8
COC SEALS/INTACT? Y/N/NA: N/A
RECEIVED GOOD COND./COLD: Y
RECEIVED VIA: Hand del

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS
TAT: (NORMAL) ☐ 2WKS (RUSH) ☒ 24HR ☐ 48 HRS ☐ 72 HRS ☐ 1 WK
GREATER THAN 24 HR. NOTICE? YES ☐ NO ☐ (LAB USE ONLY)

SPECIAL INSTRUCTIONS: contact Julia Fowler w/results

For Unocal Service Station #6277

RELINQUISHED BY: 1	RELINQUISHED BY: 2	RELINQUISHED BY: 3
Signature: Blent Miyahira Time: 1430	Signature: Time:	Signature: Time:
Printed Name: Robert Miyahira Date: 12-13-90	Printed Name: Date:	Printed Name: Date:
Company: GeoEngineers, Inc.	Company:	Company:
RECEIVED BY: 1	**RECEIVED BY: 2**	**RECEIVED BY: (LAB) 3**
Signature: T. Landreth Time: 14:30	Signature: Time:	Signature: Time:
Printed Name: T. Landreth Date: 12/13/90	Printed Name: Date:	Printed Name: Date:
Company: ATI	Company:	Analytical Technologies, Inc.

ATI Labs: San Diego (619)458-9141 • Phoenix (602)438-1530 • Seattle (206)228-8335 • Pensacola (904)474-1001 DISTRIBUTION: White, Canary - ATI • Pink - ORIGINATOR

B - 16

No 2202

Analytical Technologies, Inc. 560 Naches Avenue, S.W., Suite 101, Renton, WA 98055, (206) 228-8335

ATI I.D. # 9101-003

GeoEngineers

JAN 11 1991

Routing
File

January 10, 1991

GeoEngineers, Inc.
2405 140th Avenue N.E.
Suite 105
Bellevue, WA 98005

Attention : Terry Fisk

Project Number : 0161-041-B04

Project Name : Unocal-Federal Way

On January 2, 1991, Analytical Technologies, Inc., received 13 soil samples for analysis. The samples were analyzed with EPA methodology or equivalent methods as specified in the attached analytical schedule. The results, sample cross reference, and quality control data are enclosed.

Bob A. Olsiewski
Project Manager

Frederick W. Grothkopp
Technical Manager

FWG/tc

SAMPLE CROSS REFERENCE SHEET

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL-FEDERAL WAY

ATI #	CLIENT DESCRIPTION	DATE SAMPLED	MATRIX
9101-003-1	SP-1 (GAS STOCKPILE-WEST)	12/31/90	SOIL
9101-003-2	SP-2 (GAS STOCKPILE-EAST)	12/31/90	SOIL
9101-003-3	PL-1 (SOUTH ISLAND-WEST)	12/31/90	SOIL
9101-003-4	PL-2 (SOUTH ISLAND-EAST)	12/31/90	SOIL
9101-003-5	PL-3 (NW ISLAND-NORTH)	12/31/90	SOIL
9101-003-6	PL-4 (NE ISLAND-SOUTH)	12/31/90	SOIL
9101-003-7	PL-5 (NW ISLAND-SOUTH)	12/31/90	SOIL
9101-003-8	G-1 (SOUTH BASE)	12/31/90	SOIL
9101-003-9	G-2 (SW BASE)	12/31/90	SOIL
9101-003-10	G-3 (NORTH BASE)	12/31/90	SOIL
9101-003-11	G-4 (NW BASE)	12/31/90	SOIL
9101-003-12	G-5 (EAST BASE)	12/31/90	SOIL
9101-003-13	WO-8 (NORTH BASE)	12/31/90	SOIL

----- TOTALS -----

MATRIX	# SAMPLES
SOIL	13

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

ANALYTICAL SCHEDULE

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL-FEDERAL WAY

ANALYSIS	TECHNIQUE	REFERENCE	LAB
BETX	GC/PID	EPA 8020	R
FUEL HYDROCARBONS	GC/FID	EPA 8015 MODIFIED	R
PETROLEUM HYDROCARBONS	IR	EPA 418.1	R
MOISTURE	GRAVIMETRIC	METHOD 7-2.2	R

R = ATI - Renton
SD = ATI - San Diego
T = ATI - Tempe
PNR = ATI - Pensacola
FC = ATI - Fort Collins
SUB = Subcontract

PURGEABLE AROMATICS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: N/A
PROJECT #	: 0161-041-B04	DATE RECEIVED	: N/A
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: REAGENT BLANK	DATE ANALYZED	: 01/02/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8020 (BETX)	DILUTION FACTOR	: 1

RESULTS BASED ON DRY WEIGHT

COMPOUND	RESULT
BENZENE	<0.025
ETHYLBENZENE	<0.025
TOLUENE	<0.025
TOTAL XYLENES	<0.025

SURROGATE PERCENT RECOVERY

BROMOFLUOROBENZENE	95

PURGEABLE AROMATICS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/31/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: SP-1 (GAS STOCKPILE-WEST)	DATE ANALYZED	: 01/02/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8020 (BETX)	DILUTION FACTOR	: 1

RESULTS BASED ON DRY WEIGHT

COMPOUND	RESULT
BENZENE	<0.025
ETHYLBENZENE	<0.025
TOLUENE	<0.025
TOTAL XYLENES	<0.025

SURROGATE PERCENT RECOVERY

BROMOFLUOROBENZENE	90

PURGEABLE AROMATICS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/31/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: SP-2 (GAS STOCKPILE-EAST)	DATE ANALYZED	: 01/02/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8020 (BETX)	DILUTION FACTOR	: 1

RESULTS BASED ON DRY WEIGHT

COMPOUND	RESULT
BENZENE	<0.025
ETHYLBENZENE	<0.025
TOLUENE	<0.025
TOTAL XYLENES	<0.025

SURROGATE PERCENT RECOVERY

BROMOFLUOROBENZENE	86

PURGEABLE AROMATICS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/31/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: PL-1 (SOUTH ISLAND-WEST)	DATE ANALYZED	: 01/02/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8020 (BETX)	DILUTION FACTOR	: 1

RESULTS BASED ON DRY WEIGHT

COMPOUND	RESULT
BENZENE	<0.025
ETHYLBENZENE	<0.025
TOLUENE	<0.025
TOTAL XYLENES	<0.025

SURROGATE PERCENT RECOVERY

BROMOFLUOROBENZENE	86

PURGEABLE AROMATICS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/31/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: PL-2 (SOUTH ISLAND-EAST)	DATE ANALYZED	: 01/02/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8020 (BETX)	DILUTION FACTOR	: 1

RESULTS BASED ON DRY WEIGHT

COMPOUND	RESULT
BENZENE	<0.025
ETHYLBENZENE	<0.025
TOLUENE	<0.025
TOTAL XYLENES	<0.025

SURROGATE PERCENT RECOVERY

BROMOFLUOROBENZENE	85

PURGEABLE AROMATICS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/31/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: PL-3 (NW ISLAND-NORTH)	DATE ANALYZED	: 01/02/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8020 (BETX)	DILUTION FACTOR	: 1

RESULTS BASED ON DRY WEIGHT

COMPOUND	RESULT
BENZENE	<0.025
ETHYLBENZENE	0.096
TOLUENE	<0.025
TOTAL XYLENES	1.6

SURROGATE PERCENT RECOVERY

BROMOFLUOROBENZENE	94

PURGEABLE AROMATICS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/31/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: PL-4 (NE ISLAND-SOUTH)	DATE ANALYZED	: 01/02/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8020 (BETX)	DILUTION FACTOR	: 1

RESULTS BASED ON DRY WEIGHT

COMPOUND	RESULT
BENZENE	<0.025
ETHYLBENZENE	<0.025
TOLUENE	<0.025
TOTAL XYLENES	<0.025

SURROGATE PERCENT RECOVERY

BROMOFLUOROBENZENE	85

PURGEABLE AROMATICS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/31/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: PL-5 (NW ISLAND-SOUTH)	DATE ANALYZED	: 01/02/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8020 (BETX)	DILUTION FACTOR	: 1

RESULTS BASED ON DRY WEIGHT

COMPOUND	RESULT
BENZENE	<0.025
ETHYLBENZENE	<0.025
TOLUENE	<0.025
TOTAL XYLENES	<0.025

SURROGATE PERCENT RECOVERY

BROMOFLUOROBENZENE	78

PURGEABLE AROMATICS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/31/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: G-1 (SOUTH BASE)	DATE ANALYZED	: 01/02/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8020 (BETX)	DILUTION FACTOR	: 1

RESULTS BASED ON DRY WEIGHT

COMPOUND	RESULT
BENZENE	<0.025
ETHYLBENZENE	<0.025
TOLUENE	<0.025
TOTAL XYLENES	<0.025

SURROGATE PERCENT RECOVERY

BROMOFLUOROBENZENE	80

PURGEABLE AROMATICS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/31/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: G-2 (SW BASE)	DATE ANALYZED	: 01/02/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8020 (BETX)	DILUTION FACTOR	: 1

RESULTS BASED ON DRY WEIGHT

COMPOUND	RESULT
BENZENE	<0.025
ETHYLBENZENE	<0.025
TOLUENE	<0.025
TOTAL XYLENES	<0.025

SURROGATE PERCENT RECOVERY

BROMOFLUOROBENZENE	85

PURGEABLE AROMATICS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/31/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: G-3 (NORTH BASE)	DATE ANALYZED	: 01/02/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8020 (BETX)	DILUTION FACTOR	: 1

RESULTS BASED ON DRY WEIGHT

COMPOUND	RESULT
BENZENE	<0.025
ETHYLBENZENE	<0.025
TOLUENE	<0.025
TOTAL XYLENES	<0.025

SURROGATE PERCENT RECOVERY

BROMOFLUOROBENZENE	75

PURGEABLE AROMATICS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/31/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: G-4 (NW BASE)	DATE ANALYZED	: 01/02/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8020 (BETX)	DILUTION FACTOR	: 1

RESULTS BASED ON DRY WEIGHT

COMPOUND	RESULT
BENZENE	<0.025
ETHYLBENZENE	<0.025
TOLUENE	<0.025
TOTAL XYLENES	<0.025

SURROGATE PERCENT RECOVERY	
BROMOFLUOROBENZENE	78

PURGEABLE AROMATICS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/31/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: G-5 (EAST BASE)	DATE ANALYZED	: 01/03/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8020 (BETX)	DILUTION FACTOR	: 1

RESULTS BASED ON DRY WEIGHT

COMPOUND	RESULT
BENZENE	<0.025
ETHYLBENZENE	<0.025
TOLUENE	<0.025
TOTAL XYLENES	<0.025

SURROGATE PERCENT RECOVERY	
BROMOFLUOROBENZENE	79

PURGEABLE AROMATICS
QUALITY CONTROL DATA

CLIENT	: GEOENGINEERS, INC.	SAMPLE I.D.	: 9101-003-1
PROJECT #	: 0161-041-B04	DATE EXTRACTED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE ANALYZED	: 01/02/91
EPA METHOD	: 8020 (BETX)	MATRIX	: SOIL
		UNITS	: mg/Kg

COMPOUND	SAMPLE RESULT	SPIKE ADDED	SPIKED SAMPLE	% REC	DUP SPIKED SAMPLE	DUP % REC	RPD
BENZENE	<0.025	1.0	0.803	80	0.798	80	1
TOLUENE	<0.025	1.0	0.823	82	0.744	74	10
TOTAL XYLENES	<0.025	2.0	1.67	84	1.53	77	9

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: N/A
PROJECT #	: 0161-041-B04	DATE RECEIVED	: N/A
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: REAGENT BLANK	DATE ANALYZED	: 01/02/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/31/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: SP-1 (GAS STOCKPILE-WEST)	DATE ANALYZED	: 01/02/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/31/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: SP-2 (GAS STOCKPILE-EAST)	DATE ANALYZED	: 01/02/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/31/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: PL-1 (SOUTH ISLAND-WEST)	DATE ANALYZED	: 01/02/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/31/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: PL-2 (SOUTH ISLAND-EAST)	DATE ANALYZED	: 01/02/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/31/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: PL-3 (NW ISLAND-NORTH)	DATE ANALYZED	: 01/02/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	110
HYDROCARBON RANGE	C8 - C12
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/31/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: PL-4 (NE ISLAND-SOUTH)	DATE ANALYZED	: 01/02/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/31/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: PL-5 (NW ISLAND-SOUTH)	DATE ANALYZED	: 01/03/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/31/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: G-1 (SOUTH BASE)	DATE ANALYZED	: 01/03/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/31/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: G-2 (SW BASE)	DATE ANALYZED	: 01/03/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/31/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: G-3 (NORTH BASE)	DATE ANALYZED	: 01/03/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/31/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: G-4 (NW BASE)	DATE ANALYZED	: 01/03/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/31/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: G-5 (EAST BASE)	DATE ANALYZED	: 01/03/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/31/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: WO-8 (NORTH BASE)	DATE ANALYZED	: 01/03/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS
QUALITY CONTROL DATA

CLIENT	: GEOENGINEERS, INC.	SAMPLE I.D.	: 9101-003-4
PROJECT #	: 0161-041-B04	DATE EXTRACTED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE ANALYZED	: 01/02/91
EPA METHOD	: 8015 MODIFIED	MATRIX	: SOIL
		UNITS	: mg/Kg

COMPOUND	SAMPLE RESULT	CONC SPIKED	SPIKED SAMPLE	% REC	DUP SPIKED SAMPLE	DUP % RECOVERY	RPD
FUEL HYDROCARBONS	<5	500	421	84	420	84	0

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GENERAL CHEMISTRY RESULTS

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL-FEDERAL WAY

SAMPLE MATRIX : SOIL
UNITS : mg/Kg

ATI I.D. #	CLIENT I.D.	PETROLEUM HYDROCARBONS
9101-003-13	WO-8 (NORTH BASE)	47
REAGENT BLANK	-	<5

GENERAL CHEMISTRY RESULTS

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL-FEDERAL WAY

SAMPLE MATRIX : SOIL
UNITS : %

ATI I.D. #	CLIENT I.D.	MOISTURE
9101-003-1	SP-1 (GAS STOCKPILE-WEST)	11
9101-003-2	SP-2 (GAS STOCKPILE-EAST)	9.2
9101-003-3	PL-1 (SOUTH ISLAND-WEST)	11
9101-003-4	PL-2 (SOUTH ISLAND-EAST)	10
9101-003-5	PL-3 (NW ISLAND-NORTH)	12
9101-003-6	PL-4 (NE ISLAND-SOUTH)	12
9101-003-7	PL-5 (NW ISLAND-SOUTH)	15
9101-003-8	G-1 (SOUTH BASE)	21
9101-003-9	G-2 (SW BASE)	16
9101-003-10	G-3 (NORTH BASE)	21
9101-003-11	G-4 (NW BASE)	14
9101-003-12	G-5 (EAST BASE)	11

GENERAL CHEMISTRY QUALITY CONTROL

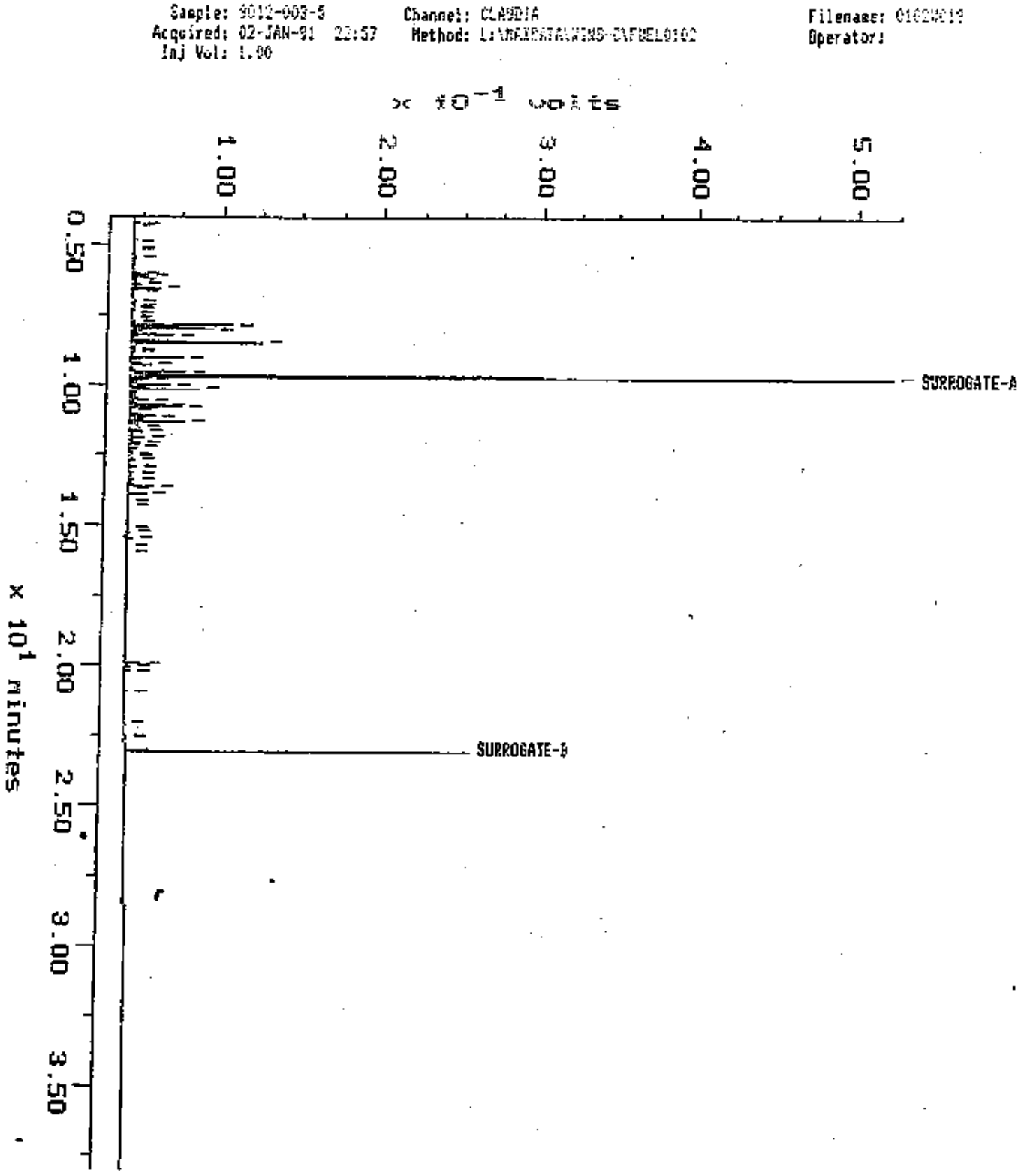
CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL-FEDERAL WAY

SAMPLE MATRIX : SOIL

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP RESULT	RPD	SPIKED RESULT	SPIKE ADDED	% REC
PETROLEUM HYDROCARBONS	mg/Kg	9101-003-13	47	43	9	306	252	103
MOISTURE	%	9101-003-6	12	11	9	N/A	N/A	N/A
MOISTURE	%	9101-003-12	11	11	0	N/A	N/A	N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$


Sample: 9012-003-5
Acquired: 02-JAN-91 22:57
Inj Vol: 1.00
Channel: CLP9D1A
Method: L:\MAIN\DATA\WINS-DATA\EL0102
Filename: 0102W019
Operator:
x 10⁻¹ volts
1.00
2.00
3.00
4.00
5.00
0.50
1.00
1.50
2.00
2.50
3.00
3.50
x 10¹ minutes
SURROGATE-A
SURROGATE-B

Analytical Technologies, Inc.
560 Naches Avenue SW, Suite 101 Renton, WA 98055 (206)228-8335

DATE 12-4-90 PAGE 1 OF 1

Chain of Custody LABORATORY NUMBER: 9101-003

PROJECT MANAGER: Terry Fisk
COMPANY: GeoEngineers, Inc.
ADDRESS: 2405 140th Ave. NE # 105
Bellevue, WA 98005
PHONE: 746-5200 SAMPLED BY: Robert N. Miyahira

SAMPLE DISPOSAL INSTRUCTIONS
☒ ATI Disposal @ $5.00 each ☐ Return

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	8010 Halogenated Volatiles	8020 Aromatic Volatiles	BETX ONLY	8240 GC/MS Volatiles	8270 GC/MS BNA	8310 HPLC PNA	8080 Pesticides & PCB's	PCB's ONLY	6140 Phosphate Pesticides	8150 Herbicides	WDOE PAH/HH (WAC 173)	418.1 (TPH)	413.2 Grease & Oil	8015 (Modified)	TOC 9060	TOX 9020	% Moisture	EP TOX Metals (8) EP EXT	Priority Pollutant Metals (13)	TCLP ONLY: 8080 Pesticide (4)	8240 ZH-EXT	8270	8150 Herbicides (2)	Metals (8)			NUMBER OF CONTAINERS
SP-1 (gas stockpile-west)	12-3-90	1105	soil	-1			X											X													1
SP-2 (gas stockpile-east)		1110		-2			X											X													1
PL-1 (south island-west)		1355		-3			X											X													1
PL-2 (south island-east)		1400		-4			X											X													1
PL-3 (NW island-north)		1435		-5			X											X													1
PL-4 (NE island-south)		1445		-6			X											X													1
PL-5 (NW island-south)		1505		-7			X											X													1
G-1 (south base)		1420		-8			X											X													1
G-2 (SW base)		1430		-9			X											X													1
G-3 (north base)		1450		-10			X											X													1
G-4 (NW base)		1500		-11			X											X													1
G-5 (east base)	↓	1520	↓	-12			X											X													1

sik
sik
½'
3'
3'
2½'
13'
14'
14'
13'
13'

PROJECT INFORMATION
PROJECT NUMBER: 0161-041-B04
PROJECT NAME: Unocal-Federal Way
PURCHASE ORDER NUMBER:
ONGOING PROJECT? YES ☒ NO ☐

SAMPLE RECEIPT
TOTAL NUMBER OF CONTAINERS: 13
COC SEALS/INTACT? Y/N/NA: Y
RECEIVED GOOD COND./COLD: Y
RECEIVED VIA: Courier

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS
TAT: (NORMAL) ☐ 2WKS (RUSH) ☒ 24HR ☐ 48 HRS ☐ 72 HRS ☐ 1 WK
GREATER THAN 24 HR. NOTICE? YES ☐ NO ☐ (LAB USE ONLY)

SPECIAL INSTRUCTIONS: Contact Terry Fisk with results

For Unocal Service Station #6227

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Time: 1730	Signature: Time:	Signature: Time:
Printed Name: Robert Miyahira Date: 12-4-90	Printed Name: Date:	Printed Name: Date:
Company: GeoEngineers, Inc.	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: Time: 10:45	Signature: Time:	Signature: Time:
Printed Name: D.L. Thomas Date: 12-5-90	Printed Name: Date:	Printed Name: Date:
Company: ATI	Company:	Analytical Technologies, Inc.

ATI Labs: San Diego (619)458-9141 • Phoenix (602)438-1530 • Seattle (206)228-8335 • Pensacola (904)474-1001 DISTRIBUTION: White, Canary - ATI • Pink - ORIGINATOR

No 3148

Analytical Technologies, Inc.
560 Naches Avenue SW, Suite 101 Renton, WA 98055 (206)228-8335

Chain of Custody

DATE 12-31-90 PAGE 2 OF 2

LABORATORY NUMBER: 9101-003

PROJECT MANAGER: Terry Fisk
COMPANY: GeoEngineers, Inc.
ADDRESS: 2405 140th Ave. NE, #105
Bellevue, WA 98005
PHONE: 746-5200 SAMPLED BY: Robert N. Miyahira

SAMPLE DISPOSAL INSTRUCTIONS

☒ ATI Disposal @ $5.00 each ☐ Return

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	8010 Halogenated Volatiles	8020 Aromatic Volatiles	BETX ONLY	8240 GCMS Volatiles	8270 GCMS BNA	8310 HPLC PNA	8080 Pesticides & PCB's	PCB's ONLY	8140 Phosphate Pesticides	8150 Herbicides	WDOE PAH/HH (WAC 173)	418.1 (TPH)	413.2 Grease & Oil	9015 (Modified)	TOC 9060	TOX 9020	% Moisture	EP TOX Metals (8) EP EXT	Priority Pollutant Metals (13)	TCLP ONLY: 8080 Pesticide (4)	TCLP ONLY: 8240 ZH-EXT	TCLP ONLY: 8270	TCLP ONLY: 8150 Herbicides (2)	TCLP ONLY: Metals (8)			NUMBER OF CONTAINERS
WD-8 (north base)	12-31-90	1530	Soil	-13												X		X													12

PROJECT INFORMATION

PROJECT NUMBER: 0161-041-B04
PROJECT NAME: Unocal - Federal Way
PURCHASE ORDER NUMBER:
ONGOING PROJECT? YES ☒ NO ☐

SAMPLE RECEIPT

TOTAL NUMBER OF CONTAINERS	13
COC SEALS/INTACT? Y/N/NA	Y/NO
RECEIVED GOOD COND./COLD	Y
RECEIVED VIA:	Courier

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

TAT: (NORMAL) ☐ 2WKS (RUSH) ☒ 24HR ☐ 48 HRS ☐ 72 HRS ☐ 1 WK

GREATER THAN 24 HR. NOTICE? YES ☐ NO ☐ (LAB USE ONLY)

SPECIAL INSTRUCTIONS: Contact Terry Fisk with results

For Unocal Service Station #6227

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Time: 1730	Signature: Time:	Signature: Time:
Printed Name: Robert Miyahira Date: 12-31-90	Printed Name: Date:	Printed Name: Date:
Company: GeoEngineers, Inc.	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 1.**
Signature: DL Thomas Time: 10:45	Signature: Time:	Signature: Time:
Printed Name: DL Thomas Date: 1-2-91	Printed Name: Date:	Printed Name: Date:
Company: ATI	Company:	Company: Analytical Technologies, Inc.

ATI Labs: San Diego (619)458-9141 • Phoenix (602)438-1530 • Seattle (206)228-8335 • Pensacola (904)474-1001 DISTRIBUTION: White, Canary - ATI • Pink - ORIGINATOR

R - 54

No. 2824

Analytical Technologies, Inc. 560 Naches Avenue, S.W., Suite 101, Renton, WA 98055, (206) 228-8335

ATI I.D. # 9101-053

GeoEngineers

JAN 17 1991

Routing

File

January 15, 1991

GeoEngineers, Inc.
2405 140th Avenue N.E.
Suite 105
Bellevue, WA 98005

Attention : Terry Fisk

Project Number : 0161-041-B04

Project Name : Unocal Federal Way

On January 10, 1991, Analytical Technologies, Inc., received eight soil samples for analysis. The samples were analyzed with EPA methodology or equivalent methods as specified in the attached analytical schedule. The results, sample cross reference, and quality control data are enclosed.

Bob A. Olsiewski
Project Manager

Frederick W. Grothkopp
Technical Manager

FWG/elf

SAMPLE CROSS REFERENCE SHEET

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL FEDERAL WAY

ATI #	CLIENT DESCRIPTION	DATE SAMPLED	MATRIX
9101-053-1	910109-PL-6	01/09/91	SOIL
9101-053-2	910109-PL-7	01/09/91	SOIL
9101-053-3	910109-PL-8	01/09/91	SOIL
9101-053-4	910109-PL-SP	01/09/91	SOIL
9101-053-5	910109-VW-1	01/09/91	SOIL
9101-053-6	910109-VW-2	01/09/91	SOIL
9101-053-7	910109-G-SP-A	01/09/91	SOIL
9101-053-8	910109-G-SP-B	01/09/91	SOIL

----- TOTALS -----

MATRIX	# SAMPLES
SOIL	8

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

ANALYTICAL SCHEDULE

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL FEDERAL WAY

ANALYSIS	TECHNIQUE	REFERENCE	LAB
BETX	GC/PID	EPA 8020	R
FUEL HYDROCARBONS	GC/FID	EPA 8015 MODIFIED	R
PETROLEUM HYDROCARBONS	IR	EPA 418.1	R
MOISTURE	GRAVIMETRIC	METHOD 7-2.2	R

R = ATI - Renton
SD = ATI - San Diego
T = ATI - Tempe
PNR = ATI - Pensacola
FC = ATI - Fort Collins
SUB = Subcontract

PURGEABLE AROMATICS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: N/A
PROJECT #	: 0161-041-B04	DATE RECEIVED	: N/A
PROJECT NAME	: UNOCAL FEDERAL WAY	DATE EXTRACTED	: 01/10/91
CLIENT I.D.	: REAGENT BLANK	DATE ANALYZED	: 01/10/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8020 (BETX)	DILUTION FACTOR	: 1

RESULTS BASED ON DRY WEIGHT

COMPOUND	RESULT
BENZENE	<0.025
ETHYLBENZENE	<0.025
TOLUENE	<0.025
TOTAL XYLENES	<0.025

SURROGATE PERCENT RECOVERY

BROMOFLUOROBENZENE	99

PURGEABLE AROMATICS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 01/09/91
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/10/91
PROJECT NAME	: UNOCAL FEDERAL WAY	DATE EXTRACTED	: 01/10/91
CLIENT I.D.	: 910109-PL-6	DATE ANALYZED	: 01/10/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8020 (BETX)	DILUTION FACTOR	: 1

RESULTS BASED ON DRY WEIGHT

COMPOUND	RESULT
BENZENE	<0.025
ETHYLBENZENE	<0.025
TOLUENE	<0.025
TOTAL XYLENES	<0.025

SURROGATE PERCENT RECOVERY

BROMOFLUOROBENZENE	91

PURGEABLE AROMATICS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 01/09/91
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/10/91
PROJECT NAME	: UNOCAL FEDERAL WAY	DATE EXTRACTED	: 01/10/91
CLIENT I.D.	: 910109-PL-7	DATE ANALYZED	: 01/10/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8020 (BETX)	DILUTION FACTOR	: 1

RESULTS BASED ON DRY WEIGHT

COMPOUND	RESULT
BENZENE	<0.025
ETHYLBENZENE	<0.025
TOLUENE	<0.025
TOTAL XYLENES	<0.025

SURROGATE PERCENT RECOVERY

BROMOFLUOROBENZENE	96

PURGEABLE AROMATICS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 01/09/91
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/10/91
PROJECT NAME	: UNOCAL FEDERAL WAY	DATE EXTRACTED	: 01/10/91
CLIENT I.D.	: 910109-PL-8	DATE ANALYZED	: 01/10/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8020 (BETX)	DILUTION FACTOR	: 1
RESULTS BASED ON DRY WEIGHT			

COMPOUND	RESULT
BENZENE	<0.025
ETHYLBENZENE	<0.025
TOLUENE	<0.025
TOTAL XYLENES	<0.025

SURROGATE PERCENT RECOVERY	
BROMOFLUOROBENZENE	92

PURGEABLE AROMATICS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 01/09/91
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/10/91
PROJECT NAME	: UNOCAL FEDERAL WAY	DATE EXTRACTED	: 01/10/91
CLIENT I.D.	: 910109-PL-SP	DATE ANALYZED	: 01/10/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8020 (BETX)	DILUTION FACTOR	: 1

RESULTS BASED ON DRY WEIGHT

COMPOUND	RESULT
BENZENE	<0.025
ETHYLBENZENE	<0.025
TOLUENE	<0.025
TOTAL XYLENES	<0.025

SURROGATE PERCENT RECOVERY

BROMOFLUOROBENZENE	92

PURGEABLE AROMATICS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 01/09/91
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/10/91
PROJECT NAME	: UNOCAL FEDERAL WAY	DATE EXTRACTED	: 01/10/91
CLIENT I.D.	: 910109-G-SP-A	DATE ANALYZED	: 01/10/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8020 (BETX)	DILUTION FACTOR	: 1

RESULTS BASED ON DRY WEIGHT

COMPOUND	RESULT
BENZENE	<0.025
ETHYLBENZENE	<0.025
TOLUENE	<0.025
TOTAL XYLENES	<0.025

SURROGATE PERCENT RECOVERY

BROMOFLUOROBENZENE	89

PURGEABLE AROMATICS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 01/09/91
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/10/91
PROJECT NAME	: UNOCAL FEDERAL WAY	DATE EXTRACTED	: 01/10/91
CLIENT I.D.	: 910109-G-SP-B	DATE ANALYZED	: 01/10/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8020 (BETX)	DILUTION FACTOR	: 1

RESULTS BASED ON DRY WEIGHT

COMPOUND	RESULT
BENZENE	<0.025
ETHYLBENZENE	<0.025
TOLUENE	<0.025
TOTAL XYLENES	<0.025

SURROGATE PERCENT RECOVERY	
BROMOFLUOROBENZENE	92

PURGEABLE AROMATICS
QUALITY CONTROL DATA

CLIENT	: GEOENGINEERS, INC.	SAMPLE I.D.	: 9101-053-3
PROJECT #	: 0161-041-B04	DATE EXTRACTED	: 01/10/91
PROJECT NAME	: UNOCAL FEDERAL WAY	DATE ANALYZED	: 01/10/91
EPA METHOD	: 8020 (BETX)	MATRIX	: SOIL
		UNITS	: mg/Kg

COMPOUND	SAMPLE RESULT	SPIKE ADDED	SPIKED SAMPLE	% REC	DUP SPIKED SAMPLE	DUP % REC	RPD
BENZENE	<0.025	1.0	0.774	77	0.838	84	8
TOLUENE	<0.025	1.0	0.821	82	0.886	89	8
TOTAL XYLENES	<0.025	2.0	1.74	87	1.87	94	7

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: N/A
PROJECT #	: 0161-041-B04	DATE RECEIVED	: N/A
PROJECT NAME	: UNOCAL FEDERAL WAY	DATE EXTRACTED	: 01/10/91
CLIENT I.D.	: REAGENT BLANK	DATE ANALYZED	: 01/10/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 01/09/91
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/10/91
PROJECT NAME	: UNOCAL FEDERAL WAY	DATE EXTRACTED	: 01/10/91
CLIENT I.D.	: 910109-PL-6	DATE ANALYZED	: 01/10/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 01/09/91
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/10/91
PROJECT NAME	: UNOCAL FEDERAL WAY	DATE EXTRACTED	: 01/10/91
CLIENT I.D.	: 910109-PL-7	DATE ANALYZED	: 01/10/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 01/09/91
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/10/91
PROJECT NAME	: UNOCAL FEDERAL WAY	DATE EXTRACTED	: 01/10/91
CLIENT I.D.	: 910109-PL-8	DATE ANALYZED	: 01/10/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 01/09/91
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/10/91
PROJECT NAME	: UNOCAL FEDERAL WAY	DATE EXTRACTED	: 01/10/91
CLIENT I.D.	: 910109-PL-SP	DATE ANALYZED	: 01/10/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 01/09/91
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/10/91
PROJECT NAME	: UNOCAL FEDERAL WAY	DATE EXTRACTED	: 01/10/91
CLIENT I.D.	: 910109-VW-1	DATE ANALYZED	: 01/10/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 01/09/91
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/10/91
PROJECT NAME	: UNOCAL FEDERAL WAY	DATE EXTRACTED	: 01/10/91
CLIENT I.D.	: 910109-VW-2	DATE ANALYZED	: 01/10/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 01/09/91
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/10/91
PROJECT NAME	: UNOCAL FEDERAL WAY	DATE EXTRACTED	: 01/10/91
CLIENT I.D.	: 910109-G-SP-A	DATE ANALYZED	: 01/10/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 01/09/91
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/10/91
PROJECT NAME	: UNOCAL FEDERAL WAY	DATE EXTRACTED	: 01/10/91
CLIENT I.D.	: 910109-G-SP-B	DATE ANALYZED	: 01/10/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS
QUALITY CONTROL DATA

CLIENT	: GEOENGINEERS, INC.	SAMPLE I.D.	: 9101-053-3
PROJECT #	: 0161-041-B04	DATE EXTRACTED	: 01/10/91
PROJECT NAME	: UNOCAL FEDERAL WAY	DATE ANALYZED	: 01/10/91
EPA METHOD	: 8015 MODIFIED	MATRIX	: SOIL
		UNITS	: mg/Kg

COMPOUND	SAMPLE RESULT	CONC SPIKED	SPIKED SAMPLE	% REC	DUP SPIKED SAMPLE	DUP % RECOVERY	RPD
FUEL HYDROCARBONS	<5	500	381	76	394	79	3

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GENERAL CHEMISTRY RESULTS

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL FEDERAL WAY

MATRIX : SOIL
UNITS : mg/Kg

ATI I.D. #	CLIENT I.D.	PETROLEUM HYDROCARBONS
9101-053-5	910109-VW-1	170
9101-053-6	910109-VW-2	280
REAGENT BLANK	-	<5

GENERAL CHEMISTRY RESULTS

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL FEDERAL WAY

MATRIX : SOIL
UNITS : %

ATI I.D. #	CLIENT I.D.	MOISTURE
9101-053-1	910109-PL-6	13
9101-053-2	910109-PL-7	16
9101-053-3	910109-PL-8	10
9101-053-4	910109-PL-SP	13
9101-053-7	910109-G-SP-A	12
9101-053-8	910109-G-SP-B	11

GENERAL CHEMISTRY QUALITY CONTROL

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL FEDERAL WAY

MATRIX : SOIL

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP RESULT	RPD	SPIKED RESULT	SPIKE ADDED	% REC
PETROLEUM HYDROCARBONS	mg/Kg	9101-053-6	280	270	4	576	263	112
MOISTURE	%	9101-059-2	16	17	6	N/A	N/A	N/A

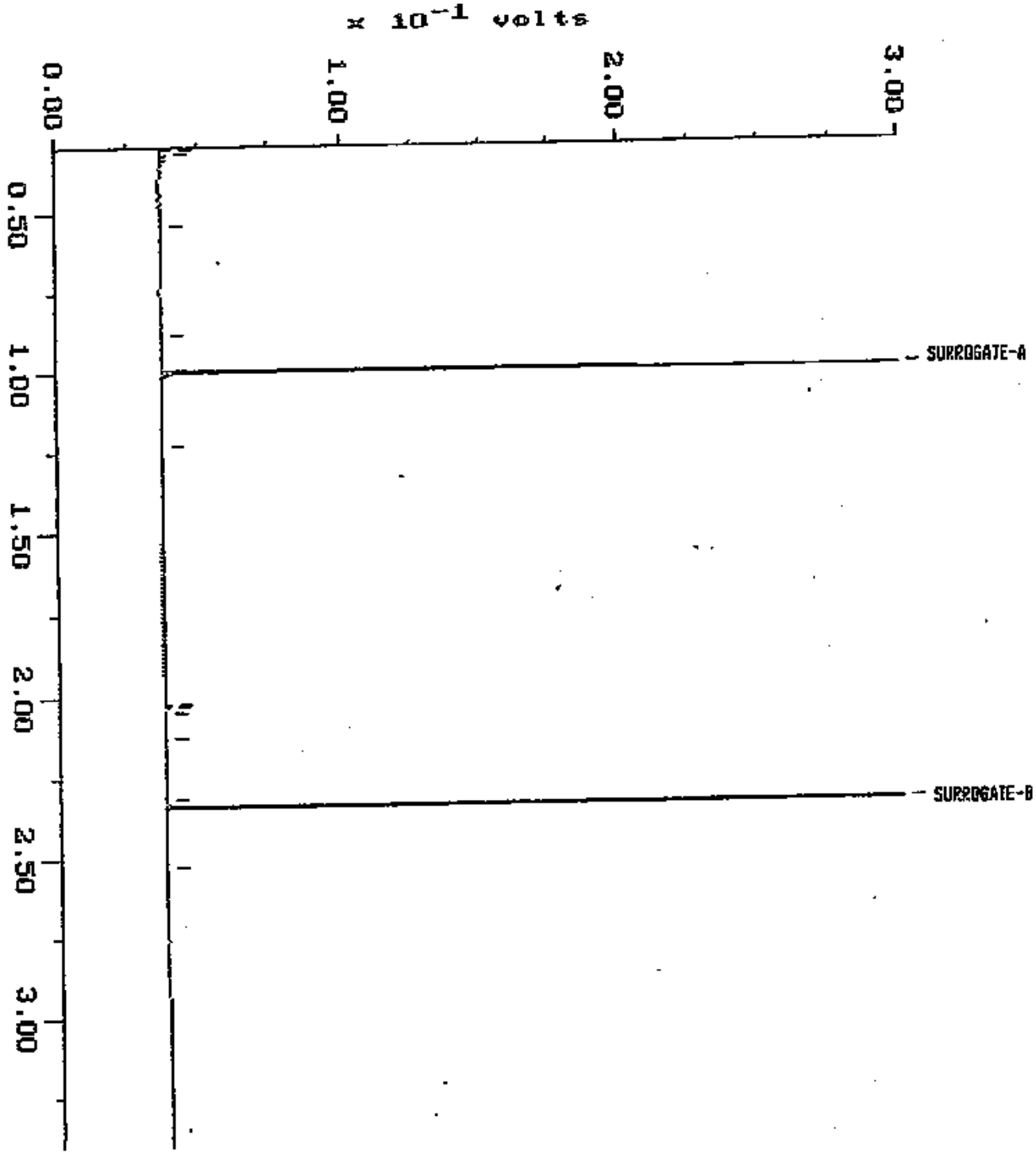
$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

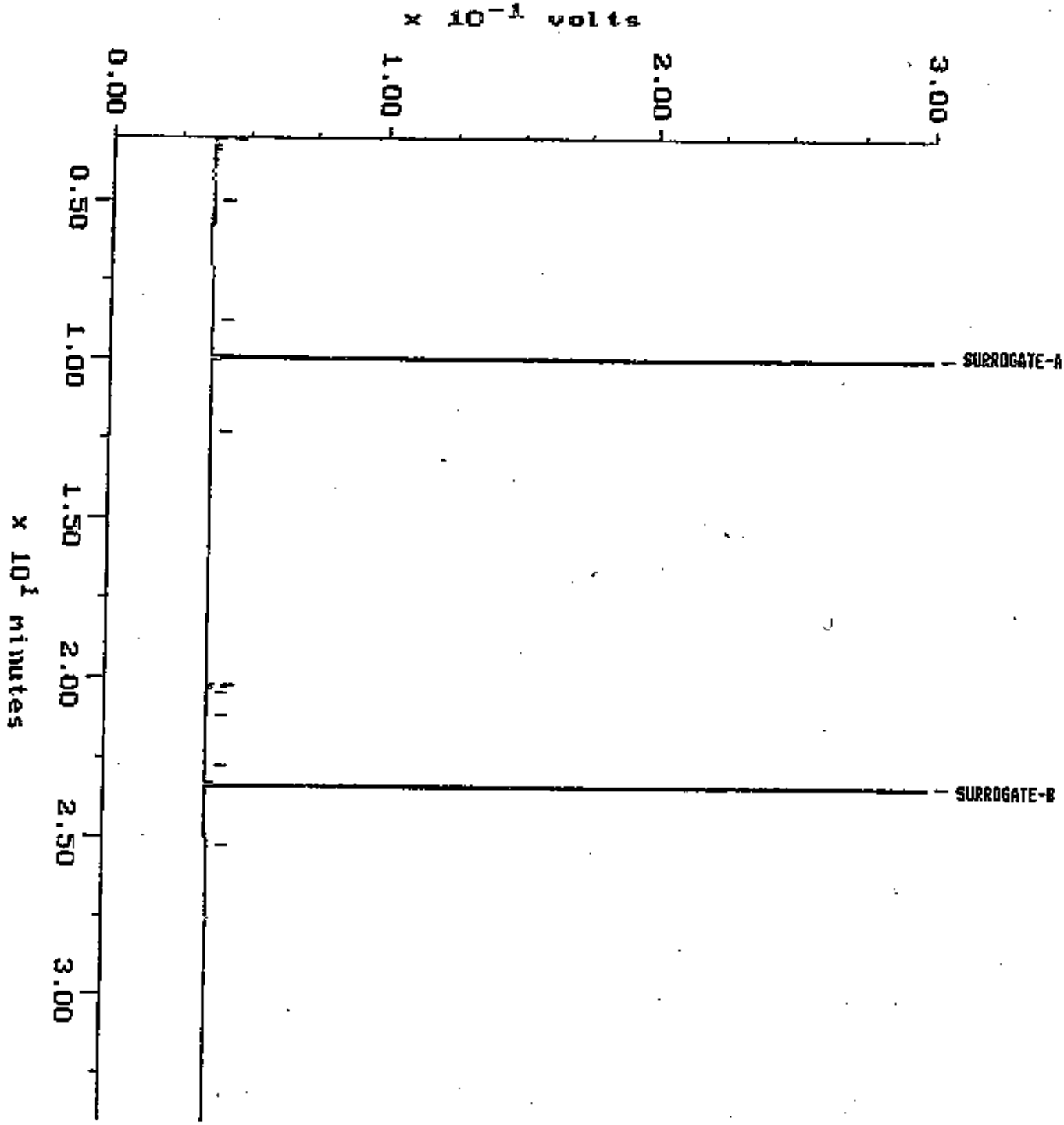
Sample: 9101-053-1
Acquired: 10-JAN-91 18:36
Inj Vol: 1.00

Channel: CLARENCE
Method: M:\MAXDATA\SERGE-C\FUEL0110

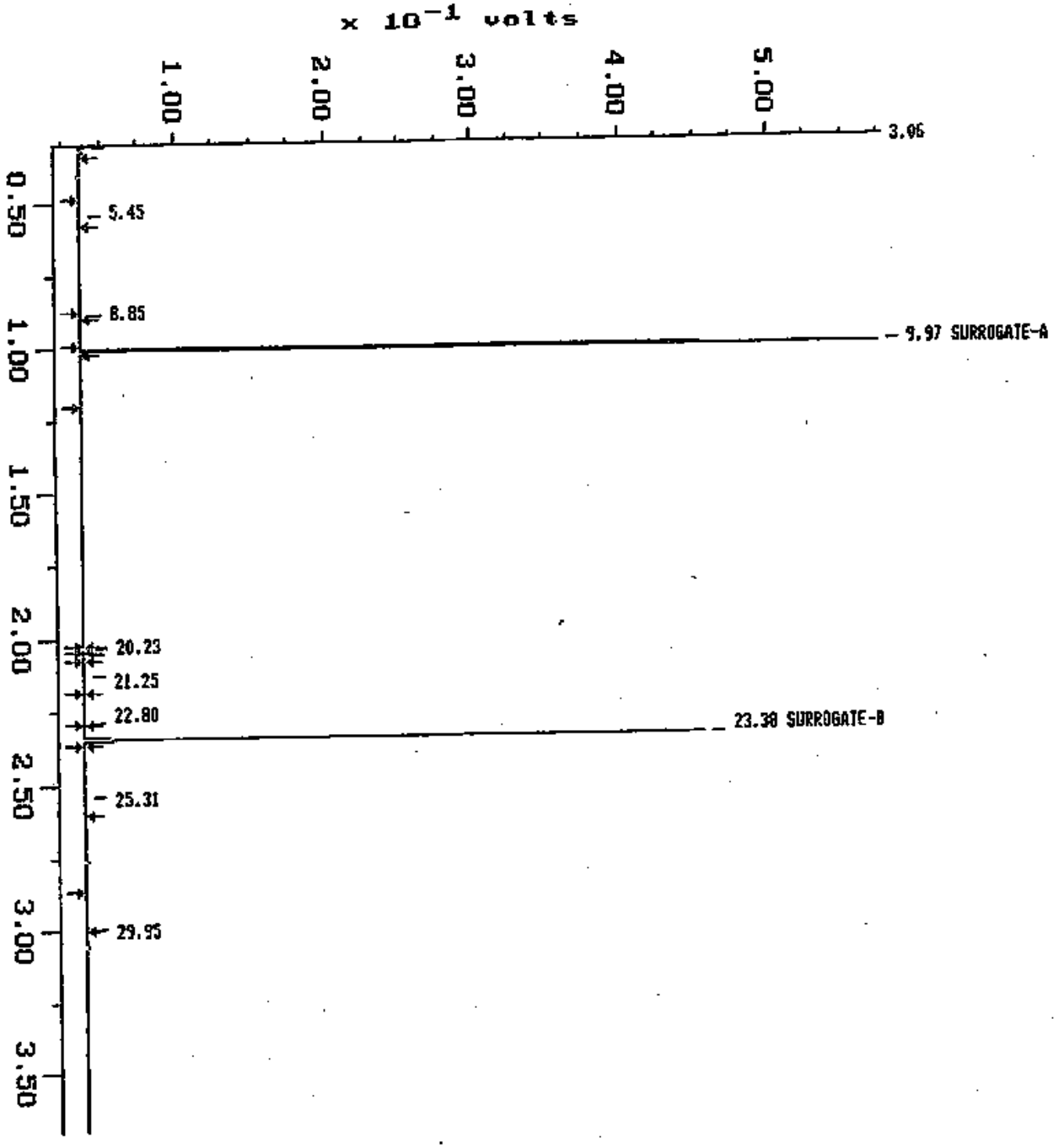
Filename: 0110SC09
Operator: BRE



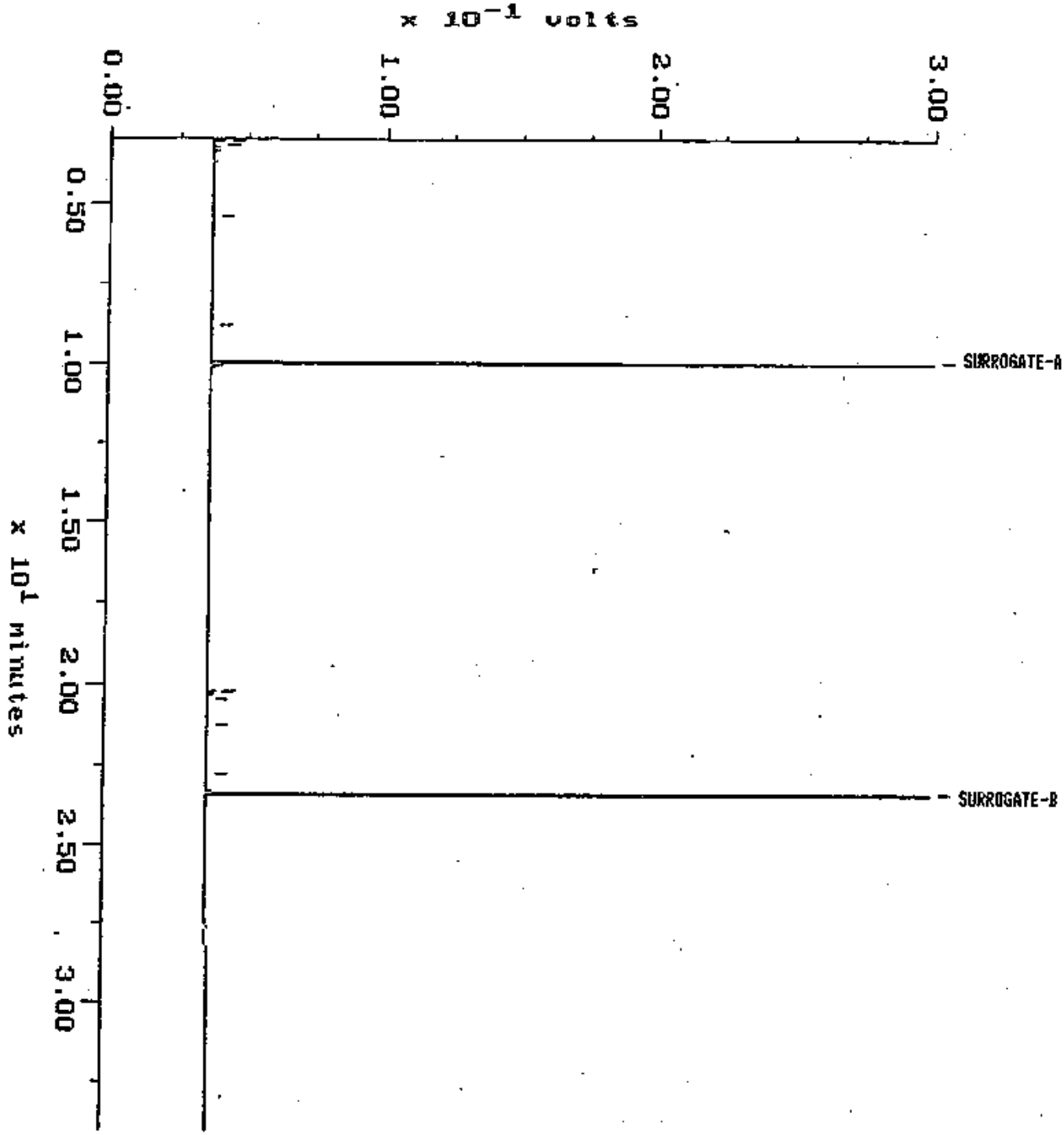
Sample: 9101-053-2 Channel: CLARENCE Filename: 0110SC10
Acquired: 10-JAN-91 19:23 Method: M:\MAXDATA\SERGE-C\FUEL0110 Operator: BRE
Inj Vol: 1.00

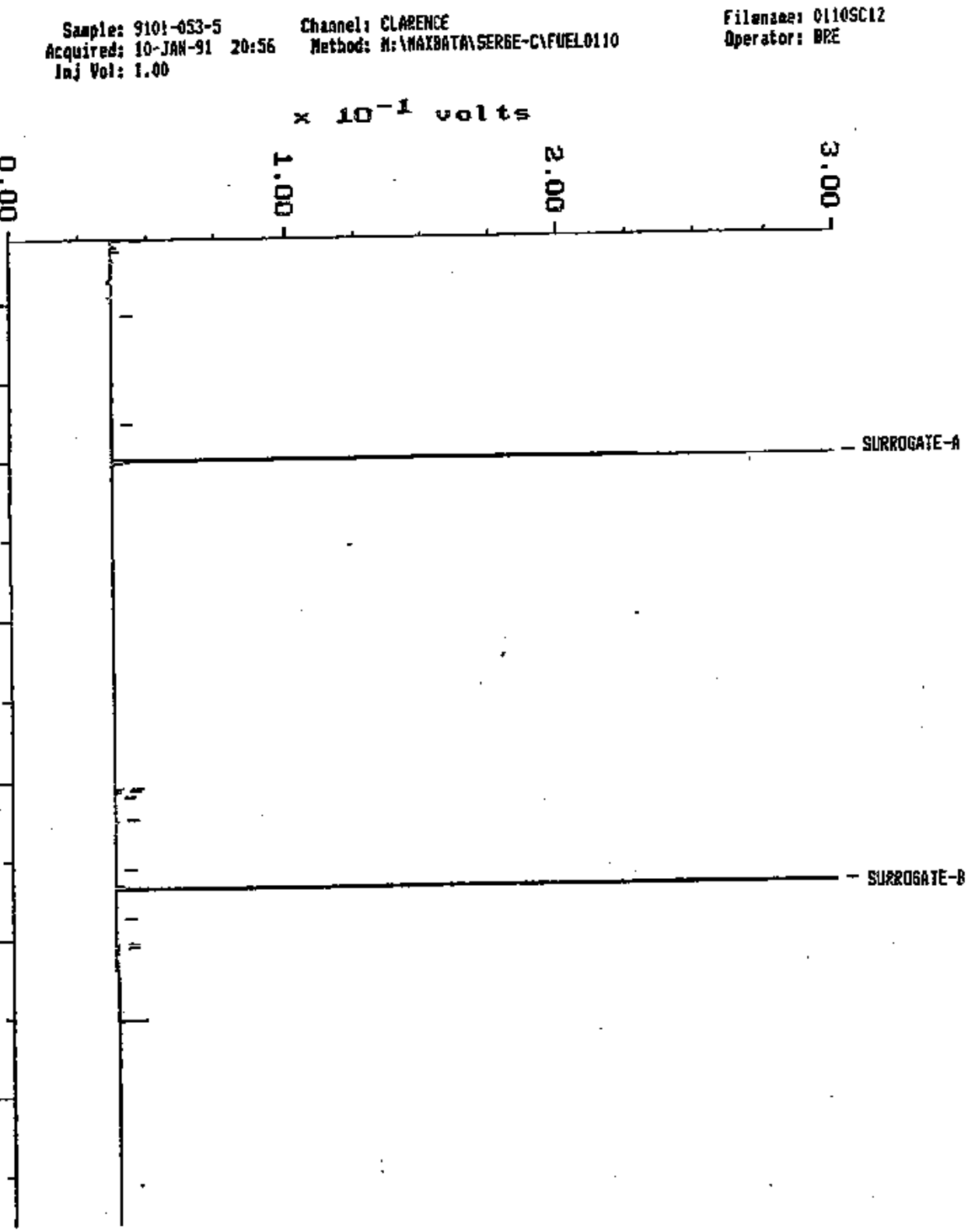


Sample: 9101-053-3 Channel: CLARENCE Filename: 0110SC04
Acquired: 10-JAN-91 14:42 Method: M:\MAIDATA\SERGE-C\FUEL0110 Operator: BRE
Inj Vol: 1.00

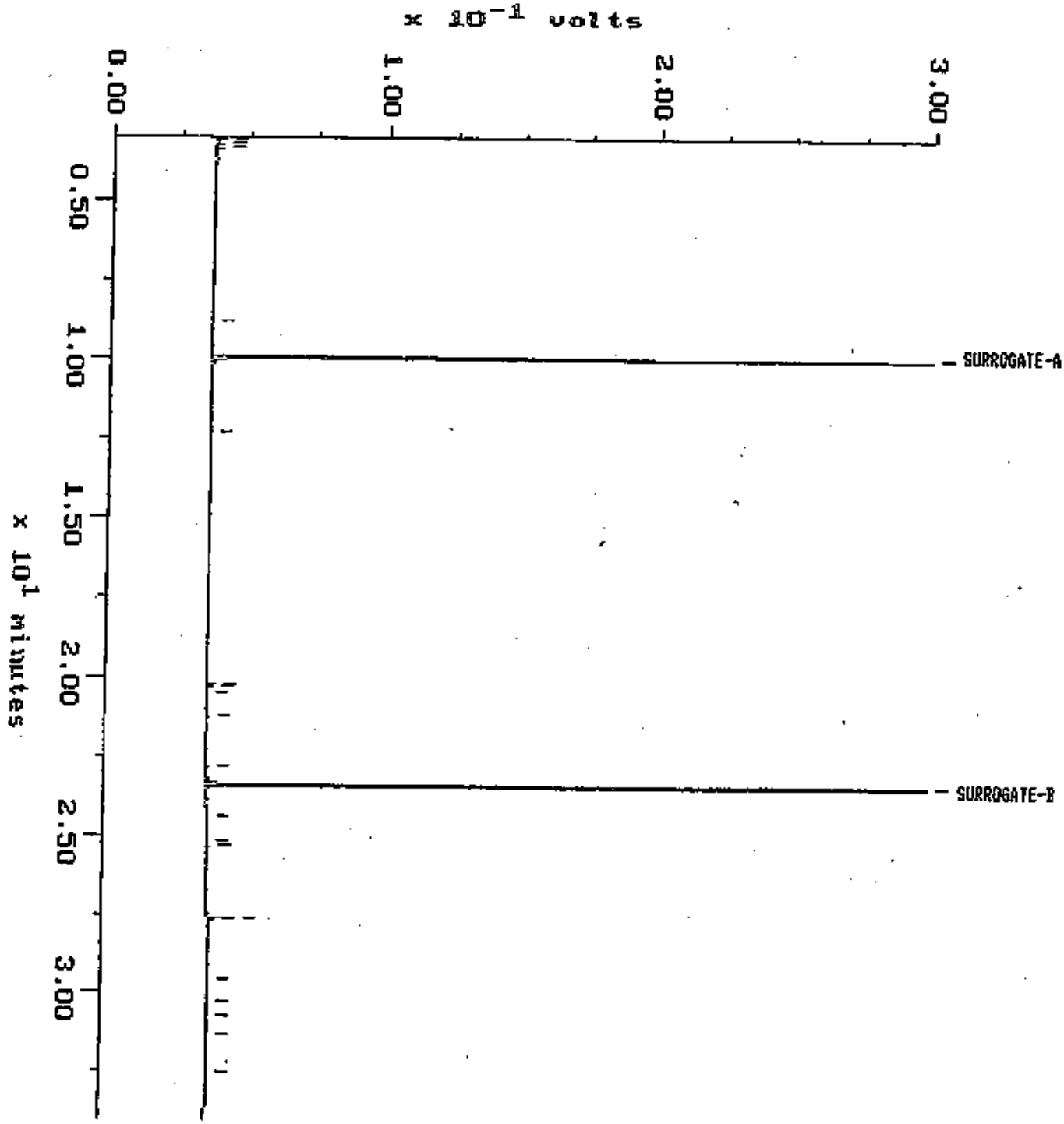


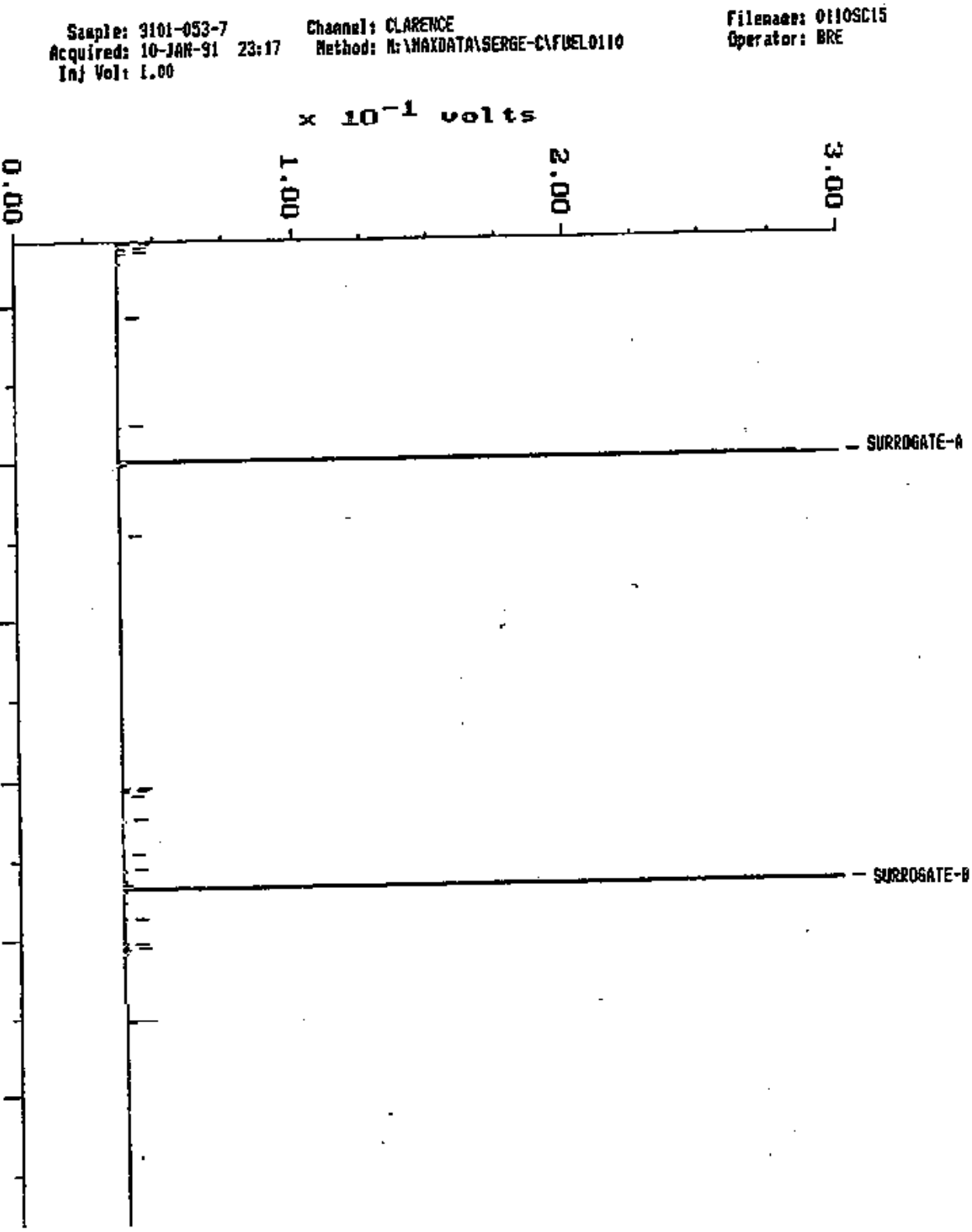
Sample: 9101-053-4 Channel: CLARENCE Filename: 0110SC11
Acquired: 10-JAN-91 20:10 Method: M:\MAXDATA\SERGE-C\FUEL0110 Operator: BRE
Inj Vol: 1.00

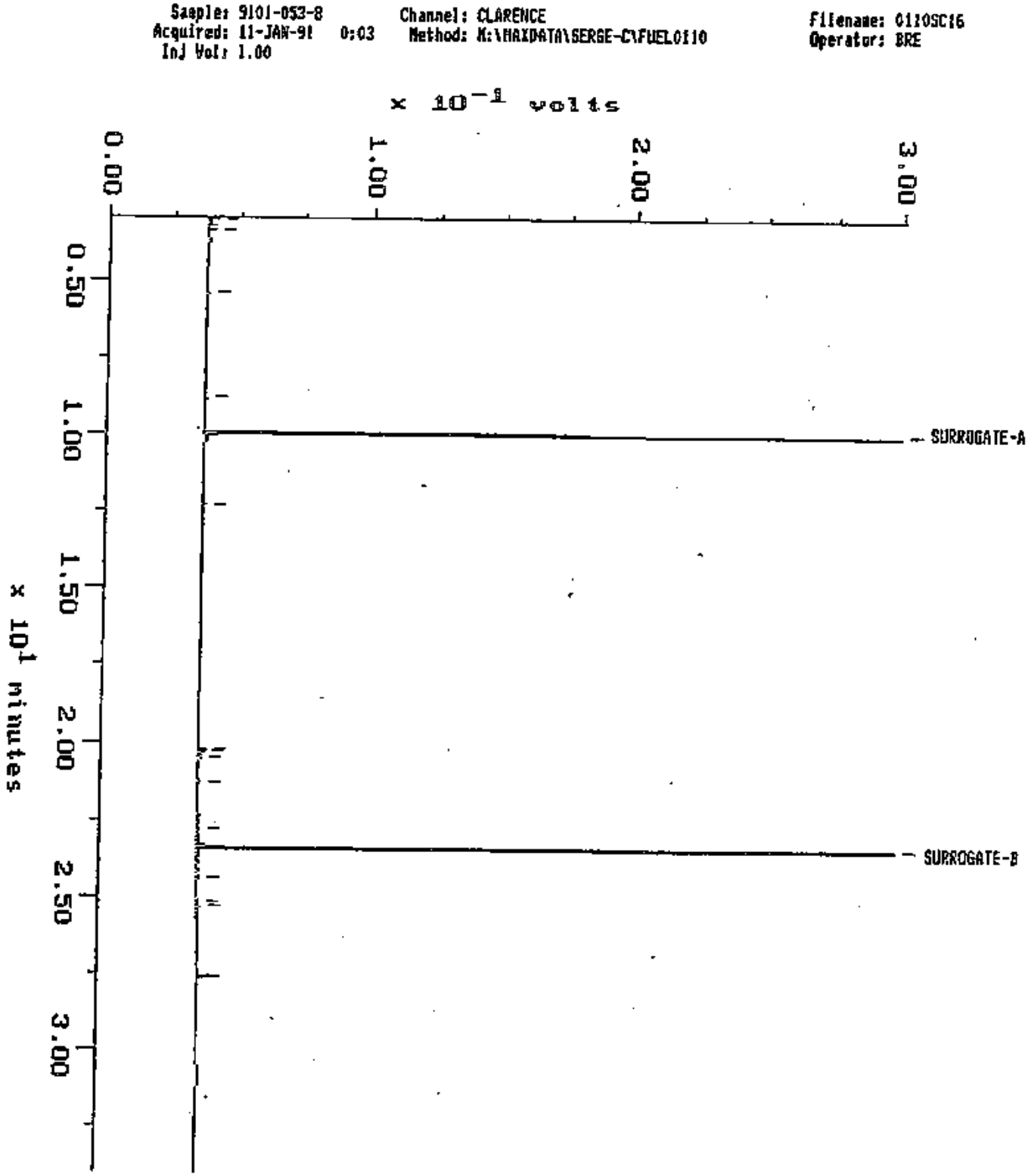



Sample: 9101-053-5
Acquired: 10-JAN-91 20:56
Inj Vol: 1.00
Channel: CLARENCE
Method: M:\MAXDATA\SERGE-C\FUEL0110
Filename: 0110SC12
Operator: BRE
x 10⁻¹ volts
0.00
1.00
2.00
3.00
0.50
1.00
1.50
2.00
2.50
3.00
x 10¹ minutes
SURROGATE-A
SURROGATE-B

Sample: 9010-053-6 Channel: CLARENCE Filename: 0110SC14
Acquired: 10-JAN-91 22:29 Method: M:\MAXDATA\SERGE-C\FUEL0110 Operator: BRE
Inj Vol: 1.00




Sample: 3101-053-7
Acquired: 10-JAN-91 23:17
Inj Vol: 1.00
Channel: CLARENCE
Method: M:\HAXDATA\SERGE-C\FUEL0110
Filename: 0110SC15
Operator: BRE
x 10⁻¹ volts
0.00
1.00
2.00
3.00
0.50
1.00
1.50
2.00
2.50
3.00
x 10¹ minutes
SURROGATE-A
SURROGATE-B


Sample: 9101-053-8
Acquired: 11-JAN-91 0:03
Inj Vol: 1.00
Channel: CLARENCE
Method: M:\HAIDATA\SERGE-C\FUEL0110
Filename: 0110SC16
Operator: BRE
x 10⁻¹ volts
0.00
1.00
2.00
3.00
0.50
1.00
1.50
2.00
2.50
3.00
x 10¹ minutes
SURROGATE-A
SURROGATE-B

Analytical Technologies, Inc.
560 Naches Avenue SW, Suite 101 Renton, WA 98055 (206)228-8335

DATE 1/9 PAGE ___ OF ___

Chain of Custody

LABORATORY NUMBER: 9101-053

PROJECT MANAGER: TERRY FISK
COMPANY: GEOENGINEERS
ADDRESS: 2405 140TH AVE NE STE 105
BELLEVUE, WA 98005
PHONE: 746-5200 SAMPLED BY: DCH

SAMPLE DISPOSAL INSTRUCTIONS

☒ ATI Disposal @ $5.00 each ☐ Return

SAMPLE ID	DATE	TIME	MATRIX	LAB ID
910109-PL-6	1/9/91	1250	SOIL	1
910109-PL-7		1235	SOIL	2
910109-PL-8		1240	SOIL	3
910109-PL-SP		1300	SOIL	4
910109-VW-1		1330	SOIL	5
910109-VW-2		1600	SOIL	6
910109-G-SP-A		1400	SOIL	7
910109-G-SP-B	✓	1435	SOIL	8

ANALYSIS REQUEST

	8010 Halogenated Volatiles	8020 Aromatic Volatiles	BETX ONLY	8240 GCMS Volatiles	8270 GCMS BNA	8310 HPLC PNA	8080 Pesticides & PCB's	PCB's ONLY	8140 Phosphate Pesticides	8150 Herbicides	WDOE PAH/HH (WAC 173)	418.1 (TPH)	413.2 Grease & Oil	8015 (Modified)	TOC 9060	TOX 9020	% Moisture	EP TOX Metals (8) EP EXT	Priority Pollutant Metals (13)	TCLP ONLY: 8080 Pesticide (4)	8240 ZH-EXT	8270	8150 Herbicides (2)	Metals (8)			NUMBER OF CONTAINERS
910109-PL-6			X											X													1
910109-PL-7			X											X													1
910109-PL-8			X											X													1
910109-PL-SP			X											X													1
910109-VW-1												X		X													1
910109-VW-2												X		X													1
910109-G-SP-A			X											X													1
910109-G-SP-B			X											X													1

PROJECT INFORMATION

PROJECT NUMBER: 0161-041-B04
PROJECT NAME: NAVAL FERRY FACILITY
PURCHASE ORDER NUMBER:
ONGOING PROJECT? YES ☑ NO ☐

SAMPLE RECEIPT

TOTAL NUMBER OF CONTAINERS	8
COC SEALS/INTACT? Y/N/NA	N/A
RECEIVED GOOD COND./COLD	Y/Y
RECEIVED VIA:	Hand Del

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

TAT: (NORMAL) ☐ 2WKS (RUSH) ☑ 24HR ☐ 48 HRS ☐ 72 HRS ☐ 1 WK
GREATER THAN 24 HR. NOTICE? YES ☑ NO ☐ (LAB USE ONLY)

SPECIAL INSTRUCTIONS: SS#6227
Send results to Terry Fisk @ GE1

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Time: 1005	Signature: Time:	Signature: Time:
Printed Name: DONALD HANSON Date: 1/10/91	Printed Name: Date:	Printed Name: Date:
Company: GE1	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: Time:	Signature: Time:	Signature: Time: 1005
Printed Name: Date:	Printed Name: Date:	Printed Name: V. PENNICK Date: 1/10/91
Company:	Company:	Analytical Technologies, Inc.

ATI Labs: San Diego (619)458-9141 • Phoenix (602)438-1530 • Seattle (206)228-8335 • Pensacola (904)474-1001 DISTRIBUTION: White, Canary - ATI • Pink - ORIGINATOR

No 1012

Analytical Technologies, Inc. 560 Naches Avenue, S.W., Suite 101, Renton, WA 98055, (206) 228-8335

ATI I.D. # 9101-069

GeoEngineers

JAN 21 1991

Routing

File

January 16, 1991

GeoEngineers, Inc.
2405 140th Avenue N.E.
Suite 105
Bellevue, WA 98005

Attention : Terry Fisk

Project Number : 161-041-B04

Project Name : Unocal Federal Way

On January 11, 1991, Analytical Technologies, Inc., received four soil samples for analysis. The samples were analyzed with EPA methodology or equivalent methods as specified in the attached analytical schedule. The results, sample cross reference, and quality control data are enclosed.

Kenneth C. Wahl for Bob A. Olsiewski
Project Manager

Frederick W. Grothkopp
Technical Manager

FWG/tc

SAMPLE CROSS REFERENCE SHEET

CLIENT : GEOENGINEERS, INC.
PROJECT # : 161-041-B04
PROJECT NAME : UNOCAL FEDERAL WAY

ATI #	CLIENT DESCRIPTION	DATE SAMPLED	MATRIX
9101-069-1	910110-VW-3	01/10/91	SOIL
9101-069-2	910110-VWSP-1	01/10/91	SOIL
9101-069-3	910110-VWSP-2	01/10/91	SOIL
9101-069-4	910110-VWSP-3	01/10/91	SOIL

----- TOTALS -----

MATRIX	# SAMPLES
SOIL	4

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

ANALYTICAL SCHEDULE

CLIENT : GEOENGINEERS, INC.
PROJECT # : 161-041-B04
PROJECT NAME : UNOCAL FEDERAL WAY

ANALYSIS	TECHNIQUE	REFERENCE	LAB
FUEL HYDROCARBONS	GC/FID	EPA 8015 MODIFIED	R
PETROLEUM HYDROCARBONS	IR	EPA 418.1	R

R = ATI - Renton
SD = ATI - San Diego
T = ATI - Tempe
PNR = ATI - Pensacola
FC = ATI - Fort Collins
SUB = Subcontract

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: N/A
PROJECT #	: 161-041-B04	DATE RECEIVED	: N/A
PROJECT NAME	: UNOCAL FEDERAL WAY	DATE EXTRACTED	: 01/11/91
CLIENT I.D.	: REAGENT BLANK	DATE ANALYZED	: 01/11/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 01/10/91
PROJECT #	: 161-041-B04	DATE RECEIVED	: 01/11/91
PROJECT NAME	: UNOCAL FEDERAL WAY	DATE EXTRACTED	: 01/11/91
CLIENT I.D.	: 910110-VW-3	DATE ANALYZED	: 01/11/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 01/10/91
PROJECT #	: 161-041-B04	DATE RECEIVED	: 01/11/91
PROJECT NAME	: UNOCAL FEDERAL WAY	DATE EXTRACTED	: 01/11/91
CLIENT I.D.	: 910110-VWSP-1	DATE ANALYZED	: 01/11/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 01/10/91
PROJECT #	: 161-041-B04	DATE RECEIVED	: 01/11/91
PROJECT NAME	: UNOCAL FEDERAL WAY	DATE EXTRACTED	: 01/11/91
CLIENT I.D.	: 910110-VWSP-2	DATE ANALYZED	: 01/11/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 01/10/91
PROJECT #	: 161-041-B04	DATE RECEIVED	: 01/11/91
PROJECT NAME	: UNOCAL FEDERAL WAY	DATE EXTRACTED	: 01/11/91
CLIENT I.D.	: 910110-VWSP-3	DATE ANALYZED	: 01/11/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS
QUALITY CONTROL DATA

CLIENT	: GEOENGINEERS, INC.	SAMPLE I.D.	: 9101-070-1
PROJECT #	: 161-041-B04	DATE EXTRACTED	: 01/11/91
PROJECT NAME	: UNOCAL FEDERAL WAY	DATE ANALYZED	: 01/11/91
EPA METHOD	: 8015 MODIFIED	MATRIX	: SOIL
		UNITS	: mg/Kg

COMPOUND	SAMPLE RESULT	CONC SPIKED	SPIKED SAMPLE	% REC	DUP SPIKED SAMPLE	DUP % RECOVERY	RPD
FUEL HYDROCARBONS	<5	500	606	121	608	122	0

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GENERAL CHEMISTRY
SOIL

CLIENT : GEOENGINEERS, INC.
PROJECT # : 161-041-B04
PROJECT NAME : UNOCAL FEDERAL WAY

ANALYSIS	DATE PREPPED	DATE ANALYZED
PETROLEUM HYDROCARBONS	01/11/91	01/11/91

GENERAL CHEMISTRY RESULTS

CLIENT : GEOENGINEERS, INC.
PROJECT # : 161-041-B04
PROJECT NAME : UNOCAL FEDERAL WAY

SAMPLE MATRIX : SOIL
UNITS : mg/Kg

ATI I.D. #	CLIENT I.D.	PETROLEUM HYDROCARBONS
9101-069-1	910110-VW-3	33
9101-069-2	910110-VWSP-1	34
9101-069-3	910110-VWSP-2	12
9101-069-4	910110-VWSP-3	50
REAGENT BLANK	-	<5

GENERAL CHEMISTRY QUALITY CONTROL

CLIENT : GEOENGINEERS, INC.
PROJECT # : 161-041-B04
PROJECT NAME : UNOCAL FEDERAL WAY

MATRIX : SOIL
UNITS : mg/Kg

PARAMETER	ATI I.D.	SAMPLE RESULT	DUP RESULT	RPD	SPIKED RESULT	SPIKE ADDED	% REC
PETROLEUM HYDROCARBONS	9101-070-2	48	51	6	282	244	96

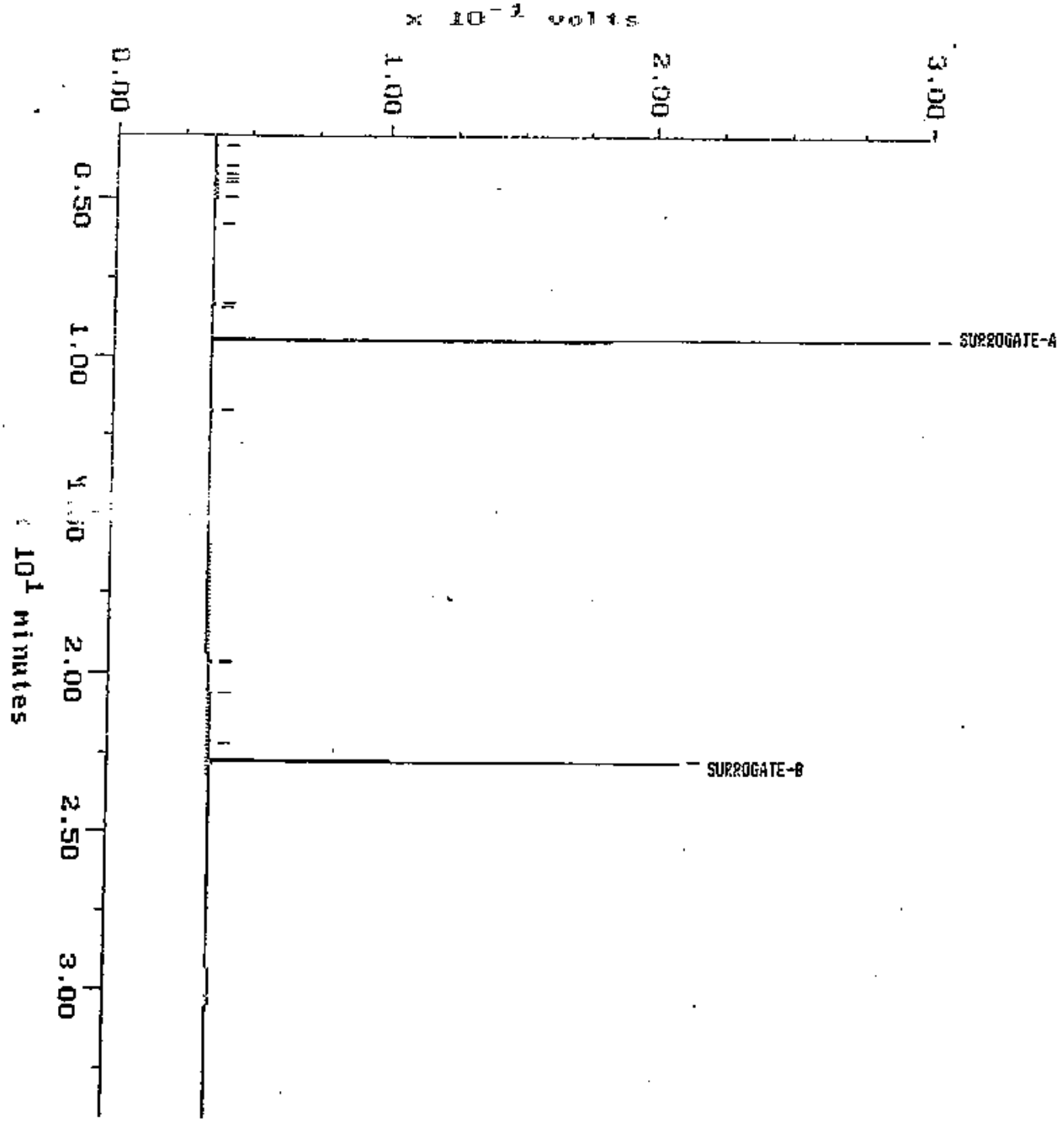
$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

Sample: 3101-069-1
Acquired: 11-JAN-91 17:29
Inj Vol: 1.00

Channel: DEMITRI
Method: M:\MAXDATA\SEREE-D\FUEL0111

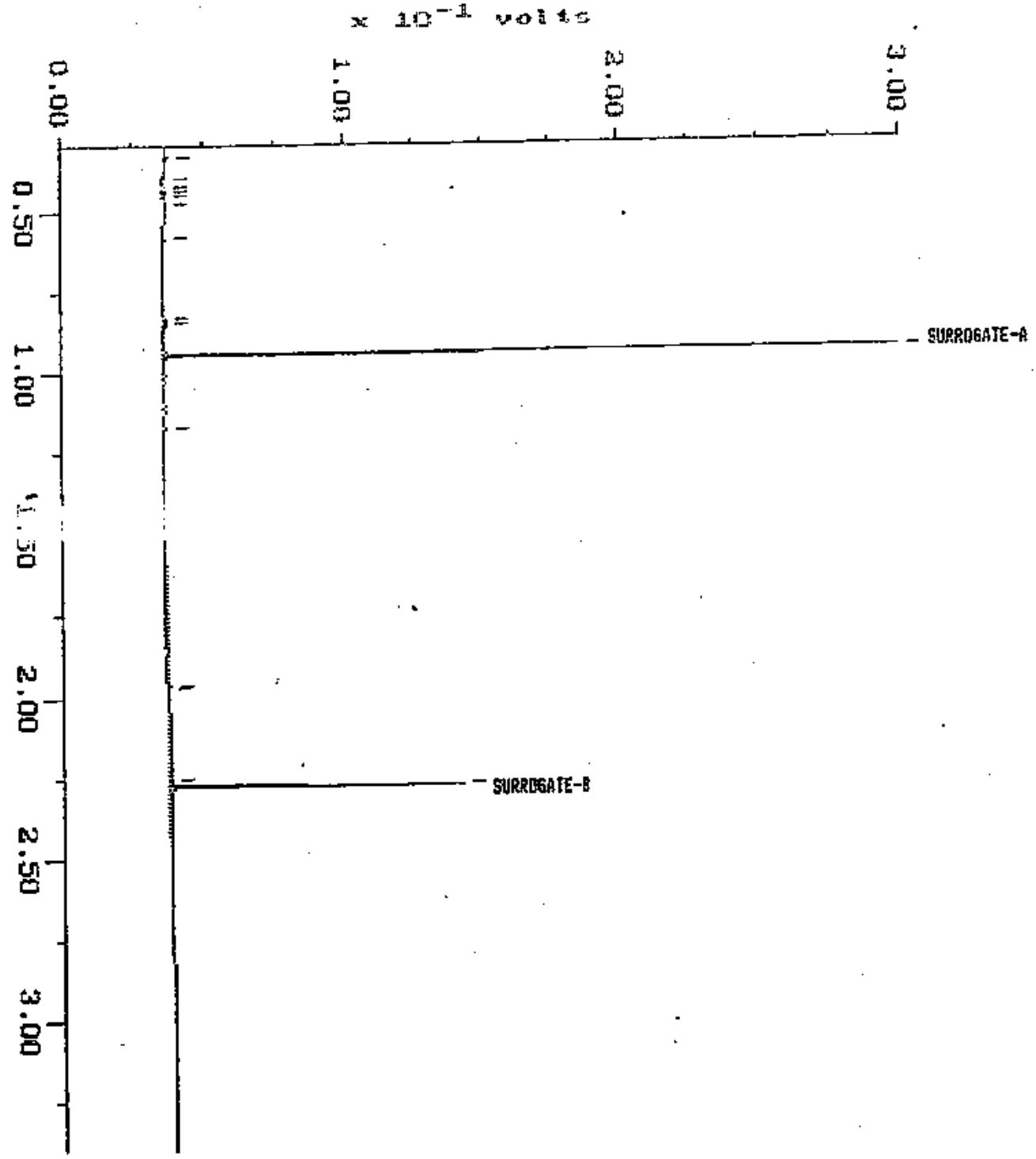
Filename: 0111SD09
Operator: SEE

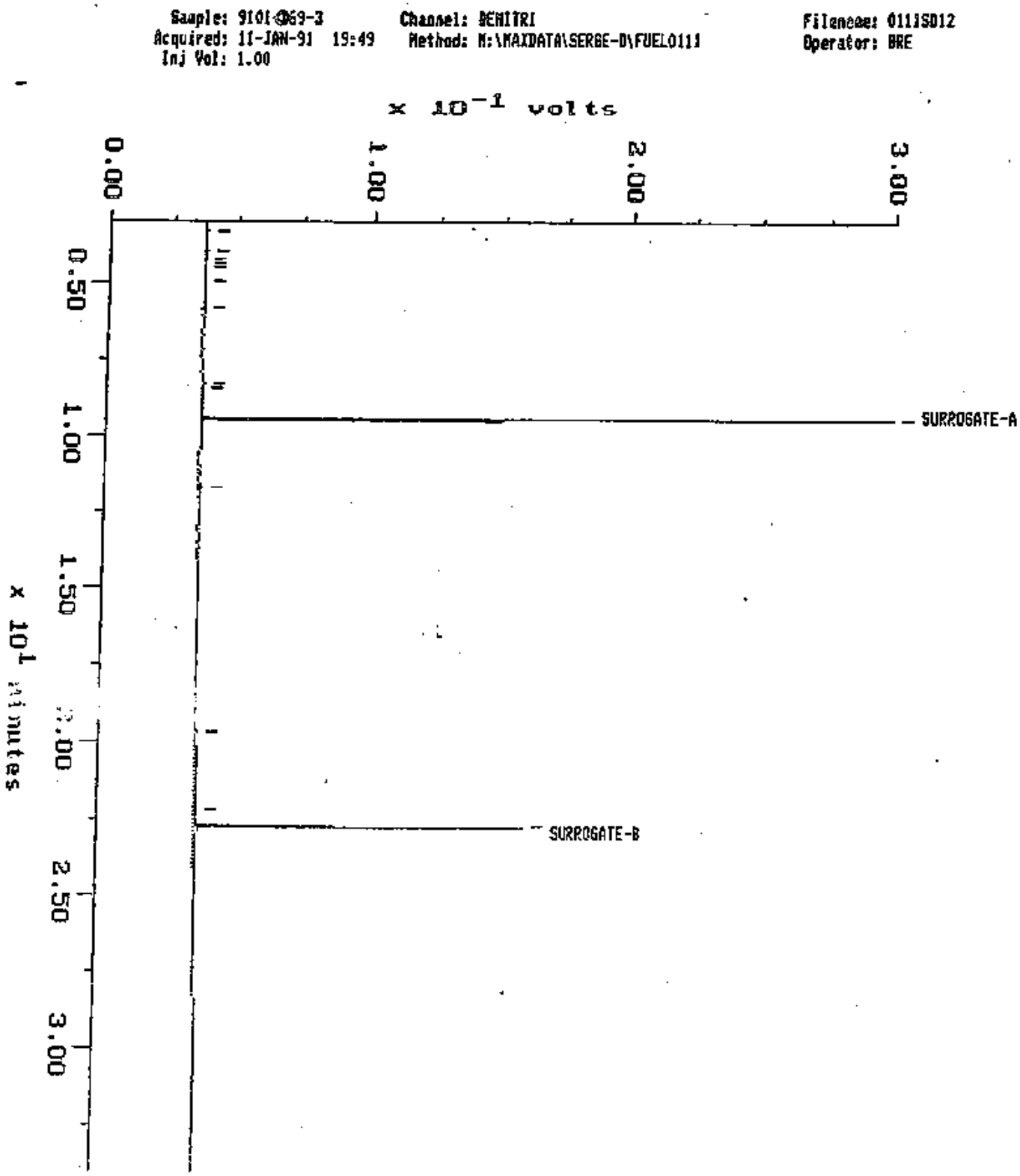


Sample: 9101-069-2
Acquired: 11-JAN-91 10:15
Inj Vol: 1.00

Channel: DEMITRI
Method: M:\MAYDATA\SERGE-DV\FUEL011

Filename: 0111SD10
Operator: BRE



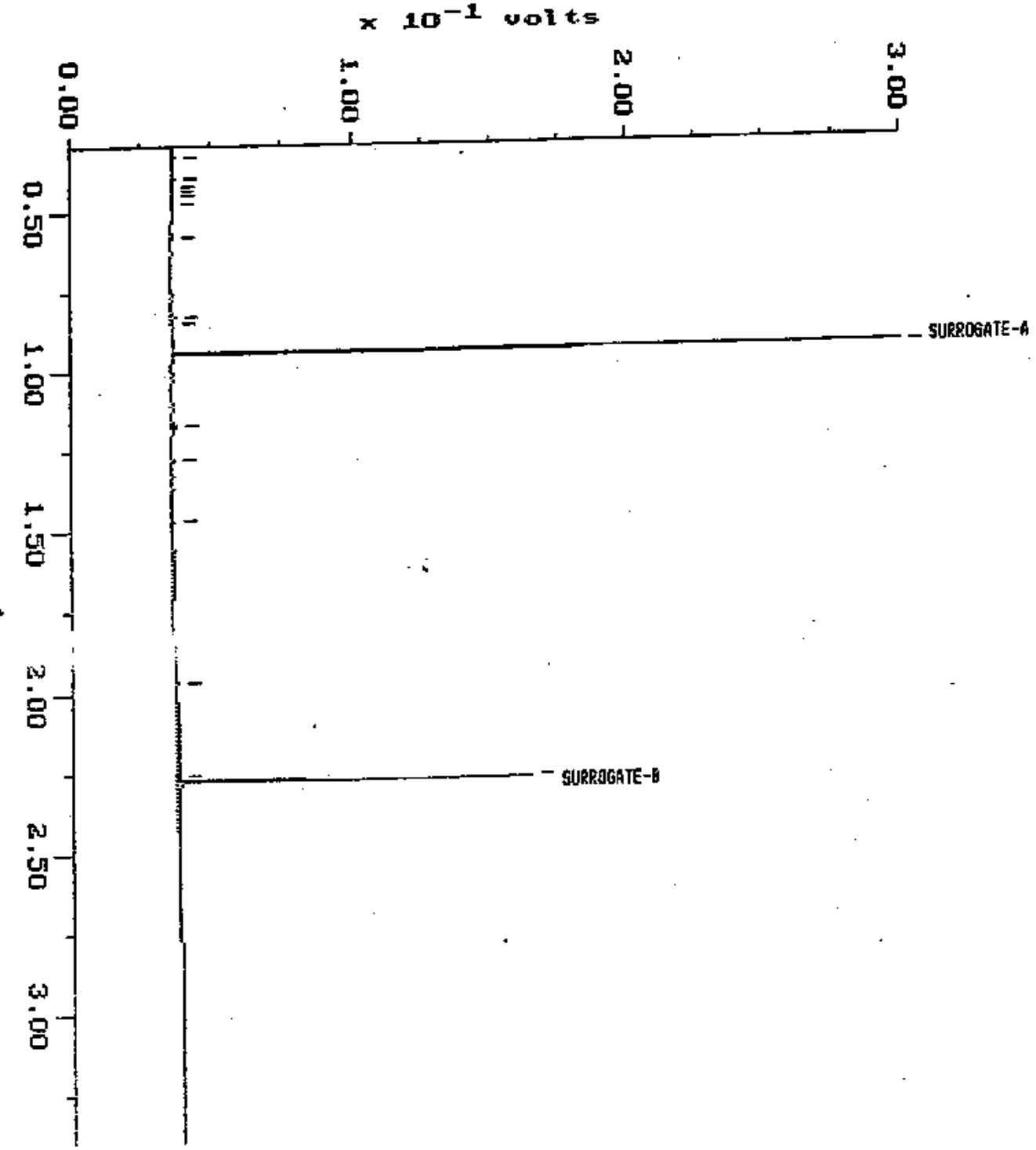

Sample: 9101@69-3
Acquired: 11-JAN-91 19:49
Inj Vol: 1.00
Channel: BENITRI
Method: M:\MAXDATA\SERGE-D\FUEL011
Filename: 011SD12
Operator: BRE
x 10⁻¹ volts
0.00
1.00
2.00
3.00
0.50
1.00
1.50
2.00
2.50
3.00
x 10¹ minutes
SURROGATE-A
SURROGATE-B

9101-169-4

Sample: 9101-169-4
Acquired: 11-JAN-91 20:35
Inj Vol: 1.00

Channel: DEMITRI
Method: M:\MAXDATA\SERGE-D\FUEL011

Filename: 01115D13
Operator: BRE



Analytical Technologies, Inc.
560 Naches Avenue SW, Suite 101 Renton, WA 98055 (206)228-8335

Chain of Custody

DATE 1/10/91 PAGE 1 OF 1

LABORATORY NUMBER: 9101-069

PROJECT MANAGER: TERRY FISK
COMPANY: GEOENGINEERS
ADDRESS: 2405 140th AVE NE STE 105
BELLEVUE, WA 98005
PHONE: 746-5200 SAMPLED BY: DEH

SAMPLE DISPOSAL INSTRUCTIONS
☒ ATI Disposal @ $5.00 each ☐ Return

SAMPLE ID	DATE	TIME	MATRIX	LAB ID
910110-VW-3	1/10/91	1225	SOIL	1
910110-VWSP-1	1/10/91	1340	SOIL	2
910110-VWSP-2	1/10/91	1245	SOIL	3
910110-VWSP-3	1/10/91	1300	SOIL	4

ANALYSIS REQUEST

8010 Halogenated Volatiles	8020 Aromatic Volatiles	BETX ONLY	8240 GCMS Volatiles	8270 GCMS BNA	8310 HPLC PNA	8080 Pesticides & PCB's	PCB's ONLY	8140 Phosphate Pesticides	8150 Herbicides	WDOE PAH-HH (WAC 173)	418.1 (TPH)	413.2 Grease & Oil	8015 (Modified)	TOC 9060	TOX 9020	% Moisture	EP TOX Metals (8) EP EXT	Priority Pollutant Metals (13)	TCLP ONLY: 8080 Pesticide (4)	8240 ZH-EXT	8270	8150 Herbicides (2)	Metals (8)			NUMBER OF CONTAINERS
											X		X													1
											X		X													1
											X		X													1
											X		X													1

PROJECT INFORMATION
PROJECT NUMBER: 161-041-B04
PROJECT NAME: UNOCAL FEDERAL WAY
PURCHASE ORDER NUMBER:
ONGOING PROJECT? YES ☒ NO ☐

SAMPLE RECEIPT
TOTAL NUMBER OF CONTAINERS: 4
COC SEALS/INTACT? Y/N/NA: Y/Y
RECEIVED GOOD COND./COLD: Y
RECEIVED VIA: Courier

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS
TAT: (NORMAL) ☐ 2WKS (RUSH) ☒ 24HR ☐ 48 HRS ☐ 72 HRS ☐ 1 WK
GREATER THAN 24 HR. NOTICE? YES ☐ NO ☐ (LAB USE ONLY)

SPECIAL INSTRUCTIONS: SS#6227
Results to Terry Fisk @ GeoEngineers

RELINQUISHED BY: 1	RELINQUISHED BY: 2	RELINQUISHED BY: 3
Signature: Time: 0815	Signature: Time:	Signature: Time:
Printed Name: Date: 1/11/91 DONALD HALGIN	Printed Name: Date:	Printed Name: Date:
Company: GEI	Company:	Company:
RECEIVED BY: 1	**RECEIVED BY: 2**	**RECEIVED BY: (LAB) 3**
Signature: Time:	Signature: Time:	Signature: Time: 1015
Printed Name: Date:	Printed Name: Date:	Printed Name: Date: V. PENNICK 1/11/91
Company:	Company:	Analytical Technologies, Inc.

ATI Labs: San Diego (619)458-9141 • Phoenix (602)438-1530 • Seattle (206)228-8335 • Pensacola (904)474-1001 DISTRIBUTION: White, Canary - ATI • Pink - ORIGINATOR

Analytical Technologies, Inc. 560 Naches Avenue, S.W., Suite 101, Renton, WA 98055, (206) 228-8335

ATI I.D. # 9101-113

GeoEngineers

JAN 31 1991

Routing ITF

File

January 29, 1991

GeoEngineers, Inc.
2405 140th Avenue N.E.
Suite 105
Bellevue, WA 98005

Attention : Julia Fowler

Project Number : 0161-041-B04

Project Name : Unocal - Federal Way

On December 13, 1990, Analytical Technologies, Inc., received eight soil samples for analysis. The samples were analyzed with EPA methodology or equivalent methods as specified in the attached analytical schedule. The results, sample cross reference, and quality control data were issued on December 26, 1990, under ATI accession number 9012-122.

One sample was reaccessioned for additional tests on January 17, 1991. Enclosed is the report for the additional analyses.

Mary C. Silva
Senior Project Manager

Frederick W. Grothkopp
Technical Manager

FWG/elf

SAMPLE CROSS REFERENCE SHEET

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL - FEDERAL WAY

ATI #	CLIENT DESCRIPTION	DATE SAMPLED	MATRIX
9101-113-1	WO-8 (COMPOSITE)	12/13/90	SOIL

----- TOTALS -----

MATRIX	# SAMPLES
SOIL	1

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

ANALYTICAL SCHEDULE

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL - FEDERAL WAY

ANALYSIS	TECHNIQUE	REFERENCE	LAB
ARSENIC	AA/GF	EPA 7060	R
BARIUM	AA/F	EPA 7080	R
CADMIUM	AA/F	EPA 7130	R
CHROMIUM	AA/F	EPA 7190	R
LEAD	AA/F	EPA 7420	R
MERCURY	AA/COLD VAPOR	EPA 7470	R
SELENIUM	AA/GF	EPA 7740	R
SILVER	AA/F	EPA 7760	R

R = ATI - Renton
SD = ATI - San Diego
T = ATI - Tempe
PNR = ATI - Pensacola
FC = ATI - Fort Collins
SUB = Subcontract

TCLP
METALS ANALYSIS
TCLP EXTRACT

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL - FEDERAL WAY

ELEMENT	DATE PREPARED	DATE ANALYZED
ARSENIC	01/17/91	01/21/91
BARIUM	01/17/91	01/22/91
CADMIUM	01/17/91	01/21/91
CHROMIUM	01/17/91	01/21/91
LEAD	01/17/91	01/21/91
MERCURY	01/17/91	01/22/91
SELENIUM	01/17/91	01/21/91
SILVER	01/17/91	01/21/91

TCLP
METALS RESULTS

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL - FEDERAL WAY

MATRIX : TCLP EXTRACT
UNITS : mg/L

PARAMETER	WO-8 (COMPOSITE) -1	REAGENT BLANK
ARSENIC	<0.005	<0.005
BARIUM	0.27	<0.02
CADMIUM	<0.01	<0.01
CHROMIUM	<0.02	<0.02
LEAD	<0.1	<0.1
MERCURY	<0.0005	<0.0005
SELENIUM	<0.005	<0.005
SILVER	<0.02	<0.02

TCLP
METALS QUALITY CONTROL

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL - FEDERAL WAY

MATRIX : TCLP EXTRACT
UNITS : mg/L

COMPOUND	ATI I.D.	SAMPLE RESULT	DUP RESULT	RPD	SPIKED SAMPLE	SPIKE CONC	% REC
ARSENIC	9101-113-1	<0.005	<0.005	0	0.048	0.050	96
BARIUM	9101-113-1	0.27	0.27	0	2.49	2.50	89
CADMIUM	9101-113-1	<0.01	<0.01	0	0.51	0.50	102
CHROMIUM	9101-113-1	<0.02	<0.02	0	0.83	1.00	83
LEAD	9101-113-1	<0.1	<0.1	0	10.0	10.0	100
MERCURY	9101-113-1	<0.0005	<0.0005	0	0.0030	0.0020	150
SELENIUM	9101-113-1	<0.005	<0.005	0	0.051	0.050	102
SILVER	9101-113-1	<0.02	<0.02	0	0.91	1.00	91

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

Analytical Technologies, Inc.
560 Naches Avenue SW, Suite 101 Renton, WA 98055 (206)228-8335

9101-113

Chain of Custody

DATE 12-13-90 PAGE 1 OF 1

LABORATORY NUMBER: 9012-122

PROJECT MANAGER: Julia Fowler
COMPANY: GeoEngineers, Inc.
ADDRESS: 2405 140th Ave. NE, #105
Bellevue, WA 98005
PHONE: 746-5200 SAMPLED BY: Robert Miyahira

SAMPLE DISPOSAL INSTRUCTIONS
☒ ATI Disposal @ $5.00 each ☐ Return

SAMPLE ID	DATE	TIME	MATRIX	LAB ID
12' WO-1 (N base)	12-13-90	1305	Soil	1
7' WO-2 (N wall)		1310		2
2' WO-3 (N wall)		1310		3
12' WO-4 (W base)		1315		4
12' WO-5 (S base)		1315		5
13' WO-6 (center base)		1320		6
12' WO-7 (E base)		1320		7
WO-8 (composite)	↓	1330	↓	8

ANALYSIS REQUEST

SAMPLE ID	9010 Halogenated Volatiles	8020 Aromatic Volatiles	BETX ONLY	8240 GCMS Volatiles	8270 GCMS BNA	8310 HPLC PNA	8080 Pesticides & PCB's	PCB's ONLY	8140 Phosphate Pesticides	8150 Herbicides	WDOE PAH/HH (WAC 173)	418.1 (TPH)	413.2 Grease & Oil	8015 (Modified)	TOC 9060	TOX 9020	% Moisture	EP TOX Metals (8) EP EXT	Priority Pollutant Metals (13)	TCLP ONLY: 8080 Pesticide (4)	8240 ZH-EXT	8270	8150 Herbicides (2)	Metals (8)			NUMBER OF CONTAINERS
1												X		X													1
2												X		X													1
3												X		X													1
4												X		X													1
5												X		X													1
6												X		X													1
7												X		X											4/11/91 per fax		1
8												X		X											X		1

PROJECT INFORMATION
PROJECT NUMBER: 0161-041-B04
PROJECT NAME: Unocal - Federal Way
PURCHASE ORDER NUMBER:
ONGOING PROJECT? YES ☐ NO ☐

SAMPLE RECEIPT
TOTAL NUMBER OF CONTAINERS: 8
COC SEALS/INTACT? Y/N/NA: N/A
RECEIVED GOOD COND./COLD: ✓
RECEIVED VIA: Hand del

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS
TAT: (NORMAL) ☐ 2WKS (RUSH) ☒ 24HR ☐ 48 HRS ☐ 72 HRS ☐ 1 WK
GREATER THAN 24 HR. NOTICE? YES ☐ NO ☐ (LAB USE ONLY)

SPECIAL INSTRUCTIONS: contact Julia Fowler w/ results

For Unocal Service Station #6227

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Time: Robert Miyahira 1430	Signature: Time:	Signature: Time:
Printed Name: Date: Robert Miyahira 12-13-90	Printed Name: Date:	Printed Name: Date:
Company: GeoEngineers, Inc.	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: Time: T. Landreth 14:30	Signature: Time:	Signature: Time:
Printed Name: Date: T. Landreth 12/13/90	Printed Name: Date:	Printed Name: Date:
Company: ATI	Company:	Analytical Technologies, Inc.

DISTRIBUTION: White, Canary - ATI • Pink - ORIGINATOR

Analytical Technologies, Inc. 560 Naches Avenue, S.W., Suite 101, Renton, WA 98055, (206) 228-8335

ATI I.D. # 9101-003

GeoEngineers

FEB - 1 1991

Routing

File

January 31, 1991

GeoEngineers, Inc.
2405 140th Avenue N.E.
Suite 105
Bellevue, WA 98005

Attention : Terry Fisk

Project Number : 0161-041-B04

Project Name : Unocal-Federal Way

On January 2, 1991, Analytical Technologies, Inc., received 13 soil samples for analysis. The samples were analyzed with EPA methodology or equivalent methods as specified in the attached analytical schedule. The results, sample cross reference, and quality control data were issued on January 10, 1991.

Several of the samples were reaccessioned for additional tests on January 17, 1991. Additional analyses were also requested on January 24, 1991. Enclosed is the report for the additional analyses.

Mary C. Silva
Senior Project Manager

Frederick W. Grothkopp
Technical Manager

FWG/elf

SAMPLE CROSS REFERENCE SHEET

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL-FEDERAL WAY

ATI #	CLIENT DESCRIPTION	DATE SAMPLED	MATRIX
9101-003-1	SP-1 (GAS STOCKPILE-WEST)	12/31/90	SOIL
9101-003-2	SP-2 (GAS STOCKPILE-EAST)	12/31/90	SOIL
9101-003-3	PL-1 (SOUTH ISLAND-WEST)	12/31/90	SOIL
9101-003-4	PL-2 (SOUTH ISLAND-EAST)	12/31/90	SOIL
9101-003-5	PL-3 (NW ISLAND-NORTH)	12/31/90	SOIL
9101-003-6	PL-4 (NE ISLAND-SOUTH)	12/31/90	SOIL
9101-003-7	PL-5 (NW ISLAND-SOUTH)	12/31/90	SOIL
9101-003-8	G-1 (SOUTH BASE)	12/31/90	SOIL
9101-003-9	G-2 (SW BASE)	12/31/90	SOIL
9101-003-10	G-3 (NORTH BASE)	12/31/90	SOIL
9101-003-11	G-4 (NW BASE)	12/31/90	SOIL
9101-003-12	G-5 (EAST BASE)	12/31/90	SOIL
9101-003-13	WO-8 (NORTH BASE)	12/31/90	SOIL

----- TOTALS -----

MATRIX	# SAMPLES
SOIL	13

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

ANALYTICAL SCHEDULE

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL-FEDERAL WAY

ANALYSIS	TECHNIQUE	REFERENCE	LAB
BETX	GC/PID	EPA 8020	R
FUEL HYDROCARBONS	GC/FID	EPA 8015 MODIFIED	R
PETROLEUM HYDROCARBONS	IR	EPA 418.1	R
ARSENIC	AA/GF	EPA 7060	R
BARIUM	AA/F	EPA 7080	R
CADMIUM	AA/F	EPA 7130	R
CHROMIUM	AA/F	EPA 7190	R
LEAD	AA/F	EPA 7420	R
MERCURY	AA/COLD VAPOR	EPA 7470	R
SELENIUM	AA/GF	EPA 7740	R
SILVER	AA/F	EPA 7760	R
MOISTURE	GRAVIMETRIC	METHOD 7-2.2	R

R = ATI - Renton
SD = ATI - San Diego
T = ATI - Tempe
PNR = ATI - Pensacola
FC = ATI - Fort Collins
SUB = Subcontract

TCLP
METALS ANALYSIS
TCLP EXTRACT

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL-FEDERAL WAY

ELEMENT	DATE PREPARED	DATE ANALYZED
ARSENIC	01/17/91	01/21/91
BARIUM	01/17/91	01/22/91
CADMIUM	01/17/91	01/21/91
CHROMIUM	01/17/91	01/21/91
LEAD	01/17/91	01/21/91
MERCURY	01/17/91	01/22/91
SELENIUM	01/17/91	01/21/91
SILVER	01/17/91	01/21/91

TCLP
METALS RESULTS

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL-FEDERAL WAY

MATRIX : TCLP EXTRACT
UNITS : mg/L

PARAMETER	WO-8 (NORTH BASE) -13	REAGENT BLANK
ARSENIC	<0.005	<0.005
BARIUM	0.50	<0.02
CADMIUM	<0.01	<0.01
CHROMIUM	<0.02	<0.02
LEAD	<0.1	<0.1
MERCURY	<0.0005	<0.0005
SELENIUM	<0.005	<0.005
SILVER	<0.02	<0.02

TCLP
METALS QUALITY CONTROL

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL-FEDERAL WAY

MATRIX : TCLP EXTRACT
UNITS : mg/L

COMPOUND	ATI I.D.	SAMPLE RESULT	DUP RESULT	RPD	SPIKED SAMPLE	SPIKE CONC	% REC
ARSENIC	9101-113-1	<0.005	<0.005	0	0.048	0.050	96
BARIUM	9101-113-1	0.27	0.27	0	2.49	2.50	89
CADMIUM	9101-113-1	<0.01	<0.01	0	0.51	0.50	102
CHROMIUM	9101-113-1	<0.02	<0.02	0	0.83	1.00	83
LEAD	9101-113-1	<0.1	<0.1	0	10.0	10.0	100
MERCURY	9101-113-1	<0.0005	<0.0005	0	0.0030	0.0020	150
SELENIUM	9101-113-1	<0.005	<0.005	0	0.051	0.050	102
SILVER	9101-113-1	<0.02	<0.02	0	0.91	1.00	91

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

METALS ANALYSIS
SOIL

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL-FEDERAL WAY

ELEMENT	DATE PREPARED	DATE ANALYZED
LEAD	01/18/91	01/18/91
LEAD	01/25/91	01/25/91

METALS RESULTS

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL-FEDERAL WAY

MATRIX : SOIL
UNITS : mg/Kg

ATI I.D. #	CLIENT I.D.	LEAD
9101-003-1	SP-1 (GAS STOCKPILE-WEST)	<10
9101-003-8	G-1 (SOUTH BASE)	<10
9101-003-9	G-2 (SW BASE)	<10
9101-003-10	G-3 (NORTH BASE)	770
9101-003-11	G-4 (NW BASE)	460
9101-003-12	G-5 (EAST BASE)	<10
REAGENT BLANK (01/18/91)		<10
REAGENT BLANK (01/25/91)		<10

METALS QUALITY CONTROL

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL-FEDERAL WAY

MATRIX : SOIL
UNITS : mg/Kg

PARAMETER	ATI I.D.	SAMPLE RESULT	DUP RESULT	RPD	SPIKED SAMPLE	SPIKE CONC	% REC
LEAD	9101-092-9	<10	<10	0	250	260	96
LEAD	9101-172-2	<10	<10	0	280	280	100

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

Analytical Technologies, Inc.
560 Naches Avenue SW, Suite 101 Renton, WA 98055 (206)228-8335

Chain of Custody

DATE 12-31-90 PAGE 1 OF 2

LABORATORY NUMBER: 9101-003

PROJECT MANAGER: Terry Fisk
COMPANY: GeoEngineers, Inc.
ADDRESS: 2405 140th Ave. NE, #105
Bellevue, WA 98005
PHONE: 746-5200 SAMPLED BY: Robert N. Miyahira

SAMPLE DISPOSAL INSTRUCTIONS
☒ ATI Disposal @ $5.00 each ☐ Return

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	8010 Halogenated Volatiles	8020 Aromatic Volatiles	BETX ONLY	8240 GCMS Volatiles	8270 GCMS BNA	8310 HPLC PNA	8080 Pesticides & PCB's	PCB's ONLY	8140 Phosphate Pesticides	8150 Herbicides	WDOE PAH/H (WAC 173)	418.1 (TPH)	413.2 Grease & Oil	8015 (Modified)	TOC 9060	TOX 9020	% Moisture	EP TOX Metals (8) EP EXT	Priority Pollutant Metals (13)	TCLP ONLY: 8080 Pesticides (4)	8240 ZH-EXT	8270	8150 Herbicides (2)	Metals (8)	Total Pb		NUMBER OF CONTAINERS
composite SP-1 (gas stockpile-west)	12-31-90	1105	Soil	-1			X											X											X		1
composite SP-2 (gas stockpile-east)		1110		-2			X											X													1
3' PL-1 (south island-west)		1355		-3			X											X													1
2½' PL-2 (south island-east)		1400		-4			X											X													1
3' PL-3 (NW island-north)		1435		-5			X											X													1
3' PL-4 (NE island-south)		1445		-6			X											X													1
2½' PL-5 (NW island-south)		1505		-7			X											X													1
13' G-1 (south base)		1420		-8			X											X											✓	½	1
14' G-2 (SW base)		1430		-9			X											X											X		1
14' G-3 (north base)		1450		-10			X											X											X		1
13' G-4 (NW base)		1500		-11			X											X											✓	½	1
13' G-5 (east base)	↓	1520	↓	-12			X											X											✓	½	1

ANALYSIS REQUEST

PROJECT INFORMATION
PROJECT NUMBER: 0161-041-B04
PROJECT NAME: Unocal - Federal Way
PURCHASE ORDER NUMBER:
ONGOING PROJECT? YES ☒ NO ☐

SAMPLE RECEIPT
TOTAL NUMBER OF CONTAINERS: 13
COC SEALS/INTACT? Y/N/NA: Y / NONE
RECEIVED GOOD COND./COLD: 4
RECEIVED VIA: Courier

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS
TAT: (NORMAL) ☐ 2WKS (RUSH) ☒ 24HR ☐ 48 HRS ☐ 72 HRS ☐ 1 WK
GREATER THAN 24 HR. NOTICE? YES ☐ NO ☐ (LAB USE ONLY)

SPECIAL INSTRUCTIONS: Contact Terry Fisk with results

For Unocal Service Station #6227

RELINQUISHED BY: 1	RELINQUISHED BY: 2	RELINQUISHED BY: 3
Signature: Time: Robert Miyahira 1730	Signature: Time:	Signature: Time:
Printed Name: Date: Robert Miyahira 12-31-90	Printed Name: Date:	Printed Name: Date:
Company: GeoEngineers, Inc	Company:	Company:
RECEIVED BY: 1	**RECEIVED BY: 2**	**RECEIVED BY: (LAB) 3**
Signature: Time: D.L. Thomas 10:45	Signature: Time:	Signature: Time:
Printed Name: Date: D.L. Thomas 1-2-91	Printed Name: Date:	Printed Name: Date:
Company: ATI	Company:	Analytical Technologies, Inc.

ATI Labs: San Diego (619)458-9141 • Phoenix (602)438-1530 • Seattle (206)228-8335 • Pensacola (904)474-1001 DISTRIBUTION: White, Canary - ATI • Pink - ORIGINATOR

DATE 12-31-90 PAGE 2 OF 2

AnalyticalTechnologies,Inc.

560 Naches Avenue SW, Suite 101 Renton,WA 98055 (206)228-8335

Chain of Custody LABORATORY NUMBER: 9101-003

PROJECT MANAGER: Terry Fisk
COMPANY: GeoEngineers, Inc.
ADDRESS: 2405 140th Ave. NE, #105
Bellevue, WA 98005
PHONE: 746-5200 SAMPLED BY: Robert N. Miyahira

SAMPLE DISPOSAL INSTRUCTIONS

☒ ATI Disposal @ $5.00 each ☐ Return

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID
12½' WD-8 (north base)	12-31-90	1530	Soil	-13

8010 Halogenated Volatiles	8020 Aromatic Volatiles	BETX ONLY	8240 GCMS Volatiles	8270 GCMS BNA	8310 HPLC PNA	8080 Pesticides & PCB's	PCB's ONLY	8140 Phosphate Pesticides	8150 Herbicides	WDOE PAH/HH (WAC 173)	418.1 (TPH)	413.2 Grease & Oil	9015 (Modified)	TOC 9060	TOX 9020	% Moisture	EP TOX Metals (8) EP EXT	Priority Pollutant Metals (13)	TCLP ONLY: 8060 Pesticide (4)	8240 ZH-EXT	8270	8150 Herbicides (2)	Metals (6)			NUMBER OF CONTAINERS
											X		X											X			1
																								Zn			
																								Ni			

PROJECT INFORMATION

PROJECT NUMBER: 0161-041-804
PROJECT NAME: Unocal - Federal Way
PURCHASE ORDER NUMBER:
ONGOING PROJECT? YES ☒ NO ☐

SAMPLE RECEIPT

TOTAL NUMBER OF CONTAINERS: 13
COC SEALS/INTACT? Y/N/NA: Y/N/A
RECEIVED GOOD COND./COLD: 4
RECEIVED VIA: Courier

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

TAT: (NORMAL) ☐ 2WKS (RUSH) ☒ 24HR ☐ 48 HRS ☐ 72 HRS ☐ 1 WK
GREATER THAN 24 HR. NOTICE? YES ☐ NO ☐ (LAB USE ONLY)

SPECIAL INSTRUCTIONS: Contact Terry Fisk with results

For Unocal Service Station #6227

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Time: 1730	Signature: Time:	Signature: Time:
Printed Name: Robert Miyahira Date: 12-31-90	Printed Name: Date:	Printed Name: Date:
Company: GeoEngineers In	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: Time: 10145	Signature: Time:	Signature: Time:
Printed Name: DL Thomas Date: 1-2-91	Printed Name: Date:	Printed Name: Date:
Company: ATI	Company:	Analytical Technologies, Inc.

ORI DR

SOUND ANALYTICAL SERVICES, INC.

SPECIALIZING IN INDUSTRIAL & TOXIC WASTE ANALYSIS

4813 PACIFIC HIGHWAY EAST, TACOMA, WASHINGTON 98424 - TELEPHONE (206)922-2310 - FAX (206)922-5047

Report To: GeoEngineers, Inc. Date: February 1991

Report On: Analysis of Soil Lab No.: 15745

GeoEngineers
FEB - 6 1991
Routing

IDENTIFICATION:
Samples Received on 01-31-91
Project: Unocal #6227 Federal Way

ANALYSIS:

Lab Sample No.	Client ID	Total Lead, ppm
1	GSP-5	< 1.2
2	GSP-6	< 1.2
3	GSP-7	2.8
4	G-6	14.8
5	G-7	23.4
6	G-8	11.0
7	GSP-8	44.2

Lab Sample No. 6 Client ID: G-8

	Concentration, ppm
Benzene	< 0.05
Toluene	< 0.05
Ethyl Benzene	< 0.05
Xylenes	< 0.05

BTEX by EPA SW-846
Method 8020

Total Petroleum Fuel Hydrocarbons by EPA SW-846 Modified Method 8015: < 10

Note - BTEX and TPH 8015 results reported on as as received, wet basis.

SOUND ANALYTICAL SERVICES

STAN P. PALMQUIST

This report is issued solely for the use of the person or company to whom it is addressed. This laboratory accepts responsibility only for the due performance of analysis in accordance with industry acceptable practice. In no event shall Sound Analytical Services, Inc. or its employees be responsible for consequential or special damages in any kind or in any amount.

SOUND ANALYTICAL SERVICES, INC.

SPECIALIZING IN INDUSTRIAL & TOXIC WASTE ANALYSIS

4813 PACIFIC HIGHWAY EAST, TACOMA, WASHINGTON 98424 - TELEPHONE (206)922-2310 - FAX (206)922-5047

QUALITY CONTROL REPORT

DUPLICATES

Lab No: 15745 (1)
Date: February 1, 1991
Client: GeoEngineers, Inc.

Client ID: GSP-5
Matrix: Soil
Units: ppm

Compound	Sample(S)	Duplicate(D)	RPD*
Total Lead	< 1.2	< 1.2	---

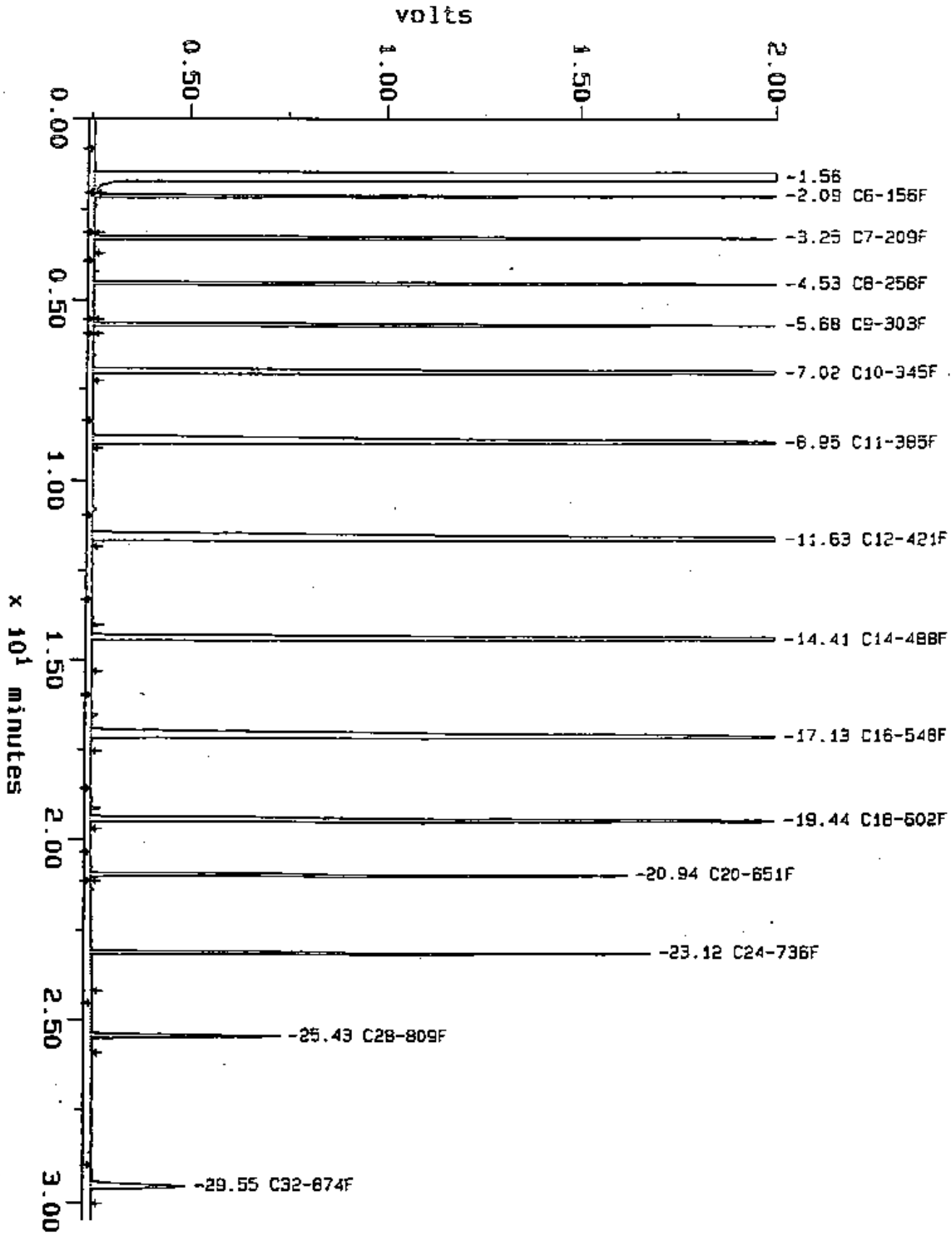
Lab No: 15745 (6)
Date: February 1, 1991
Client: GeoEngineers, Inc.

Client ID: G-8
Matrix: Soil
Units: ppm

Compound	Sample(S)	Duplicate(D)	RPD*
Benzene	< 0.05	< 0.05	---
Toluene	< 0.05	< 0.05	---
Ethyl Benzene	< 0.05	< 0.05	---
Xylenes	< 0.05	< 0.05	---
Total Petroleum Hydrocarbons	< 10	< 10	---

*RPD = relative percent difference
= [(S - D) / ((S + D) / 2)] x 100

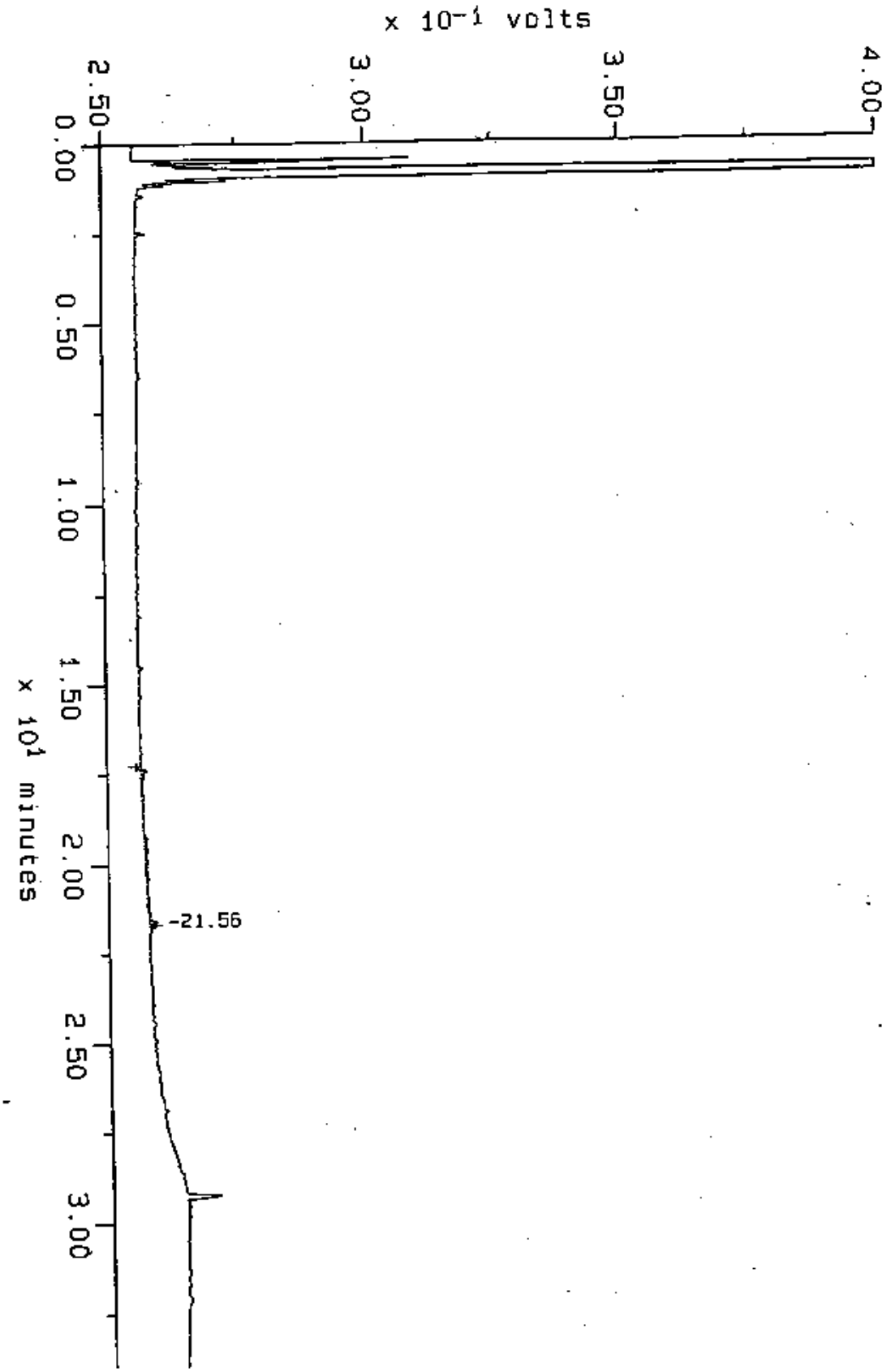
Sample: CALB STD Channel: detector ; Filename: CS3
Acquired: 07-SEP-90 14:50 Method: C:\MAX\DATA4\80150 Operator:



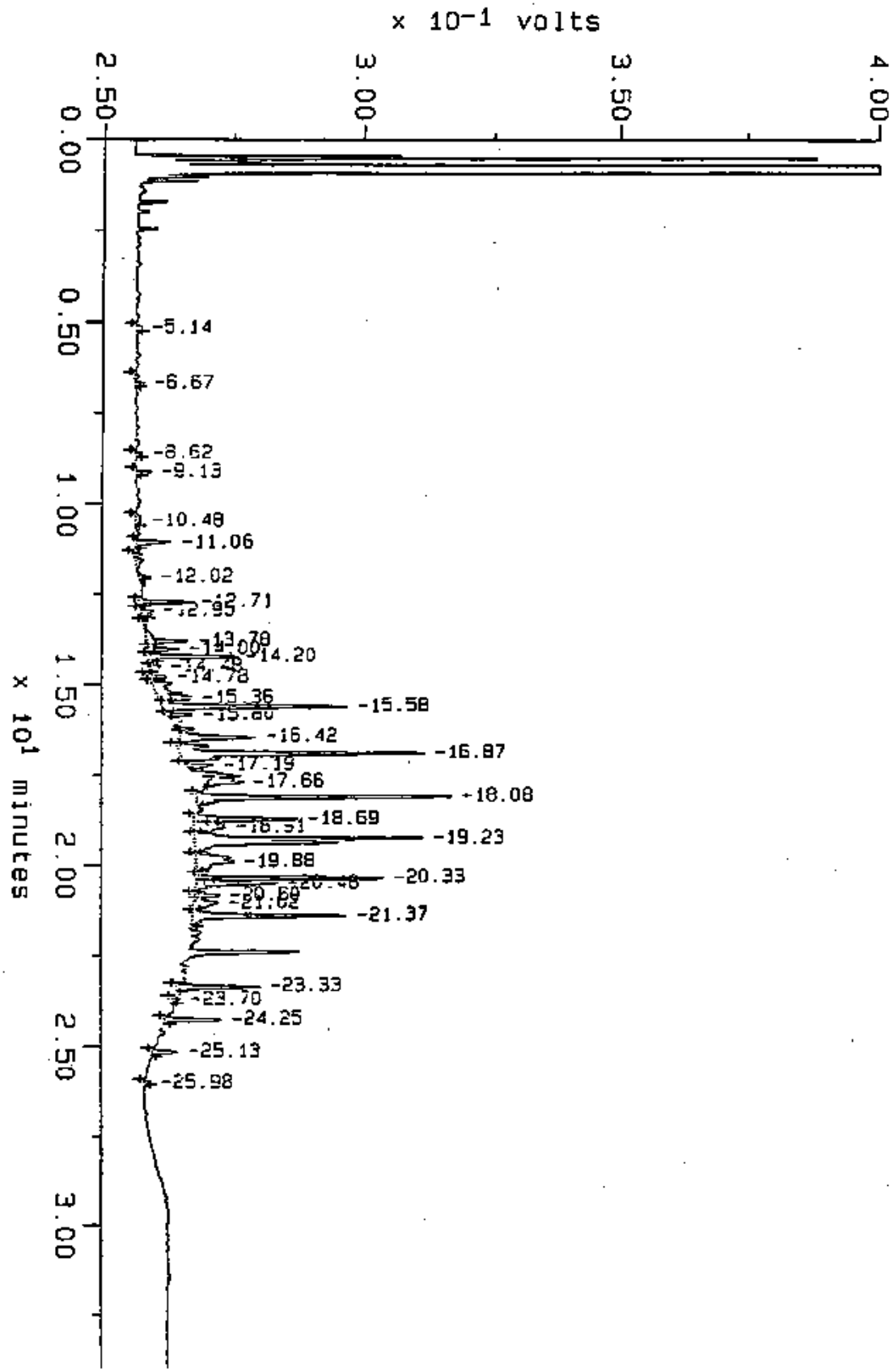
Sample: BLANK
Acquired: 18-JAN-91 19:27

Channel: detector 1
Method: C:\MAX\DATA4\80150

Filename: BL1
Operator:



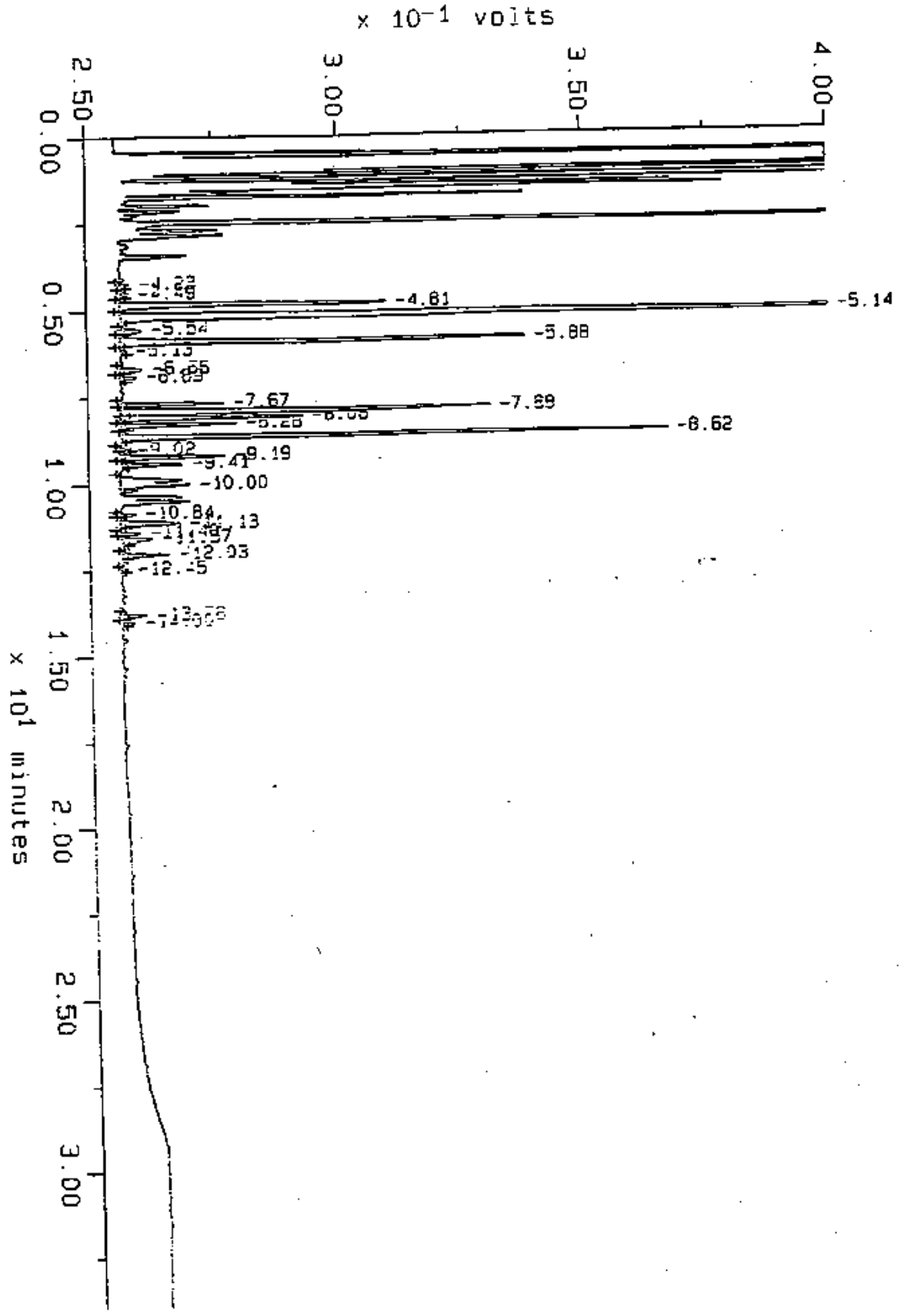
Sample: 1000IESEL
Acquired: 19-JAN-91 1:47
Channel: detector 1
Method: C:\MAX\DATA4\80150
Filename: 1000IE7
Operator:



Sample: 100GAS
Acquired: 18-JAN-91 20:10

Channel: detector 1
Method: C:\MAX\DATA4\8015D

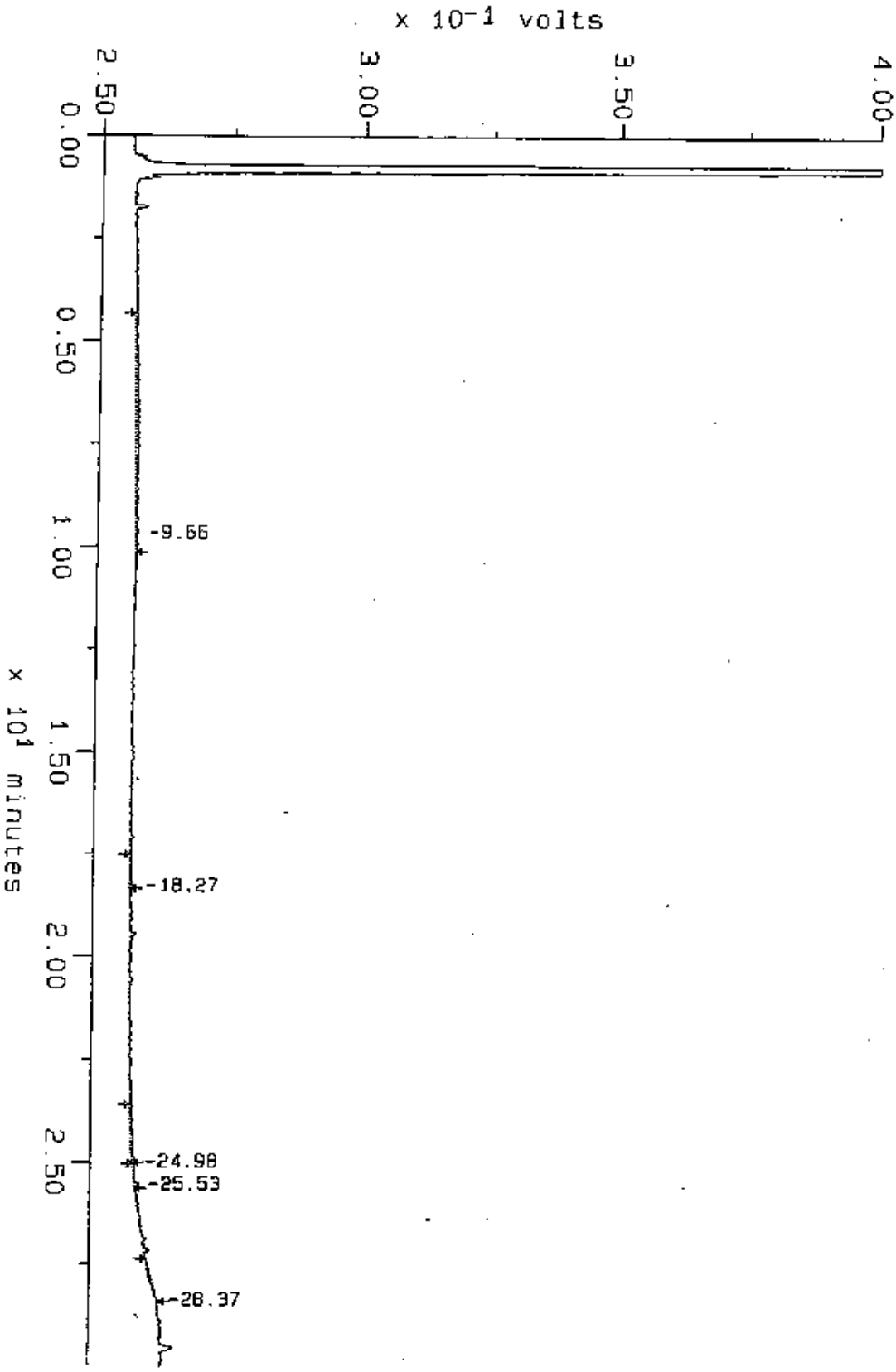
Filename: 100GAS7
Operator:



Sample: 15745-6
Acquired: 31-JAN-91 22:54
Dilution: 1 : 10.000

Channel: detector 1
Method: C:\MAX\DATA4\B015
Amount: 1.988

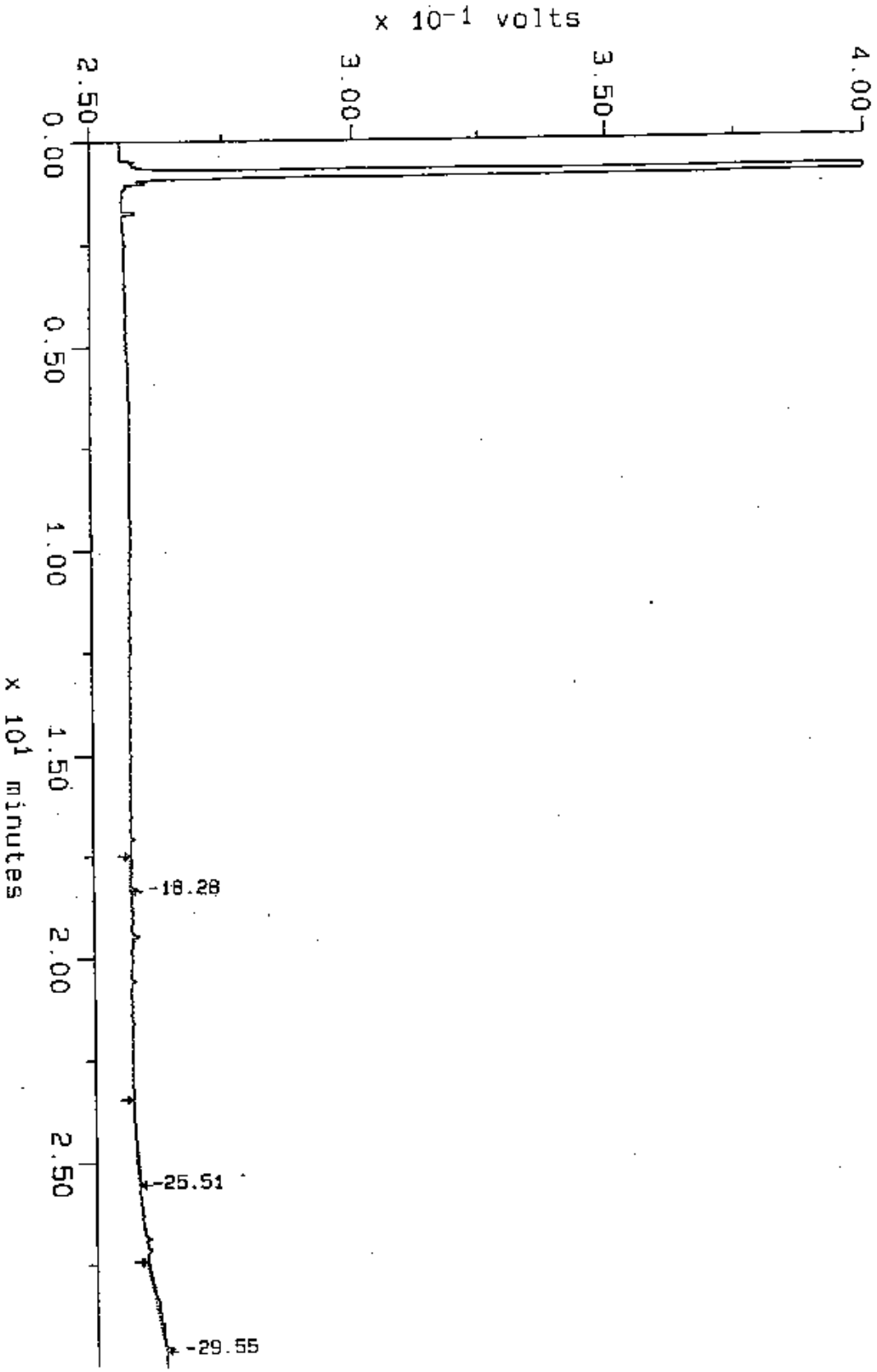
Filename: 15745-6
Operator:



Sample: 15745-60
Acquired: 31-JAN-91 23:31
Dilution: 1 : 10.000

Channel: detector 1
Method: C:\MAX\DATA4\8015
Amount: 2.501

Filename: 15745-60
Operator:



Analytical Technologies, Inc. 560 Naches Avenue, S.W., Suite 101, Renton, WA 98055, (206) 228-8335

ATI I.D. # 9101-172

GeoEngineers
FEB 07 1991
Routing
File

February 5, 1991

GeoEngineers, Inc.
2405 140th Avenue N.E.
Suite 105
Bellevue, WA 98005

Attention : Terry Fisk

Project Number : 0161-041-B04

Project Name : Unocal Federal Way

On January 10, 1991, Analytical Technologies, Inc., received eight soil samples for analysis. The samples were analyzed with EPA methodology or equivalent methods as specified in the attached analytical schedule. The results, sample cross reference, and quality control data were issued under ATI accession number 9101-053 on January 16, 1991.

Two samples were reaccessioned for additional tests on January 24, 1991. Enclosed is the report for the additional analyses.

Mary C. Silva
Senior Project Manager

Frederick W. Grothkopp
Technical Manager

FWG/elf

SAMPLE CROSS REFERENCE SHEET

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL FEDERAL WAY

ATI #	CLIENT DESCRIPTION	DATE SAMPLED	MATRIX
9101-172-1	910109-PL-6	01/09/91	SOIL
9101-172-2	910109-G-SP-B	01/09/91	SOIL

----- TOTALS -----

MATRIX	# SAMPLES
SOIL	2

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

ANALYTICAL SCHEDULE

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL FEDERAL WAY

ANALYSIS	TECHNIQUE	REFERENCE	LAB
LEAD	AA/F	EPA 7420	R
MOISTURE	GRAVIMETRIC	METHOD 7-2.2	R

R = ATI - Renton
SD = ATI - San Diego
T = ATI - Tempe
PNR = ATI - Pensacola
FC = ATI - Fort Collins
SUB = Subcontract

METALS ANALYSIS
SOIL

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL FEDERAL WAY

ELEMENT	DATE PREPARED	DATE ANALYZED
LEAD	01/25/91	01/25/91

METALS RESULTS

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL FEDERAL WAY

MATRIX : SOIL
UNITS : mg/Kg

ATI I.D. #	CLIENT I.D.	LEAD
9101-172-1	910109-PL-6	<10
9101-172-2	910109-G-SP-B	<10
REAGENT BLANK	-	<10

METALS QUALITY CONTROL

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL FEDERAL WAY

MATRIX : SOIL

UNITS : mg/Kg

PARAMETER	ATI I.D.	SAMPLE RESULT	DUP RESULT	RPD	SPIKED SAMPLE	SPIKE CONC	% REC
LEAD	9101-172-2	<10	<10	0	280	280	100

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GENERAL CHEMISTRY
SOIL

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL FEDERAL WAY

ANALYSIS	DATE ANALYZED
MOISTURE	01/10/91

GENERAL CHEMISTRY RESULTS

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL FEDERAL WAY

MATRIX : SOIL
UNITS : %

ATI I.D.#	CLIENT I.D.	MOISTURE
9101-172-1	910109-PL-6	13
9101-172-2	910109-G-SP-B	11

GENERAL CHEMISTRY QUALITY CONTROL

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL FEDERAL WAY

MATRIX : SOIL
UNITS : %

PARAMETER	ATI I.D.	SAMPLE RESULT	DUP RESULT	RPD	SPIKED RESULT	SPIKE ADDED	% REC
MOISTURE	9101-059-2	16	17	6	N/A	N/A	N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

Analytical Technologies, Inc.
560 Naches Avenue SW, Suite 101 Renton, WA 98055 (206)228-8335

Chain of Custody

9101-172

DATE 1/9/91 PAGE ___ OF ___

LABORATORY NUMBER: 9101-053

PROJECT MANAGER: JERRY FISK
COMPANY: GEO ENGINEERS
ADDRESS: 2405 140TH AVE NE STE 105
BELLEVUE, WA 98005
PHONE: 746-5200 SAMPLED BY: DEH

SAMPLE DISPOSAL INSTRUCTIONS
☒ ATI Disposal @ $5.00 each ☐ Return

needs logged 9101-172

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	8010 Halogenated Volatiles	8020 Aromatic Volatiles	BETX ONLY	8240 GC/MS Volatiles	8270 GC/MS BNA	8310 HPLC PNA	8080 Pesticides & PCB's	PCB's ONLY	8140 Phosphate Pesticides	8150 Herbicides	WDOE PAH/HH (WAC 173)	418.1 (TPH)	413.2 Grease & Oil	8015 (Modified)	TOC 9060	TOX 9020	% Moisture	EP TOX Metals (6) EP EXT	Priority Pollutant Metals (13)	TCLP ONLY: 8080 Pesticide (4)	TCLP ONLY: 8240 ZH-EXT	TCLP ONLY: 8270	TCLP ONLY: 8150 Herbicides (2)	TCLP ONLY: Metals (8) 9101-172	TOTAL LEAD		NUMBER OF CONTAINERS
-1 910109-PL-6	1/9/91	1250	SOIL	1			X											X											X		1
910109-PL-7		1235	SOIL	2			X											X													1
910109-PL-8		1240	SOIL	3			X											X													1
910109-PL-SP		1300	SOIL	4			X											X													1
910109-VW-1		1330	SOIL	5												X		X													1
910109-VW-2		1600	SOIL	6												X		X													1
910109-G-SP-A		1400	SOIL	7			X											X													1
-2 910109-G-SP-B	✓	1435	SOIL	8			X											X											X		1

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJECT NUMBER:	0161-041-B04	TOTAL NUMBER OF CONTAINERS	8
PROJECT NAME:	UNOCAL FERNDALE	COC SEALS/INTACT? Y/N/NA	N/NA
PURCHASE ORDER NUMBER:		RECEIVED GOOD COND./COLD	4/4
ONGOING PROJECT?	YES ☒ NO ☐	RECEIVED VIA:	Hand Del

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

TAT: (NORMAL) ☐ 2WKS (RUSH) ☒ 24HR ☐ 48 HRS ☐ 72 HRS ☐ 1 WK

GREATER THAN 24 HR. NOTICE? YES ☒ NO ☐ (LAB USE ONLY)

SPECIAL INSTRUCTIONS: SS#6227
Send results to Jerry Fisk @ GEI

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Time:	Signature: Time:	Signature: Time:
Printed Name: Date: 1/10/91 DONALD HANSON	Printed Name: Date:	Printed Name: Date:
Company: GEI	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: Time:	Signature: Time:	Signature: Time: 1005
Printed Name: Date:	Printed Name: Date:	Printed Name: Date: V. ANNICK 1/10/91
Company:	Company:	Analytical Technologies, Inc.

APPENDIX F

LETTER REPORT LIMITED PHASE II INVESTIGATION SHELL SERVICE STATION AND MINI-MART 29625 PACIFIC HIGHWAY SOUTH, FEDERAL WAY, WASHINGTON

Assessment and Remediation Consulting Services
P.O. Box 2171
Issaquah, Washington 98027
Phone (425) 837-0220 / Fax (425) 369-8606
E-mail: eric_chapman@msn.com

ARCS

April 9, 2001

Mr. Bob Fadden
CityBank
P.O. Box 97007
Lynnwood, Washington 98046

Subject: Letter Report – Limited Phase II Investigation
Shell Service Station and Mini-Mart
29625 Pacific Highway South, Federal Way, Washington

Dear Mr. Fadden:

Assessment and Remediation Consulting Services (ARCS) is pleased to present this letter report that documents the limited subsurface investigation (Phase II) activities conducted at the above-referenced gasoline station and convenience store in Federal Way, Washington. Provided in this report is the following information:

- a brief description of the site setting and background;
- methods used to conduct the Phase II sampling;
- laboratory analytical methods and results; and
- summary and conclusions.

Included as attachments to this letter report is a vicinity map, a site diagram depicting sampling locations, soil boring logs, and laboratory data sheets with chain-of-custody documentation. Mr. Eric Chapman of ARCS conducted the fieldwork in support of this project and prepared this report.

The scope of work for this project included collecting subsurface soil samples around the underground storage tank (UST) and fuel island areas. The scope of work is described in our proposal and contract dated March 23, 2001. This work was done in accordance with the contract and ARCS' General Terms and Conditions. Written authorization to proceed with this project was received from Mr. George Stears on April 29, 2001.

SITE SETTING AND BACKGROUND INFORMATION

The subject property is located in the north portion of Federal Way, King County, Washington (see Vicinity Map). Improvements to the property include the convenience store building, a canopy, fuel islands, and paved driveways/parking areas (see Site Diagram). The north portion of the property is an undeveloped area covered by vegetation, and is approximately 15 to 20 feet lower in elevation than the gasoline station. According to the property owner, a bioswale that treats storm water drainage from the parking area is located on this portion of the property.

The local topography slopes from the south/southeast to the northwest towards Poverty Bay. Information obtained from nearby water wells indicates that the depth to ground water ranges from 55 to over 150 feet below ground surface, with a reported flow direction to the north/northwest.

The subject property has reportedly been occupied by a gasoline service station since the early 1970s. In 1989, three underground storage tanks (USTs) were removed from the subject property. A release of petroleum products to soil was reported to Ecology at the time of the removals. According to the property owner, the soil contamination was limited to the tank area and was cleanup up at the time of the removals.

Three new USTs were installed in 1995. At the time of the installations, all of the fuel dispensers and piping were upgraded. An automatic leak detection system that monitors the tanks and piping is located in the site office. The property owner has reported no known releases or losses of product from the USTs, piping or dispensers.

SUMMARY OF FIELD ACTIVITIES

ARCS' was retained to conduct subsurface sampling activities at this site in support of the potential sale of the business and property. The purpose of the sampling is to determine if any obvious indications of gasoline contamination exist in subsurface soils and/or ground water. This section describes the methods used to collect samples from the site.

- ***SAMPLING METHODS AND SOIL CHARACTERIZATION***

Sampling activities were conducted on April 3, 2001. ARCS subcontracted with Environmental Services Network Northwest (ESN) to advance temporary soil borings at the site using a Strataprobe rig. The Strataprobe rig uses direct-push techniques to advance a steel sampling probe into subsurface soils. Following the completion of each soil boring, the sampler and all steel rods used for the boring were decontaminated using a solution of Alconox™ and water, followed by a thorough rinse with clean water. After sampling, the temporary borings were filled with bentonite chips and then sealed with cold patch asphalt.

Prior to conducting the subsurface sampling activities, a utility locate was requested to identify any underground utilities on the property. The locate identified buried electrical, gas and water lines leading to the property from Redondo Road, Dash Point Road, and Pacific Highway South. In addition to the identified utilities, the property owner stated that other "unmarked" underground lines were located near the planned sampling locations. The presence of unknown underground utilities and piping limited the number of sampling locations from the original scope of five borings to four borings.

Four soil borings were advanced at the site (FWS-B1 through FWS-B4), as indicated on the Site Diagram. Soil borings FWS-B1 and B2 were advanced on the north side of the UST area, to a depth of 18 feet below ground surface (bgs). Boring FWS-B3 was advanced on the west side of the dispenser island, to a depth of 9 feet bsg. Borings FWS-B4 was advanced on the north portion of the lot, adjacent to the bioswale, to a depth 18 feet bsg. Please note that boring FWS-B4 is located at an elevation of approximately 15 to 20 feet below the elevation of the gas station, effectively making this boring 30 to 35 feet below the grade of the station parking area.

A split-spoon sampler was used to recover continuous soil samples at 3-foot intervals. Soils encountered in the borings consisted of well graded, fine to medium-grained silty sand with gravels and cobbles. Soils recovered from the borings were moist, but ground water was not encountered in any of the borings. No staining or fuel-type odors were observed in the soils recovered from the borings. Soil boring logs that include soil characterization information are presented in Attachment A.

- ***FIELD SCREENING AND SAMPLE COLLECTION***

Soil samples were collected from selected depths in each boring. A portion of each sample interval was placed into a plastic bag for headspace screening and characterization using a photo-ionization detector (PID) calibrated to an isobutylene standard. A separate portion of each sample interval was reserved for laboratory analysis. None of the soils recovered from the borings exhibited staining or odors indicative of petroleum contamination.

Soil samples reserved for analysis were placed into 4-ounce glass containers supplied by the laboratory. Each sample was labeled and then placed in an ice-filled cooler pending transport to the laboratory. Laboratory analytical methods and results are discussed in the following section of this report.

LABORATORY ANALYTICAL METHODS AND RESULTS

Soil samples collected from the temporary borings were transported under standard chain-of-custody protocol to ESN's laboratory in Lacey, Washington. Samples from each boring were analyzed for gasoline-range total petroleum hydrocarbons (TPH-G) by Washington State Method WTPH-G and for benzene, toluene, ethyl benzene and xylenes (BTEX) by EPA Method 8021B. The laboratory results, summarized in Table 1, indicate that none of the samples submitted for

analysis contained detectable concentrations of WTPH-G or BTEX. Laboratory data sheets and chain-of-custody documentation are presented in Attachment B.

Table 1
Dash Point Shell - Soil Analytical Results (mg/kg)

Sample ID	Description	Analysis Parameters & Results (mg/kg)				
		TPH-G	Benzene	Toluene	Ethyl Benzene	Xylenes
FWS-SB1-18'	Boring B1 at 18 feet bsg.	nd[3]	nd	nd	nd	nd
FWS-SB2-15'	Boring B2 at 15 feet bsg.	nd	nd	nd	nd	nd
FWS-SB2-18'	Boring B2 at 18 feet bsg.	nd	nd	nd	nd	nd
FWS-SB3-5'	Boring B3 at 5 feet bsg.	nd	nd	nd	nd	nd
FWS-SB4-16'	Boring B4 at 16 feet bsg.	nd	nd	nd	nd	nd
Laboratory Method Detection Limits[1]		5	0.05	0.05	0.05	0.05
Ecology Cleanup Levels[2]		100	0.5	40	20	20

Notes:
1. *Laboratory method detection limits. See laboratory data sheets for additional information.*
2. *Ecology Model Toxics Control Act (MTCA) Method A Cleanup Levels – Soil (Chapter 173-340-740(2)(a)(i) WAC.*
3. *ND = Not detected at or above the laboratory method detection limits. See laboratory data sheets for detection limits.*

SUMMARY AND CONCLUSIONS

This report documents the limited Phase II sampling activities conducted by ARCS at the Shell Service Station and Mini-Mart located at 29625 Pacific Highway South in Federal Way, Washington. This work was conducted on behalf of Mr. George Stears and Citybank in accordance with the terms and conditions of our contract.

Four temporary borings were advanced near the USTs, fuel island and undeveloped area on the north portion of the site. Ground water was not encountered in any of the borings, the deepest of which was advanced to depth of more than 30 feet below the grade of the station. Field screening did not detect the presence of petroleum staining or odors in any of the soils recovered from the borings. Laboratory analytical results indicated that none of the samples submitted for analysis contained detectable concentrations of gasoline–range petroleum hydrocarbons or BTEX.

Based on field observations and laboratory data, there are no obvious indications of a release at this site. At this time, no additional investigation activities are recommended.

LIMITATIONS OF STUDY

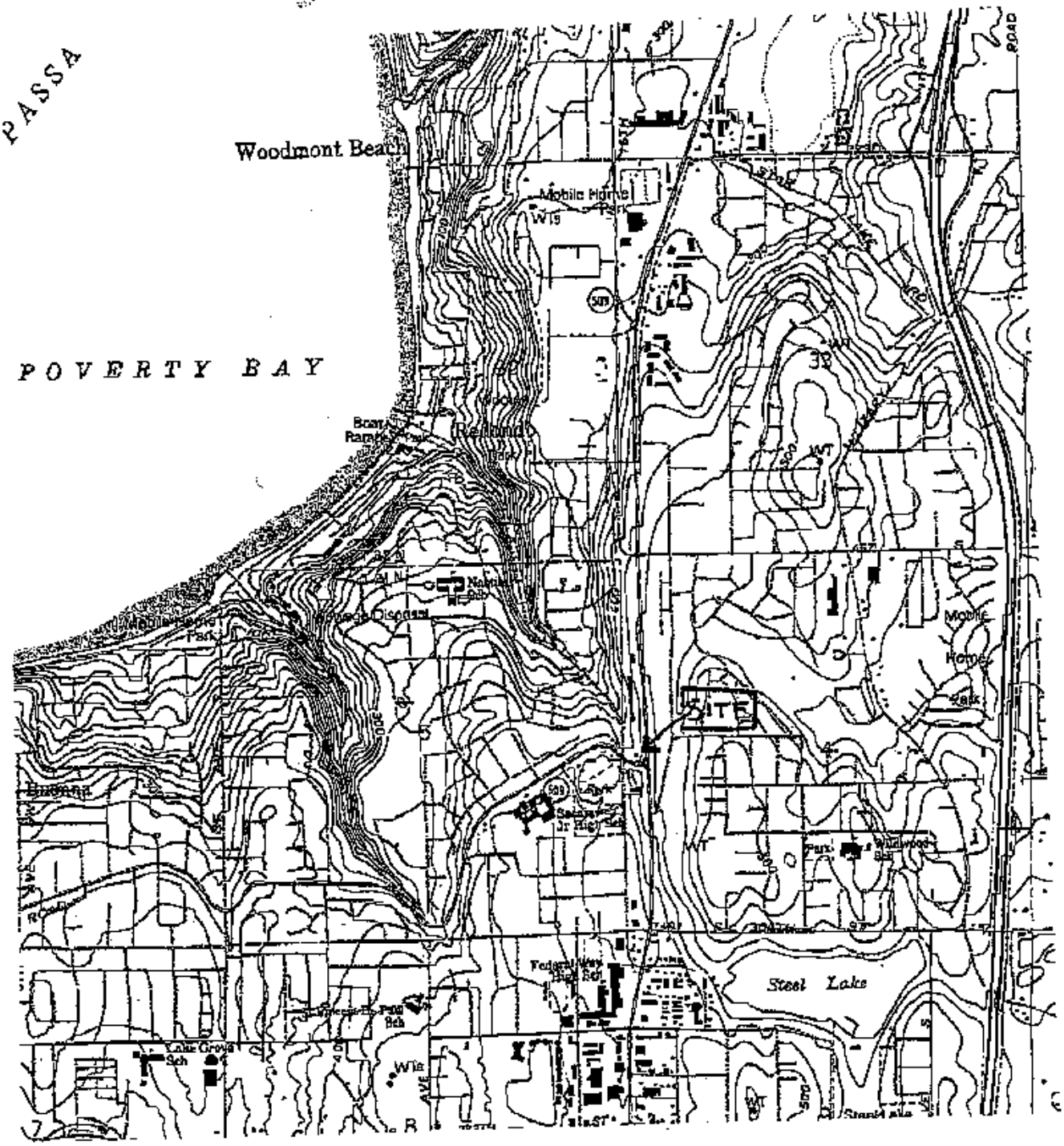
A limited environmental assessment was conducted at this site. Conditions outside of the sampling areas may vary from those observed. A potential always remains for the presence of unknown, unidentified, unexpected, or unforeseen surface or subsurface contamination, or adverse subsurface conditions. Further evidence against such potential site contamination or adverse conditions would require appropriate subsurface exploration and testing. The conclusions, expectations, and recommendations presented in this report are our professional opinion based on our interpretation of information currently available to us. No warranty, express or implied, is made. This information should not be construed as legal advice.

It is our pleasure to provide this service for you. If you have any questions regarding this letter report, please call me at (425) 837-0220.

Sincerely,

Eric K. Chapman, CHMM
Principal / Environmental Scientist

Enclosure: Attachment A – Soil Boring Logs
Attachment B – Laboratory Data Sheets



N

Date: December 1, 2000

Assessment and Remediation Consulting Services

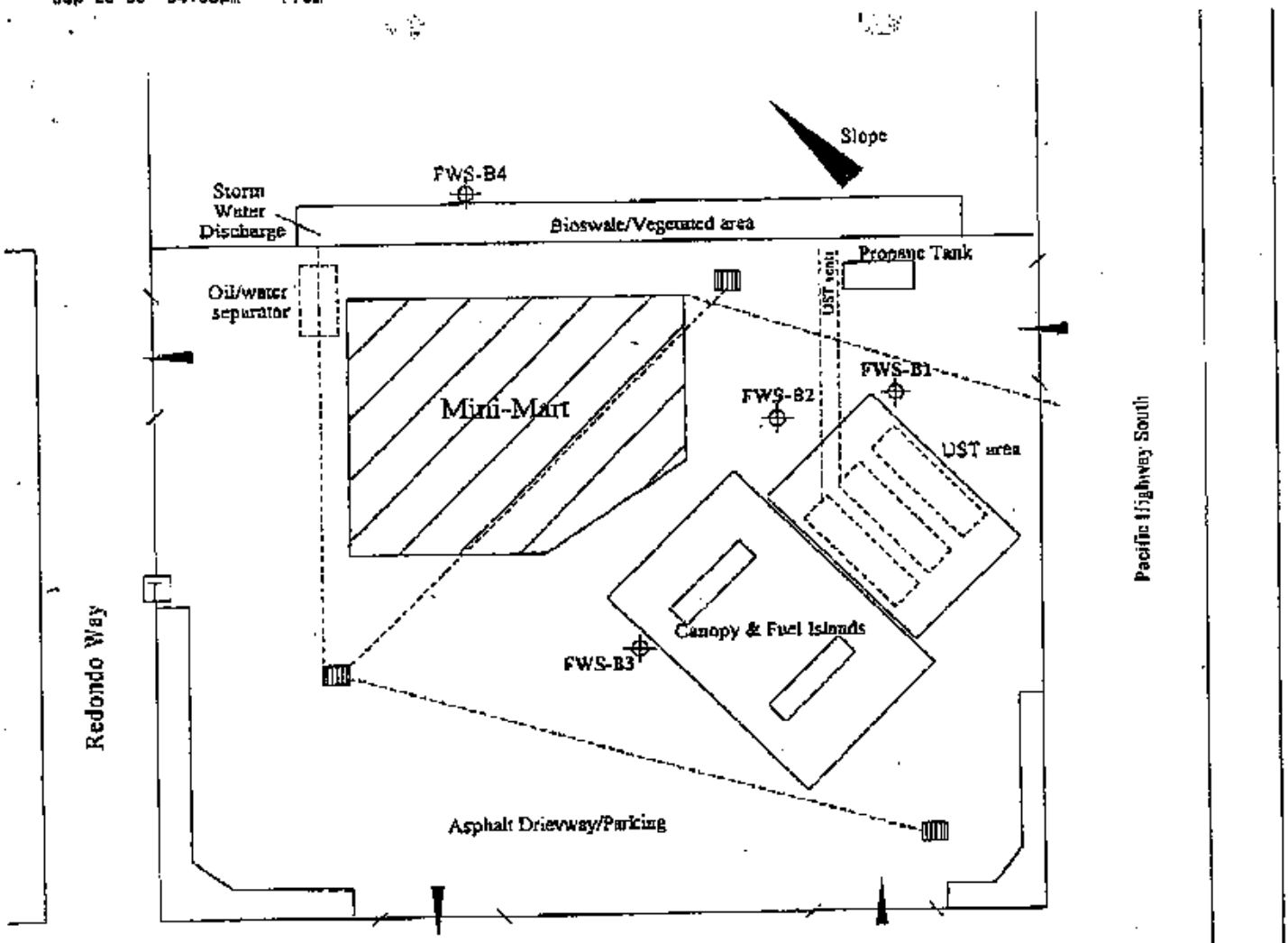
General Vicinity Map

Shell Service Station & Mini-Mart
29625 Pacific Highway South
Federal Way, Washington

ARCS Project No: 00-33

Source:

USGS
7.5 Minute Series Topographic Map
Poverty Bay, WA Quadrangle
1961, revised 1994



N

Date: April 9, 2001

Assessment and Remediation Consulting Services (ARCS)

Site Diagram

Shell Service Station & Mini-Mart
29625 Pacific Highway South
Federal Way, Washington

ARCS Project No: 00-33

Legend:

FWS-B2 — Soil boring location

Storm Drain

Underground utilites and piping

~ not drawn to scale ~

ATTACHMENT A

Boring/Well Number:
FWS-B1

Client: Dash Point Shell	Project Number: 00-33
Drilling Contractor: ESN Northwest	
Drilling Method: Strataprobe	
Logged By: Eric Chapman	Company: ARCS
Date: 4-03-01	
Page: 1 of 1	

Depth (feet)	Graphic Symbol	Recovery (inches)	USGS Soil Type	Description	PID Reading	Sample Name
		30"	SW	Well graded, medium grained sand with gravels Dry. No odors or staining.	0.00	NA
3		4"	SW	Well graded, medium to fine-grained sand with gravels Moist. No odors or staining.	0.00	NA
6		12"	SW	Well graded, medium to fine-grained sand with gravels Moist. No odors or staining.	0.00	NA
9		12"	SW	Well graded, medium to fine-grained sand with gravels Large fractured cobble at 11' Moist. No odors or staining.	0.00	NA
12		12"	SW	Well graded, medium to fine-grained sand with gravels Moist. No odors or staining.	0.00	NA
15		10"	SW	Well graded, medium to fine-grained sand with gravels Moist. No odors or staining.	0.00	FWS-B1-18
18						

Boring Log and Well Construction

Boring/Well Number:
FWS-B2

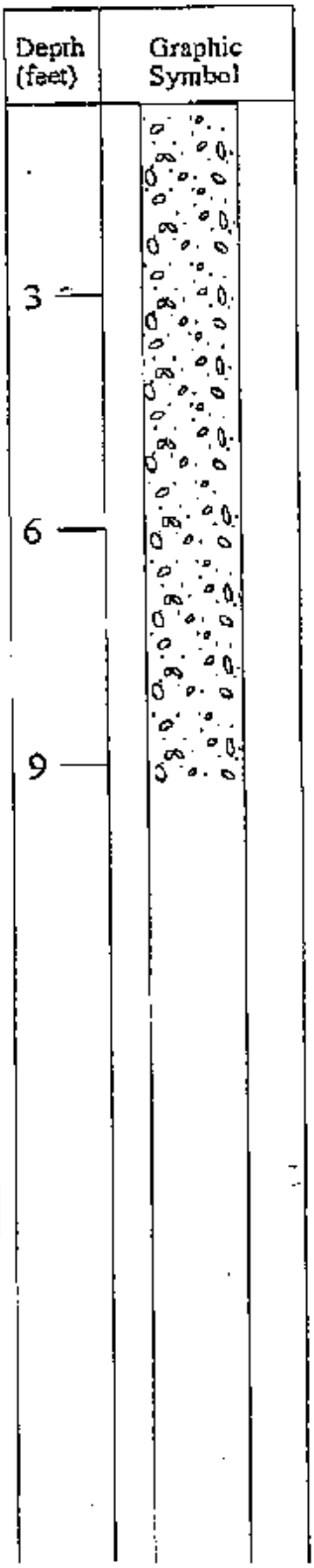
Client: Dash Point Shell	Project Number: 00-33
Drilling Contractor: ESN Northwest	
Drilling Method: Strataprobe	
Logged By: Eric Chapman	Company: ARCS
Date: 4-03-01	
Page: 1 of 1	

Depth (feet)	Graphic Symbol	Recovery (inches)	USGS Soil Type	Description	PID Reading	Sample Name
		24"	SW	Well graded, medium grained sand with gravels Dry. No odors or staining.	0.00	NA
3		30"	SW	Well graded, medium to fine-grained sand with gravels Moist. No odors or staining.	0.00	NA
6		1"	SW	Poor recovery. Well graded, medium to fine-grained sand with gravels Moist. No odors or staining.	0.00	NA
9		24"	SW	Well graded, medium to fine-grained sand with gravels. Moist. No odors or staining.	0.00	NA
12		18"	SW	Well graded, medium to fine-grained sand with gravels Moist. No odors or staining.	0.00	FWS-B2-15
15		24"	SW	Well graded, medium to fine-grained sand with silt and gravel. Greenish-gray color. Moist. No odors or staining.	0.00	FWS-B2-18
18						

Boring/Well Number:

FWS-B3

Client: Dash Point Shell Project Number: 00-33
Drilling Contractor: ESN Northwest
Drilling Method: Strataprobe
Logged By: Eric Chapman Company: ARCS
Date: 4-03-01
Page: 1 of 1



Recovery (inches)	USGS Soil Type	Description	PID Reading	Sample Name
30"	SW	Well graded, medium grained sand with gravels. Greenish-gray to moderate brown in color. Dry. No odors or staining.	0.00	NA
24"	SW	Well graded, medium to fine-grained sand with gravels. Moderate brown to orangish brown in color. Moist. No odors or staining.	0.00	FWS-B3-5
18"	SW	Well graded, medium to fine-grained sand with gravels. Moderate brown to orangish brown in color. Moist. No odors or staining.	0.00	FWS-B3-9

Borehole Log and Well Construction Diagram

Boring/Well Number:
FWS-B4

Client: Dash Point Shell	Project Number: 00-33
Drilling Contractor: ESN Northwest	
Drilling Method: Strataprobe	
Logged By: Eric Chapman	Company: ARCS
Date: 4-03-01	
Page: 1 of 1	

Depth (feet)	Graphic Symbol	Recovery (inches)	USGS Soil Type	Description	PID Reading	Sample Name
		30"	SW	Well graded, medium grained sand with gravels. Moderate brown color. Moist. No odors or staining.	0.00	NA
3		32"	SW	Well graded, medium to fine-grained sand with gravels. Moderate brown color. Moist. No odors or staining.	0.00	NA
6		24"	SW	Well graded, medium to fine-grained sand with gravels. Moderate brown color. Moist. No odors or staining.	0.00	NA
9		24"	SW	Well graded, medium to fine-grained sand with gravels. Moderate brown to grayish brown color. Moist. No odors or staining.	0.00	NA
12		20"	SW	Well graded, medium to fine-grained sand with gravels. Moderate brown to grayish brown color. Moist. No odors or staining.	0.00	NA
15		24"	SW	Well graded, medium to fine-grained sand with gravels. Moderate brown to grayish brown color. Moist. No odors or staining.	0.00	FWS-B4-16
18						

ATTACHMENT B

PRELIMINARY DATA

ENVIRONMENTAL SERVICES NETWORK NORTHWEST, INC

FEDERAL WAY SHELL PROJECT
Federal Way, Washington
ARCS

Analyses of Gasoline (NWTPH-Gx) & BTEX (EPA Method 8021B) in Soil

Sample Number	Date Analyzed	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Gasoline (mg/kg)	Surrogate Recovery (%)
Method Blank	4/4/01	nd	nd	nd	nd	nd	111
FWS-B1-18'	4/4/01	nd	nd	nd	nd	nd	101
FWS-B1-18' Dup	4/4/01	nd	nd	nd	nd	nd	97
FWS-B2-15'	4/4/01	nd	nd	nd	nd	nd	90
FWS-B2-18'	4/4/01	nd	nd	nd	nd	nd	86
FWS-B3-5'	4/4/01	nd	nd	nd	nd	nd	92
FWS-B4-16'	4/4/01	nd	nd	nd	nd	nd	101
Method Detection Limits		0.05	0.05	0.05	0.05	10	

"nd" Indicates not detected at the listed detection limits.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Chlorobenzene): 65% TO 135%

ANALYSIS PERFORMED BY: Dean Phillips

teg

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES

CHAIN-OF-CUSTODY RECORD

CLIENT: ARCS

ADDRESS: P.O. Box 2171 ISSAQUAH WA 98027

PHONE: (425) 837-0220 FAX: (425) 369-8606

CLIENT PROJECT #: _____ PROJECT MANAGER: Eric Chapman

DATE: 3-03-01 PAGE 1 OF 1

PROJECT NAME: Federal Way Shell

LOCATION: _____

COLLECTOR: E. Chapman DATE OF COLLECTION 3/03

Sample Number	Depth	Time	Sample Type	Container Type	VOA 8010/8021B	VOA 8021B BTEX	VOA 8260	SEMI VOL 8270	TPH - HCID	TPH 8015 (gasoline)	TPH 8015 (diesel)	PAH 8100	PCBs 8082	Pesticides 8081	TOTAL LEAD	pH	NOTES	Total Number of Containers	Laboratory Number
1. FWS-B1-18	18'	930	S	4oz Glass	X				X										
2. FWS-B2-15	15	1010	S		X				X										
3. FWS-B2-18	18'	1030	S		X				X										
4. FWS-B3-5	5'	1100	S		X				X										
5. FWS-PH-18	18	1210	S	V	X				X										
6.																			
7.																			
8.																			
9.																			
10.																			
11.																			
12.																			
13.																			
14.																			
15.																			
16.																			
17.																			
18.																			

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
E. Chapman	3/03/01 1230		
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	
CHAIN OF CUSTODY SEALS Y/N/NA	
SEALS INTACT? Y/N/NA	
RECEIVED GOOD COND./COLD	
NOTES:	

LABORATORY NOTES:

48 HR T/A

Turn Around Time:

SEP-28-05 18:13 From- Sep-28-05 04:08pm P.16 R-054 Job-886 T-465 P.16/16 F-740

FAX COVER SHEET

TO: Keith Ross

COMPANY:

DATE: 9/28

FAX #: ~~425 328 5348~~ 1-425-562-5114

Number of Pages: 16 (including cover page)

This fax is from: Kevin Janusz

601 Union Street
Suite 4200
Seattle, WA 98101
Fax: (206) 652-3205

Please deliver this transmission as soon as possible.

Additional Notes: 3 faxed packets total (1 of 3)

Please call (206) 652-3200 if there are any problems with this transmission.

APPENDIX G

ECOLOGY APRIL 22, 1991 LETTER FROM MR. JOSEPH HICKEY

CHRISTINE O. GREGOIRE
Director

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
4350-150th Ave. N.E. • Redmond, Washington 98052-5301 • (206) 867-7000

April 22, 1991

RECEIVED
APR 24 1991
MAINT. & CONT.

Mr. Leigh Carlson
Unocal Corporation
Unocal Refining and Marketing Division
P.O. Box 76
100 West Harrison, Suite 225
Seattle, WA 98119

COPY

RE: Petroleum Contamination Remediation at Unocal SS #6227, 29625 Pacific Highway South, Federal Way, WA.

Dear Mr. Carlson:

Thank you for providing the final clean-up report for the above referenced property.

Based on the information provided, proper procedures were followed regarding the tank removal and site remediation pursuant to federal and state regulations (40 CFR Part 280, and WAC 173-340, respectively).

Also based on the information provided, recommended clean-up standards were met or bettered after the remediation process, with the exception of soil contamination at 23 foot depth which could not be sampled or remediated; the report did indicate, however, that the contamination was insufficient to warrant further action, and the Department of Ecology will abide by that professional opinion in lieu of additional information. The clean-up standards are referenced in the proposed amendments 173-340-740.

Please call me at 867-7202 if you have any questions.

Sincerely,

Joseph M. Hickey
Toxics Clean-up Program
Site Inspector

JH/jh

Consulting Geotechnical
Engineers and Geologists

GeoEngineers

REPORT OF REMEDIAL ACTION
UNDERGROUND STORAGE TANK REMOVAL
UNOCAL SERVICE STATION 6227
KING COUNTY, WASHINGTON
FOR
UNOCAL

RECEIVED
NOV 29 1989
DEPARTMENT OF ECOLOGY
NORTHWEST REGION

REPORT OF REMEDIAL ACTION
UNDERGROUND STORAGE TANK REMOVAL
UNOCAL SERVICE STATION 6227
KING COUNTY, WASHINGTON
FOR
UNOCAL

GeoEngineers

Consulting Geotechnical
Engineers and Geologists

November 27, 1989

Unocal
P. O. Box 76
Seattle, Washington 98111

Attention: Mr. Gary Gunderson

We are submitting five copies of our report for environmental monitoring during removal of the underground fuel tanks at Unocal Service Station 6227 in King County, Washington. Our services were authorized verbally by Mr. Leigh Carlson on September 7, 1989. Contractual terms for our services are included in Blanket Contract B1982A.

We appreciate the opportunity to be of continued service to Unocal. Please call if you have any questions regarding this report.

Yours very truly,

GeoEngineers, Inc.

James A. Miller, P.E.
Principal

JF:JAM:db

cc: Mr. Joe Hickey
Washington Department of Ecology
4350 150th Avenue Northeast
Redmond, Washington 98052

File No. 0161-041-B04

GeoEngineers, Inc.
2405 140th Ave. NE, Suite 105
Bellevue, WA 98005
Telephone (206) 746-5200
Fax. (206) 746-5068

Geo Engineers

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CHEMICAL ANALYTICAL PROGRAM	A-2

APPENDIX B

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Geo Engineers

REPORT OF REMEDIAL ACTION
UNDERGROUND STORAGE TANK REMOVAL
UNOCAL SERVICE STATION 6227
KING COUNTY, WASHINGTON
FOR
UNOCAL

INTRODUCTION

This report summarizes the results of our observations during the removal of the underground fuel storage tanks at the site of Unocal Service Station 6227 near Federal Way in King County, Washington. The site is located northwest of the intersection between Pacific Highway South and Dash Point Road, as shown on the Vicinity Map, Figure 1. The general layout of the site is shown on the Site Plan, Figure 2.

Two 10,000-gallon steel gasoline storage tanks, one 550-gallon steel waste oil tank and one 550-gallon steel heating oil tank were removed from the site between September 12 and 14, 1989. The steel gasoline storage tanks were replaced by two 12,000-gallon double-wall fiberglass-coated steel underground storage tanks. The steel waste oil tank was replaced with a 520-gallon double-wall fiberglass-coated steel tank. The steel heating oil tank was removed but not replaced.

The purpose of our services was to observe and evaluate subsurface soil conditions in the excavations, and to develop a remediation plan, if necessary. GeoEngineers' scope of services completed for this project is listed below.

1. Observe and document the excavation of the four underground storage tanks at the site.
2. Obtain soil samples from the limits of the storage tank excavations for chemical analysis of petroleum-related contaminants. Field screening was conducted on each soil sample for evidence of contamination using visual, water sheen and volatile organics headspace screening methods. These methods are described in Appendix A.
3. Obtain one soil sample for chemical analysis from beneath a segment of the product lines that was exposed during repair of a broken water line.

4. Obtain composite samples for chemical analyses from soil removed from the excavations as required for disposal at a landfill.
5. Evaluate the field and laboratory data with regard to existing regulatory concerns.

SOIL EXCAVATION AND SAMPLING

GASOLINE STORAGE TANK EXCAVATION

Joe Hall Construction Inc. (Joe Hall) removed the two gasoline storage tanks on September 12, 1989 from the locations shown in Figure 2. GeoEngineers was present to observe the tank removal activities and to obtain soil samples. Very minor evidence of rust and corrosion was observed on the two storage tanks.

Ground water was not encountered in the excavation. The excavation extended to a depth of 18 feet in the southern portion and 19 feet in the northern portion. Backfill surrounding the tanks consisted of sandy gravel. Fine to medium gravelly sand interbedded with thin layers of gravel and cobbles was encountered in the walls of the gasoline tank excavation to a depth of 18 feet. The gravelly sand unit is underlain by silty sand with occasional gravel.

Physical evidence of petroleum-related contamination was detected in the backfill material in the vicinity of the fill port for the super unleaded gasoline storage tank. Approximately 600 cubic yards of contaminated backfill was transported to Fife Sand and Gravel for aeration. Non-contaminated backfill was transported to Fife Sand and Gravel for use as fill material at other locations. The excavation was lengthened on September 12 to accommodate the larger gasoline storage tanks. The final limits of the excavation are shown in Figure 2.

Seven soil samples (Samples 3 through 9) were obtained from the limits of the completed excavation. Sample 1 was obtained from the non-contaminated backfill removed from the tank excavation and Sample 2 was collected from the contaminated backfill that was transported to Fife Sand and Gravel. All of these soil samples were analyzed for the presence of total petroleum hydrocarbons (TPH by EPA Method 418.1) and for benzene, ethylbenzene, toluene and xylenes (BETX by EPA Method 8020). The sample

locations are shown in Figure 2. Analytical results are summarized in Table 1. Laboratory reports for the soil samples are included in Appendix B.

A section of the product lines was exposed during tank replacement operations to facilitate the repair of a broken water line. The location of the water line excavation is shown on Figure 2. Two discrete soil samples were obtained from beneath the exposed product lines and composited. This composite sample (Sample 10) was submitted for laboratory analysis of BETX and TPH.

The current Washington State Department of Ecology (Ecology) cleanup guidelines for petroleum-contaminated soil are 200 ppm TPH, 660 ppb (.66 ppm) benzene, 14 ppm ethylbenzene and 143 ppm toluene. Test results indicated that concentrations of benzene, ethylbenzene, toluene and TPH were either nondetected or were less than current Ecology cleanup guidelines (Table 1) in the soil samples obtained from the limits of the gasoline storage tank excavation, from beneath the exposed product line and from the non-contaminated soil that was transported to Fife Sand and Gravel for use as fill. A TPH concentration greater than Ecology cleanup guidelines was detected in Sample 2, obtained from the contaminated backfill material.

WASTE OIL/HEATING OIL TANKS EXCAVATION

The waste oil and heating oil tanks were removed by Joe Hall on September 14, 1989. Minor evidence of corrosion was noted on both tanks. The two small-diameter copper pipes that serve as heating oil supply and return pipes were encountered 2.3 feet below the asphalt surface layer in the north wall of the excavation. Petroleum-like odor and staining were noted in the soil surrounding these two pipes.

Six soil samples (Samples 1a through 6a) were obtained from the initial limits of the waste oil/heating oil tanks excavation. Sample 7a was a composite sample obtained from the backfill material removed from the excavation and transported to Fife Sand and Gravel for temporary storage. Approximately 100 cubic yards of backfill from the waste oil/heating oil tanks excavation was transport to Fife Sand and Gravel. Soil sample locations are indicated on Figure 2.

Field screening of soil samples obtained from the limits of the excavation indicated the possible presence of heavier hydrocarbon contamination in the four walls and floor of the excavation. Because the service station building is located immediately north and a service island concrete slab immediately south of the excavation, it was determined that additional soil could not be removed from the walls of the excavation without endangering these structures. It was possible to remove an additional 2.5 feet of soil from beneath the waste oil tank in an attempt to determine the vertical extent of contamination in this area. The results of field screening and laboratory analysis are listed in Table 2.

Samples 1a, 4a, 7a and 8a resulted in TPH concentrations greater than Ecology cleanup guidelines (Table 2). Sample 1a was obtained from beneath the heating oil tank at depth of 6 feet. Sample 4a was obtained from 0.5 feet below the copper pipes that were encountered in the north wall of the excavation. Sample 7a was a composite sample obtained from the soil removed from the excavation and transported to Fife Sand and Gravel. Soil Sample 8a was obtained from the deepened excavation at a depth of 8.5 feet.

SOIL DISPOSAL

We were informed by Joe Hall Construction that the 700 cubic yards of soil temporarily stored at Fife Sand and Gravel was transported on November 21, 1989 to Coal Creek Landfill for disposal. Del Lovell of Joe Hall Construction indicated that permission for disposal was given by Seattle-King County Department of Public Health based on the results of chemical analyses on samples of the soil removed from Service Station 6227.

CONCLUSIONS AND RECOMMENDATIONS

Based on the results of our observations and testing, gasoline-related contamination of regulatory significance is not present in the vicinity of the underground gasoline storage tanks. However, the results of this study indicate the presence of subsurface petroleum-related soil contamination in the vicinity of the new waste oil tank. Excavation of this soil would require removal of the service station building and the new tank.

The residual contamination in the vicinity of the waste oil tank appears to be limited in extent. It is our opinion, therefore, that this

contamination does not represent a hazard to human health or the environment and that removal of the building is not warranted.

LIMITATIONS

We have prepared this report for use by Unocal. This report may be made available to regulatory agencies. This report is not intended for use by others and the information contained herein is not applicable to other sites.

Our interpretation of soil conditions during remediation is based on field observations and chemical analytical data. It is possible that areas with undetected contamination may exist in portions of the site which were not excavated or analyzed.

Within the limitations of scope, schedule and budget, our services have been executed in accordance with generally accepted practices in this area at the time the report was prepared. No other conditions, express or implied, should be understood.

Respectfully submitted,

GeoEngineers, Inc.

Julia Fowler
Hydrogeologist

James A. Miller, P.E.
Principal

JF:JAM:db

TABLE 1
SUMMARY OF SUBSURFACE SOIL CHEMISTRY
GASOLINE STORAGE TANK AND PRODUCT LINE EXCAVATION

Sample Number	Sampling Date	Depth of Sample (feet)	BETX (ppb)(a) (EPA Method 8020)				TPH(b) (EPA Method 418.1) (PPM)	Field screening Results(c)		General Sample Location
			B	E	T	X		Headspace Vapors (ppm)	Sheen Test	
1	9/12/89	Composite	ND	ND	ND	7.5	28.1	180	NS	Composite from soil taken to Fife Sand & Gravel for use as fill
2(d)	9/12/89	Composite	77	440	730	3270	382	110	NS	Composite of contaminated soil transported to Fife Sand & Gravel for aeration
3	9/12/89	18	ND	ND	ND	13.8	ND	<100	Slight	Base of excavation, beneath unleaded gasoline tank
4	9/12/89	18	ND	2.6	4.1	94	21.7	<100	Slight	Base of excavation, beneath super unleaded gasoline tank
5	9/12/89	17	ND	ND	ND	4	ND	<100	NS	East wall
6	9/12/89	17	ND	ND	ND	ND	31.2	<100	NS	North wall
7	9/12/89	17	ND	ND	ND	ND	ND	<100	NS	West wall
8	9/12/89	16	ND	ND	1.2	6.2	ND	<100	Slight	South wall
9	9/12/89	19	ND	ND	ND	1.7	ND	<100	NS	Base of excavation, beneath super unleaded gasoline storage tank
10	9/12/89	2	ND	ND	ND	1.6	ND	<100	Slight	Beneath product lines

Notes:
"ND" indicates "not detected"; "NS" indicates "no sheen."
"ppb" indicates "parts per billion"; "ppm" indicates "parts per million."
(a) B = benzene, E = ethylbenzene, T = toluene, X = xylenes. Detections limits are given in Appendix B.
(b) TPH = total petroleum hydrocarbons. Detection limits are given in Appendix B.
(c) Refer to Appendix A for a description of field screening methods.
(d) Sample 2 was also analyzed for fuel hydrocarbons by Modified EPA Method 8015. A concentration of 42 ppm "heavy oil" was detected in this sample.

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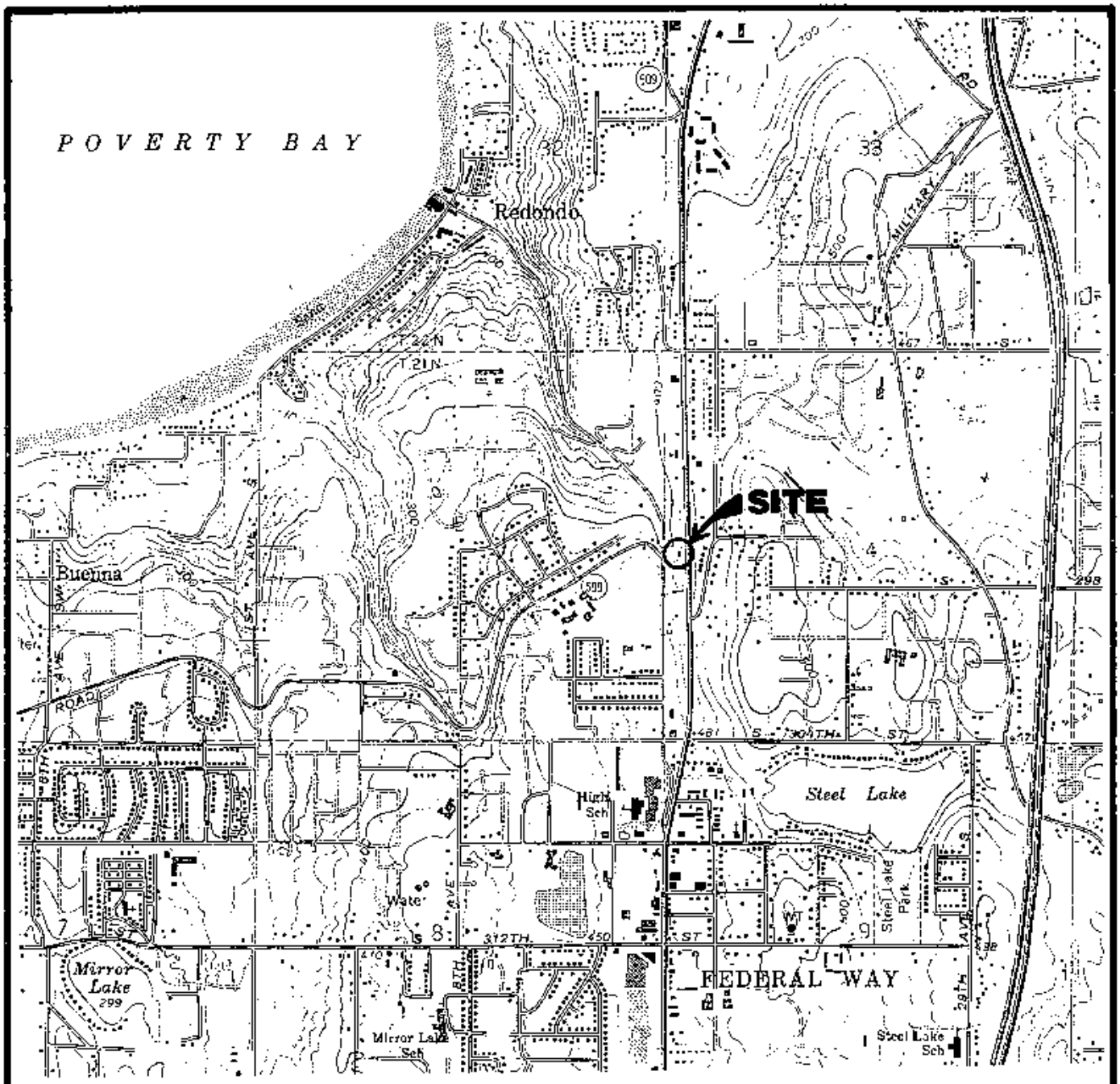
TABLE 2
SUMMARY OF SUBSURFACE SOIL CHEMISTRY
WASTE OIL AND HEATING OIL TANK EXCAVATION

Sample Number	Sampling Date	Depth of Sample (feet)	Total Petroleum Hydrocarbons (ppm) (EPA Method 418.1)	Field screening Results(1)		General Sample Location
				Headspace Vapors (ppm)	Sheen Test	
1a	9/14/89	6	561	<100	Moderate	Base of excavation, beneath heating oil tank
2a	9/14/89	6	--	<100	Moderate	Beneath waste oil tank
3a	9/14/89	4	7.9	<100	Moderate	West wall
4a	9/14/89	3	14,933	200	Heavy	North wall
5a	9/14/89	3.5	12.0	<100	Moderate	South wall
6a	9/14/89	4	9.3	<100	Moderate	East wall
7a(2)	9/14/89	Composite	280	<100	Slight	Composite of soil from excavation
8a	9/14/89	8.5	208	<100	Moderate	Base of excavation, beneath waste oil tank

Notes:
"ppb" indicates "parts per billion"; "ppm" indicates "parts per million."
(1) Field screening methods are described in Appendix A.
(2) Sample 7a was also analyzed for chlorinated hydrocarbons (EPA Method 8010), flash point and PCBs. PCBs and chlorinated hydrocarbons were not detected in this sample. Flashpoint was determined to be greater than 200 degrees Fahrenheit.

Geo Engineers



REFERENCE: USGS 7.5' TOPOGRAPHIC QUADRANGLE MAP "POVERTY BAY, WASH."

GeoEngineers

VICINITY MAP

FIGURE 1

0161-041-804 DJK:KKT 10-6-89

PACIFIC HIGHWAY SOUTH

Planter

Planter

Planter

Service Islands

Concrete Slab

Underground Gasoline
Storage Tanks (Replaced)

Water Line Excavation

Limits Of Excavations

Underground Heating
Oil Tank (Removed)

Service Island

Concrete Slab

Service Station Building

Concrete Slab

Underground Waste
Oil Tank (Replaced)

Planter

Property Line

Planter

DASH POINT ROAD

0 20 40

SCALE IN FEET

EXPLANATION:

1a SOIL SAMPLE LOCATION AND NUMBER

REFERENCE: DRAWING ENTITLED "GENERAL ARRANGEMENT, SERVICE STATION 6227, PACIFIC HWY. S. & DASH PT. ROAD, KING CO., WASHINGTON", DATED 3/24/69, BY UNOCAL.

Geo Engineers

SITE PLAN

FIGURE 2

0161-041-804 JF KKT 9-25-89

GeoEngineers

APPENDIX A

FIELD SCREENING OF SOIL SAMPLES

A GeoEngineers representative conducted field screening on soil samples obtained from the underground storage tank excavations. Field screening results are used as a general guideline to delineate areas of potential petroleum-related contamination in soils. In addition, screening results are used to aid in the selection of soil samples for chemical analysis. The field screening methods employed included: (1) visual examination, (2) sheen testing, and (3) headspace vapor testing using a Bacharach TLV Sniffer calibrated to hexane. The results of headspace and sheen screening are included on Tables 1 and 2 in the text of this report.

Visual screening consists of inspecting the soil for the presence of stains indicative of petroleum-related contamination. Visual screening is generally more effective in detecting the presence of heavier petroleum hydrocarbons such as motor oil or when hydrocarbon concentrations are high. Sheen screening and headspace vapor screening are more sensitive methods which have been effective in detecting contamination at levels less than regulatory cleanup guidelines.

Sheen testing involves placing soil in water and observing the water surface for signs of sheen. Sheens are classified as follows:

NS - No Sheen	No visible sheen.
SS - Slight Sheen	Light colorless sheen, spotty to globular; spread is irregular, not rapid; areas of no sheen remain; film dissipates rapidly.
MS - Moderate Sheen	Light to heavy film, may have some color or iridescence, globular to stringy; spread is rapid; irregular to flowing.
HS - Heavy Sheen	Heavy colorful film with iridescence; stringy, spread is rapid; sheen flows off the sample; most of water surface is covered.

Headspace vapor screening involves placing a soil sample in a plastic sample bag. Air is captured in the bag and the bag is shaken to expose the soil to the air trapped in the bag. The probe of a Bacharach TLV Sniffer is used to puncture the bag, the instrument withdraws the air in the bag and the TLV Sniffer records the concentration of combustible vapor in the air removed from the sample headspace. The TLV Sniffer records concentrations in parts per million (ppm) and is calibrated to hexane. The Sniffer is designed to quantify combustible gas concentrations in the range between 100 and 10,000 ppm.

Field screening results are site specific. The results vary with temperature, soil type, type of contaminant, and soil moisture content.

CHEMICAL ANALYTICAL PROGRAM

Soil samples obtained between September 12 and 14, 1989 were analyzed by Enviros Corporation or Sound Analytical Services, Inc.. The soil samples were analyzed for TPH and/or BETX. Infrared spectrophotometry methods were used to analyze for petroleum hydrocarbons (EPA Method 418.1) and gas chromatography was used to quantify BETX (EPA Method 8020).

The composite sample obtained from backfill material surrounding the gasoline tanks was also analyzed for fuel hydrocarbons by modified EPA Method 8015. The composite sample obtained from backfill material surrounding the heating oil and waste oil tanks was analyzed for PCBs, chlorinated hydrocarbons (EPA Method 8010), and TPH (EPA Method 418.1).

APPENDIX B

SOUND ANALYTICAL SERVICES, INC.

SPECIALIZING IN INDUSTRIAL & TOXIC WASTE ANALYSIS
4630 PACIFIC HIGHWAY EAST, SUITE B-14, TACOMA, WASHINGTON 98424 - TELEPHONE (206)922-2310 - FAX (206)922-5047

Report To: GeoEngineers
Date: September 18, 1989

Report On: Analysis of Soil
Lab No.: 7652
Page 1 of 2

GeoEngineers
SEP 20 1989
Routing JF
File

IDENTIFICATION:
Samples Received on 9-14-89
Project: 161-41-4 Unocal, Federal Way

ANALYSIS:

Laboratory Sample No.	Client Identification	Total Petroleum Hydrocarbons, mg/kg by EPA Method 418.1
Rush 1	#1	561
Rush 2	#3	7.9
Rush 3	#4	14,933
Rush 4	#5	12.0
Rush 5	#6	9.3
Rush 6	#7	280
Rush 7	#8	208

Laboratory Sample No.: Rush 6 Client ID: #7

Flash, PMCC°F	> 200
PCB, Type	ND
PCB, mg/kg	< 0.1

Continued . . . . . .

his report is issued solely for the use of the person or company to whom it is addressed. This laboratory accepts responsibility only for the due performance of analysis in accordance with ...dustry acceptable practice. In no event shall Sound Analytical Services, Inc. or its employees be responsible for consequential or special damages in any kind or in any amount.

SOUND ANALYTICAL SERVICES, INC.

GeoEngineers
Page 2 of 2
Lab No. 7652
September 18, 1989

Laboratory Sample No.: Rush 6 Client ID: #7

Purgeable Halocarbons per EPA SW-846, Method 8010.

Contaminant	Concentration (mg/kg) (ppm)
Methylene chloride	< 0.05
1,1-dichloroethylene	< 0.05
1,2-dichloroethane	< 0.05
1,2-transdichloroethylene	< 0.05
Chloroform	< 0.05
1,2-dichloroethane*	
Freon	< 0.010
1,1,1-trichloroethane	< 0.05
Bromodichloromethane*	
Carbon Tetrachloride	< 0.010
1,2-dichloropropane*	
Trans-1,3-dichloropropene	< 0.010
Trichlorethylene	< 0.05
Cis-1,3-dichloropropene*	
1,1,2-trichloroethane	< 0.010
Chlorodibromomethane	< 0.05
Bromoform	< 0.05
Tetrachloroethylene	< 0.05
1,1,2,2-tetrachloroethane	< 0.05
Chlorobenzene	< 0.05

* These halocarbons coelute

SOUND ANALYTICAL SERVICES

STAN P. PALMQUIST

This report is issued solely for the use of the person or company to whom it is addressed. This laboratory accepts responsibility only for the due performance of analysis in accordance with industry acceptable practice. In no event shall Sound Analytical Services, Inc. or its employees be responsible for consequential or special damages in any kind or in any amount.

SEP 21 1989

Rec'd JF

File

September 19, 1989

Julia Fowler, Project Coordinator
GeoEngineers, Inc.
2405-140th Avenue N.E., Suite 105
Bellevue, WA 98005

Dear Julia:

Enclosed are the results of the analyses of samples submitted on September 12, 1989 from Project 0161-41-4 Unocal.

We appreciate this opportunity to be of service to you on this project. If you have any questions regarding this material, or if you just want to discuss any aspect of your projects, please do not hesitate to contact me.

Sincerely,

James K. Farr, Ph.D.

Enclosures

enviros

Corporation Scientists & Engineers (206) 455-2962 fax 451-8546
600 Skyline Tower 10900 NE 4th Street Bellevue, Washington 98004
Analytical Laboratory: 225 112th Avenue NE (206) 453-8174

Date of Report: September 19, 1989
Date Submitted: September 12, 1989
Project: 0161-41-4 Unocal

RESULTS OF ANALYSES OF ENVIRONMENTAL SAMPLES FOR BTX AND ETHYLBENZENE USING PURGE AND TRAP (EPA METHOD 602/8020) Results Reported as ng/g (ppb)

Sample #	Dil. Fac.	Benzene	Toluene	Et-Benzene	Xylene m,p	Xylene o
1	1	<1	<1	<1	5.4	2.1
2	100	<100	680	390	2,400	1,000
2	50	60	730	440	2,300	970
2	1	77	>50	>50	>50	>50
3	1	<1	<1	<1	7.4	6.4
4	1	<1	4.1	2.6	49	45
5	1	<1	<1	<1	2	2
6	1	<1	<1	<1	<1	<1
7	1	<1	<1	<1	<1	<1
8	1	<1	1.2	<1	3.0	3.1
9	1	<1	<1	<1	1.7	<1
10	1	<1	<1	<1	1.6	<1

enviros

Date of Report: September 19, 1989
Date Submitted: September 12, 1989
Project: 0161-41-4 Unocal

RESULTS OF ANALYSES OF ENVIRONMENTAL SAMPLES FOR BTX AND ETHYLBENZENE USING PURGE AND TRAP (EPA METHOD 602/8020) Results Reported as ng/g (ppb)

Sample #	Dil. Fac.	Benzene	Toluene	Et-Benzene	Xylene m,p	Xylene o
Quality Assurance						
Method Blank		<1	<1	<1	<1	<1
(Duplicate)		<1	<1	<1	1.5	<1
(Matrix Spike) Spiked @ 20 ppb Percent Recovery		94%	89%	81%	93%	80%

Date of Report: September 19, 1989
Date Submitted: September 12, 1989
Project: 0161-41-4 Unocal

RESULTS OF ANALYSES OF SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS (C7-C30) BY MODIFIED EPA METHOD 8015

Sample #	Matrix	Dilution Factor.	TPH (ppm)	RANGE (C7-C30)
2	Soil	1	42*	C7-C32
Quality Assurance				
Method Blank		1	<1.0	----
2 (Duplicate)		1	45	----

* Heavy Oil

enviros

Date of Report: September 19, 1989
Date Submitted: September 12, 1989
Project: 0161-41-4 Unocal

RESULTS OF ANALYSES OF ENVIRONMENTAL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS BY IR (EPA METHOD 418.1)

Sample #		Total Petroleum Hydrocarbons (ppm)
1	Soil	28.1
2	Soil	382
3	Soil	<5.0
4	Soil	21.7
5	Soil	<5.0
6	Soil	31.2
7	Soil	<5.0
8	Soil	<5.0
9	Soil	<5.0
10	Soil	<5.0

Quality Assurance

Method Blank	<5.0
10 (Duplicate)	<5.0

enviros

Julia Fowler

GEOENGINEERS INC.
2405 - 140th AVE. N.E., SUITE 105
BELLEVUE, WASHINGTON 98005
206-746-5200

PROJECT LOC. Federal Way

PROJECT NAME Unocal

GEI FILE NO. 161-41-4

CHAIN OF CUSTODY RECORD

SAMPLED BY Jon C Kolosk. DATE 9-12-89

SAMPLE No.	DATE SAMPLED	~~SAMPLED~~ Lab #	DEPTH OF SAMPLE	TYPE OF SAMPLE	FIELD FILTERED	PRESERVATIVE ADDED TO SAMPLE	ANALYSES TO BE CONDUCTED	NO. OF SAMPLE CONTAINERS	COMMENTS
1	9-12	2456	Composite	50:1	NO	NO - Ice	BETX + TPH	1	BETX by 8020 and TPH by 418.1
2	9-12	57	Composite	"		" "	" (add XYLS)	1	
3	9-12	55	18'	"		" "	" 9/15/89	1	
4	9-12	54	18'	"		" "	"	1	
5	9-12	2460	17'	"		" "	"	1	
6	9-12	61	17'	"		" "	"	1	
7	9-12	62	17'	"		" "	"	1	
8	9-12	63	16'	"		" "	"	1	
9	9-12	64	~~Comp~~ comp	"		" "	"	1	
10	9-12	2465	~~Comp~~ comp	"		" "	"	1	

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
NAME Jon C Kolosk. FIRM GeoEngineers INC	9-12-89		NAME FIRM	9/12/89	14:45
RELINQUISHED BY (SIGNATURE) NAME FIRM	DATE	TIME	RECEIVED BY (SIGNATURE) NAME FIRM	DATE	TIME

ADDITIONAL COMMENTS:

Please analyze Sample 2 as quickly as possible (24-hour). The others are regular turn around

Please use EPA methods. Thanks, Julia

B - 8

GEI -01-94

Consulting Geotechnical
Engineers and Geologists

GeoEngineers

Interim
Soils

RESULTS OF SUPPLEMENTAL FIELD TESTING
UNOCAL SERVICE STATION 6227
KING COUNTY, WASHINGTON
FOR
UNOCAL

RECEIVED
JAN 22 1991
DEPT. OF ECOLOGY

Interim soils

RESULTS OF SUPPLEMENTAL FIELD TESTING
UNOCAL SERVICE STATION 6227
KING COUNTY, WASHINGTON
FOR
UNOCAL

GeoEngineers

January 17, 1991

Consulting Geotechnical
Engineers and Geologists

Unocal
P.O. Box 76
Seattle, Washington 98111

Attention: Mr. Gary Gunderson

Results of Supplemental Field Testing
Unocal Service Station 6227
King County, Washington
File No. 0161-041-B04

INTRODUCTION

The results of our supplemental testing for subsurface petroleum-related contamination at the site of Service Station 6227 are presented in this report. The site is located northwest of the intersection between Pacific Highway South and Dash Point Road in the Federal Way area of King County, Washington. The site location and surrounding features are shown in Figure 1. The general layout of the site is shown on the Site Plan, Figure 2.

GeoEngineers previously completed two studies at Service Station 6227. We provided geotechnical services regarding fill embankment and storm drain replacement in 1987. The results of our geotechnical consultation are presented in our report dated June 4, 1987. We observed the removal of the former underground gasoline, waste oil and heating oil storage tanks at the site in September 1989. The results of our observations during tank removal activities at the site are presented in our report dated November 27, 1989.

Total petroleum hydrocarbons (TPH) were detected at concentrations greater than the Washington Department of Ecology (Ecology) cleanup guidelines in the walls and base of the excavation completed for removal of the waste oil and heating oil tanks in 1989. The excavation was between the service station building and the southern service island (Figure 2). Removal of all the contaminated soil from this area was not attempted because of the potential for endangering the building and service island concrete slab. The former gasoline and waste oil tanks were replaced with new tanks. The heating oil tank was removed, but not replaced.

GeoEngineers, Inc.
2405 140th Ave. NE, Suite 105
Bellevue, WA 98005
Telephone (206) 746-5200
Fax. (206) 746-5068

Based on the results of our observations during 1989 tank removal activities, we concluded that the residual contamination in the vicinity of the waste oil tank was limited in extent. We also concluded that this contamination did not represent a hazard to human health or the environment.

SCOPE

The purpose of our supplemental services is to determine if shallow ground water exists beneath the site and if that ground water has been affected by residual waste oil-related soil contamination. The scope of services completed for this study includes:

1. Drill one exploration boring (VP-1) in the vicinity of the former waste oil and heating oil tank excavation using hollow-stem auger drilling equipment.
2. Obtain soil samples at 5-foot intervals from the boring and conduct field screening on the soil samples for evidence of contamination using visual, water sheen and headspace vapor screening methods. The field screening methods are described in Appendix A.
3. Test one soil sample from the boring for the presence of benzene, ethylbenzene, toluene and xylenes (BETX) by EPA Method 8020 and for total petroleum hydrocarbons (TPH) by EPA Method 418.1.
4. Install a 2-inch-diameter PVC well casing with a flush-grade, locking surface monument in the boring.
5. Evaluate the field and laboratory data with regard to current regulatory criteria.

SITE CONDITIONS

GENERAL

Service Station 6227 is located within the Federal Way city limits in an area of primarily residential development. The site is located at the head of a ravine that slopes steeply downward toward the north-northwest. The surface of the site is paved with asphaltic concrete and slopes gently downward toward the northwest. The elevation of the site is approximately 420 feet above sea level.

The service station is inactive. The property includes a service station building, three covered service islands, two 12,000-gallon

underground gasoline storage tanks and one 520-gallon underground waste oil tank. These tanks were installed at the site in 1989. The locations of the current facilities at the service station are shown in Figure 2.

SUBSURFACE SOIL CONDITIONS

Subsurface soil conditions in the vicinity of the former waste oil and heating oil tanks were explored by drilling one exploration boring (VP-1) at the location indicated in Figure 2. Details of the field exploration program and the boring log are presented in Appendix A.

Based on the results of our earlier geotechnical study, we understand that the service station is constructed on imported fill placed at the head of the ravine. Fill consisting of sand and gravel with variable amounts of silt was encountered from the base of the asphalt paving to a depth of 25 feet in VP-1. Very dense silty sand with gravel grading to gravel with sand and silt (glacial till) was encountered beneath the fill to the total depth of the boring (33 feet).

GROUND WATER CONDITIONS

Ground water conditions were explored by installing a vapor probe well casing in Boring VP-1. Construction details for the vapor probe are included in Appendix A.

Ground water was not encountered in the boring. Based on the geology of the area, we anticipate that the depth to ground water at this site is greater than 100 feet. It is possible that runoff water from higher ground east and south of the site drains down the filled ravine during rainy months of the year. "Perched" ground water may exist seasonally above the glacial till unit.

SUBSURFACE CONTAMINATION

Potential subsurface petroleum-related contamination at the location of VP-1 was evaluated by: (1) conducting field screening on soil samples from the boring for evidence of contamination using visual, water sheen and headspace vapor screening methods, and (2) testing one soil sample from the boring for BETX and TPH.

The subsurface soil analytical data are summarized in Table 1. The field screening results are presented on the boring log. The laboratory report is included in Appendix B.

A slight sheen was observed on the soil samples obtained from the depths of 17 and 23 feet in VP-1. Headspace vapor concentrations were less than 100 parts per million (ppm) for all of the soil samples from VP-1. The soil sample from a depth of 23 feet was tested for BETX and TPH. BETX was not detected. TPH was detected at a concentration of 420 milligrams per kilogram (mg/kg) in this sample.

Mr. Joe Hickey of Ecology was informed on August 31, 1990 of the presence of the subsurface soil contamination detected in VP-1. Mr. Hickey also has a copy of our report dated November 27, 1989, regarding our observations during tank removal at the site.

CONCLUSIONS AND RECOMMENDATIONS

The results of this study indicate the possible presence of petroleum-related contamination at depth beneath the site of Service Station 6227. The concentration of TPH detected in the soil sample obtained from 23 feet in VP-1 (420 mg/kg) exceeds the current Ecology soil cleanup guideline for TPH of 200 mg/kg. Three soil samples obtained from the limits of the heating oil and waste oil tank excavation in 1989 also exceeded Ecology's cleanup guideline for TPH.

We drilled VP-1 in an attempt to determine whether shallow or "perched" ground water is present beneath the service station site. Because of the variable geologic conditions beneath the site, the results of this effort are inconclusive.

We understand that Unocal intends to remove the existing gasoline and waste oil tanks from the site in the near future. We recommend that additional soil be excavated from the location of the former waste oil and heating oil tank excavation. Soil should be removed from this area until the concentrations of petroleum-related contamination are less than Ecology cleanup guidelines. It may be necessary to demolish the service station building and a portion of the southern service island to excavate all of the contaminated soil.

We further recommend that an exploratory excavation be completed in the vicinity of VP-1 to determine the extent of the subsurface contamination detected in this boring. The depth of this excavation will be approximately 25 feet. It may be necessary to extend this excavation in the direction of the service station building if subsurface conditions suggest that the

source of contamination in VP-1 is the waste oil tank or a source beneath the building. Soil samples obtained from the exploratory excavation should be submitted for laboratory analysis of petroleum hydrocarbons by EPA Methods 8015 (modified) and 418.1. We understand that the storm drain that was replaced in 1987 was installed around the western perimeter of the site. If the storm drain is encountered during excavation it may be necessary to temporarily remove a portion of the drain pipe to allow excavation to continue. The storm drain should be fully restored upon completion of work at the site.

We recommend that contaminated soil be treated on the site if feasible. In our opinion, land farming/biological treatment is the most practical method of soil remediation at this site. Treatment should consist of spreading the soil on a lined and bermed area of the property, tilling the soil regularly, and adding nutrients (fertilizer) and water as necessary to promote biodegradation of the petroleum product.

LIMITATIONS

We have prepared this report for use by Unocal. This report can be made available to prospective buyers of the property and to regulatory agencies. The report is not intended for use by others and the information contained herein is not applicable to other sites.

Our interpretations of subsurface conditions are based on data from one boring and from previous excavations at the site. It is possible that areas with undetected contamination exist in areas of the site that were not explored or analyzed.

- o O o -

Within the limitations of scope, schedule and budget, our services have been executed in accordance with generally accepted practices in this area at the time the report was prepared. No other conditions, express or implied, should be understood.

Yours very truly,

GeoEngineers, Inc.

Terry T. Fisk
Geologist

James A. Miller, P.E.
Principal

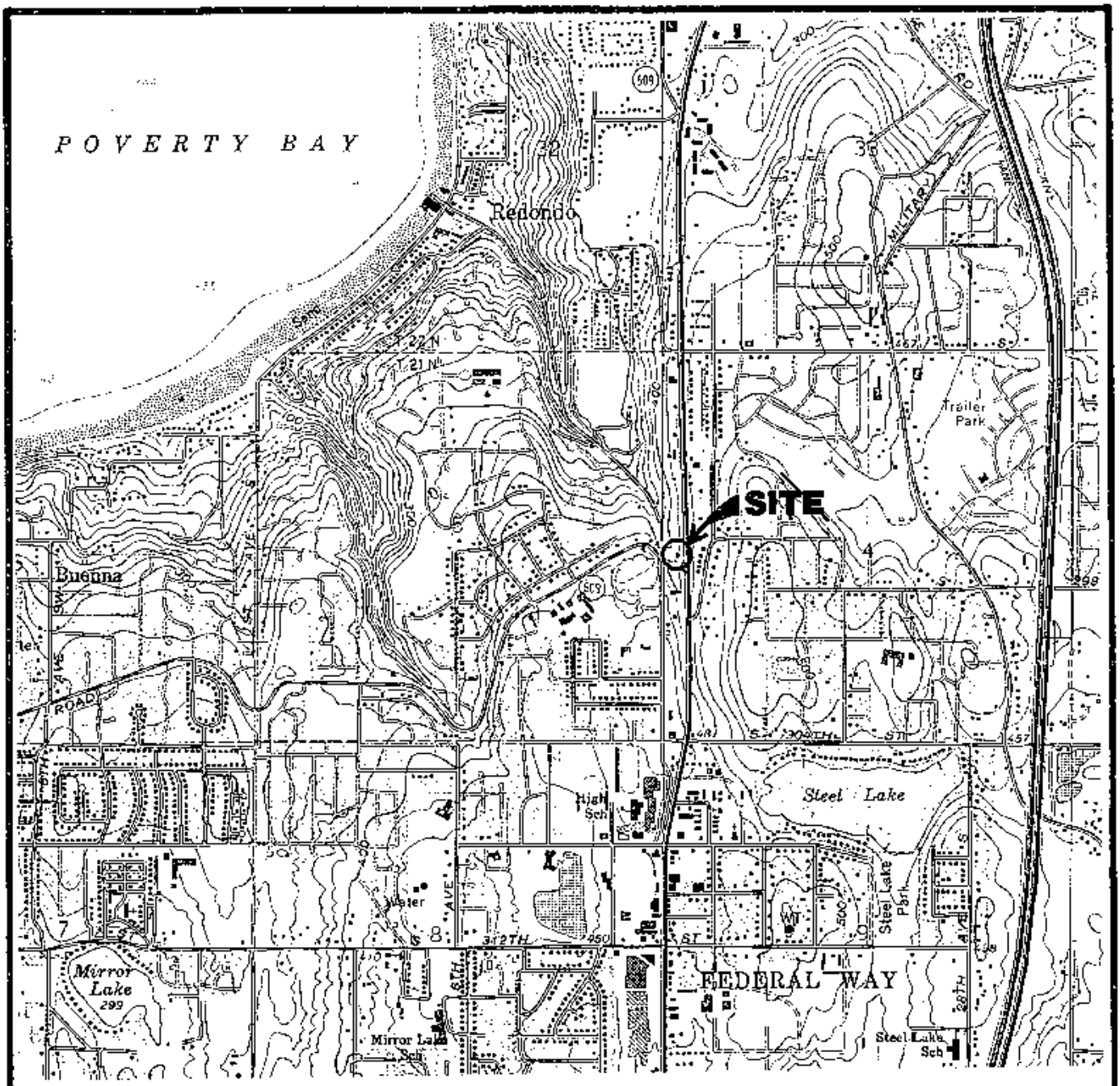
TTF:JAM:ira

cc: Mr. Joe Hickey
Washington Department of Ecology
4350 150th Avenue Northeast
Redmond, Washington 98052

TABLE 1
SUMMARY OF SOIL ANALYTICAL DATA

Soil Sample Location	Date Sampled	Depth of Sample (feet)	Field Screening Results		TPH (EPA Method 418.1) (mg/kg)	BETX (mg/kg) (EPA Method 8020)			
			Headspace Vapors (ppm)	Sheen Test		Benzene	Ethylbenzene	Toluene	Xylenes
VP-1	07/25/90	23	<100	SS	420	<0.025	<0.025	<0.025	<0.025

Notes:
"<" indicates "less than"
"ppm" indicates "parts per million"
"mg/kg" indicates "milligram per kilogram"
"SS" indicates "slight sheen"
"TPH" indicates "total petroleum hydrocarbons"



REFERENCE: USGS 7.5' TOPOGRAPHIC QUADRANGLE MAP "POVERTY BAY, WASH."

Geo Engineers

VICINITY MAP

FIGURE 1

0161-041-B04 DJK:KKT 10.6.89

PACIFIC HIGHWAY SOUTH

Planter

Planter

Planter

Service Islands

Concrete Slab

Underground Gasoline
Storage Tanks (Replaced)

Underground Heating
Oil Tank (Removed)

Service Island

Concrete Slab

Service Station Building

Concrete Slab

Underground Waste
Oil Tank (Replaced)

⊕VP-1

Planter

Property Line

Planter

DASH POINT ROAD

0 20 40

SCALE IN FEET

EXPLANATION:

⊕VP-1 VAPOR PROBE LOCATION AND NUMBER

LIMITS OF FORMER EXCAVATIONS COMPLETED IN SEPTEMBER 1989

REFERENCE: DRAWING ENTITLED "GENERAL ARRANGEMENT, SERVICE STATION 6227, PACIFIC HWY. S. & DASH PT. ROAD, KING CO., WASHINGTON", DATED 3/24/69, BY UNOCAL.

Geo Engineers

SITE PLAN

FIGURE 2

0161-041-804 JF:KKT 9-25-89

APPENDIX A

GeoEngineers

A P P E N D I X A

FIELD EXPLORATIONS

DRILLING AND SOIL SAMPLING PROGRAM

Subsurface conditions at Service Station 6227 were explored by drilling one boring (VP-1) using truck-mounted, hollow-stem auger drilling equipment at the location indicated in Figure 2. The boring was drilled on July 25, 1990 to a depth of 33 feet using drilling equipment owned and operated by McDonald Holt, Inc. The drilling equipment was cleaned with a hot-water pressure washer prior to drilling the boring. The soil sampling equipment was cleaned with a trisodiumphosphate (TSP) solution and rinsed with distilled water prior to drilling.

A geologist from our staff determined the boring location, examined and classified the soils encountered, and prepared a detailed log of the boring. Soils encountered were classified visually in general accordance with ASTM D-2488-83, which is described in Figure A-1. An explanation of the boring log symbols is presented in Figure A-2. The boring log is given in Figure A-3.

Soil samples were obtained from the boring using a Dames & Moore split-barrel sampler (2.4-inch ID). The sampler was driven 18 inches by a 300-pound weight falling a vertical distance of approximately 30 inches. The number of blows needed to advance the sampler the final 12 inches or other specified intervals is indicated to the left of the corresponding sample notations on the boring logs.

One soil sample was selected from the boring for chemical analysis of benzene, ethylbenzene, toluene, and xylenes (BETX), and total petroleum hydrocarbons (TPH). The sample that was tested is denoted in the boring log with a "CA." Chain-of-custody procedures were followed in transporting the soil sample to the laboratory.

FIELD SCREENING OF SOIL SAMPLES

A GeoEngineers representative conducted field screening on soil samples obtained from the boring. Field screening results are used as a general guideline to delineate areas of potential petroleum-related contamination. In addition, screening results are used to aid in the selection of soil samples for chemical analysis. The screening methods employed included:

(1) visual examination, (2) sheen testing, and (3) headspace vapor testing using a Bacharach TLV Sniffer calibrated to hexane. The results of headspace and sheen screening are included on the boring log.

Visual screening consists of inspecting the soil for the presence of stains indicative of petroleum-related contamination. Visual screening is generally more effective when contamination is related to heavier petroleum hydrocarbons such as motor oil, or when hydrocarbon concentrations are high. Sheen screening and headspace vapor screening are more sensitive methods which have been effective in detecting contamination at concentrations less than regulatory cleanup guidelines.

Sheen testing involves placing soil in water and observing the water surface for signs of sheen. Sheens observed are classified as follows:

No Sheen (NS)	No visible sheen on the water surface.
Slight Sheen (SS)	Light colorless sheen, spread is irregular, not rapid; film dissipates rapidly.
Moderate Sheen (MS)	Light to heavy film, may have some color or iridescence; spread is irregular to flowing, may be rapid; few remaining areas of no sheen on water surface.
Heavy Sheen (HS)	Heavy colorful film with iridescence; spread is rapid, and sheen flows off the sample; entire water surface may be covered with sheen.

Headspace vapor screening involves placing a soil sample in a plastic sample bag. Air is captured in the bag and the bag is shaken to expose the soil to the air trapped in the bag. The probe of a Bacharach TLV Sniffer is inserted in the bag and the TLV Sniffer records the concentrations of combustible vapor in the air removed from the sample headspace. The TLV Sniffer records concentrations in parts per million (ppm) and is calibrated to hexane. The TLV Sniffer is designed to quantify combustible gas concentrations in the range between 100 and 10,000 ppm.

Field screening results are site and boring specific. The results vary with temperature, soil type, soil moisture content and type of contaminant.

VAPOR PROBE CONSTRUCTION

Two-inch-diameter, Schedule 40 PVC pipe was installed in Boring VP-1 at the completion of drilling. The lower portion of the PVC pipe is machine slotted (0.02-inch slot width) to allow entry of hydrocarbon vapors and water (if present) into the well casing. Medium sand was placed in the borehole annulus surrounding the slotted portion of the PVC pipe. Vapor probe construction is indicated in Figure A-3.

CHEMICAL ANALYTICAL PROGRAM

One soil sample was analyzed by Analytical Technologies, Inc. The soil sample was analyzed for total petroleum hydrocarbons using freon extraction/infrared spectroscopy detection in accordance with EPA Method 418.1. Gas chromatography detection was used to quantify benzene, ethylbenzene, toluene and xylenes in accordance with EPA Method 8020.

The analytical data are presented in Appendix B.

SOIL CLASSIFICATION SYSTEM

MAJOR DIVISIONS			GROUP SYMBOL	GROUP NAME
COARSE GRAINED SOILS MORE THAN 50% RETAINED ON NO. 200 SIEVE	GRAVEL MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	CLEAN GRAVEL	GW	WELL-GRADED GRAVEL, FINE TO COARSE GRAVEL
			GP	POORLY-GRADED GRAVEL
		GRAVEL WITH FINES	GM	SILTY GRAVEL
			GC	CLAYEY GRAVEL
	SAND MORE THAN 50% OF COARSE FRACTION PASSES NO. 4 SIEVE	CLEAN SAND	SW	WELL-GRADED SAND, FINE TO COARSE SAND
			SP	POORLY-GRADED SAND
		SAND WITH FINES	SM	SILTY SAND
			SC	CLAYEY SAND
FINE GRAINED SOILS MORE THAN 50% PASSES NO. 200 SIEVE	SILT AND CLAY LIQUID LIMIT LESS THAN 50	INORGANIC	ML	SILT
			CL	CLAY
		ORGANIC	OL	ORGANIC SILT, ORGANIC CLAY
	SILT AND CLAY LIQUID LIMIT 50 OR MORE	INORGANIC	MH	SILT OF HIGH PLASTICITY, ELASTIC SILT
			CH	CLAY OF HIGH PLASTICITY, FAT CLAY
		ORGANIC	OH	ORGANIC CLAY, ORGANIC SILT
HIGHLY ORGANIC SOILS			PT	PEAT

NOTES:

1. Field classification is based on visual examination of soil in general accordance with ASTM D2488-83.
2. Soil classification using laboratory tests is based on ASTM D2487-83.
3. Descriptions of soil density or consistency are based on interpretation of blowcount data, visual appearance of soils, and/or test data.

SOIL MOISTURE MODIFIERS:

Dry – Absence of moisture, dusty, dry to the touch

Moist – Damp, but no visible water

Wet – Visible free water or saturated, usually soil is obtained from below water table

Geo Engineers

SOIL CLASSIFICATION SYSTEM

FIGURE A-1

0161-041-804

GEI 85-88

LABORATORY TESTS:

CA Chemical Analysis

FIELD SCREENING TESTS:

Headspace vapor concentration data given in parts per million

Sheen classification system:

NS No Visible Sheen
SS Slight Sheen
MS Moderate Sheen
HS Heavy Sheen
NT Not Tested

SOIL GRAPH:

SM Soil Group Symbol (See Note 2)

Distinct Contact Between Soil Strata

Gradual or Approximate Location of Change Between Soil Strata

Water Level

Bottom of Boring

BLOW-COUNT/SAMPLE DATA:

Blows required to drive a 2.4-inch I.D. split-barrel sampler 12 inches or other indicated distances using a 300-pound hammer falling 30 inches.

22 Location of relatively undisturbed sample

12 Location of disturbed sample

17 Location of sampling attempt with no recovery

Blows required to drive a 1.5-inch I.D. (SPT) split-barrel sampler 12 inches or other indicated distances using 140-pound hammer falling 30 inches.

10 Location of sample obtained in general accordance with Standard Penetration Test (ASTM D-1586) procedures

26 Location of SPT sampling attempt with no recovery

Location of grab sample

"P" indicates sampler pushed with weight of hammer or against weight of drill rig.

NOTES:

1. The reader must refer to the discussion in the report text, the Key to Boring Log Symbols and the exploration logs for a proper understanding of subsurface conditions.

2. Soil classification system is summarized in Figure A-1.

0161-041-804

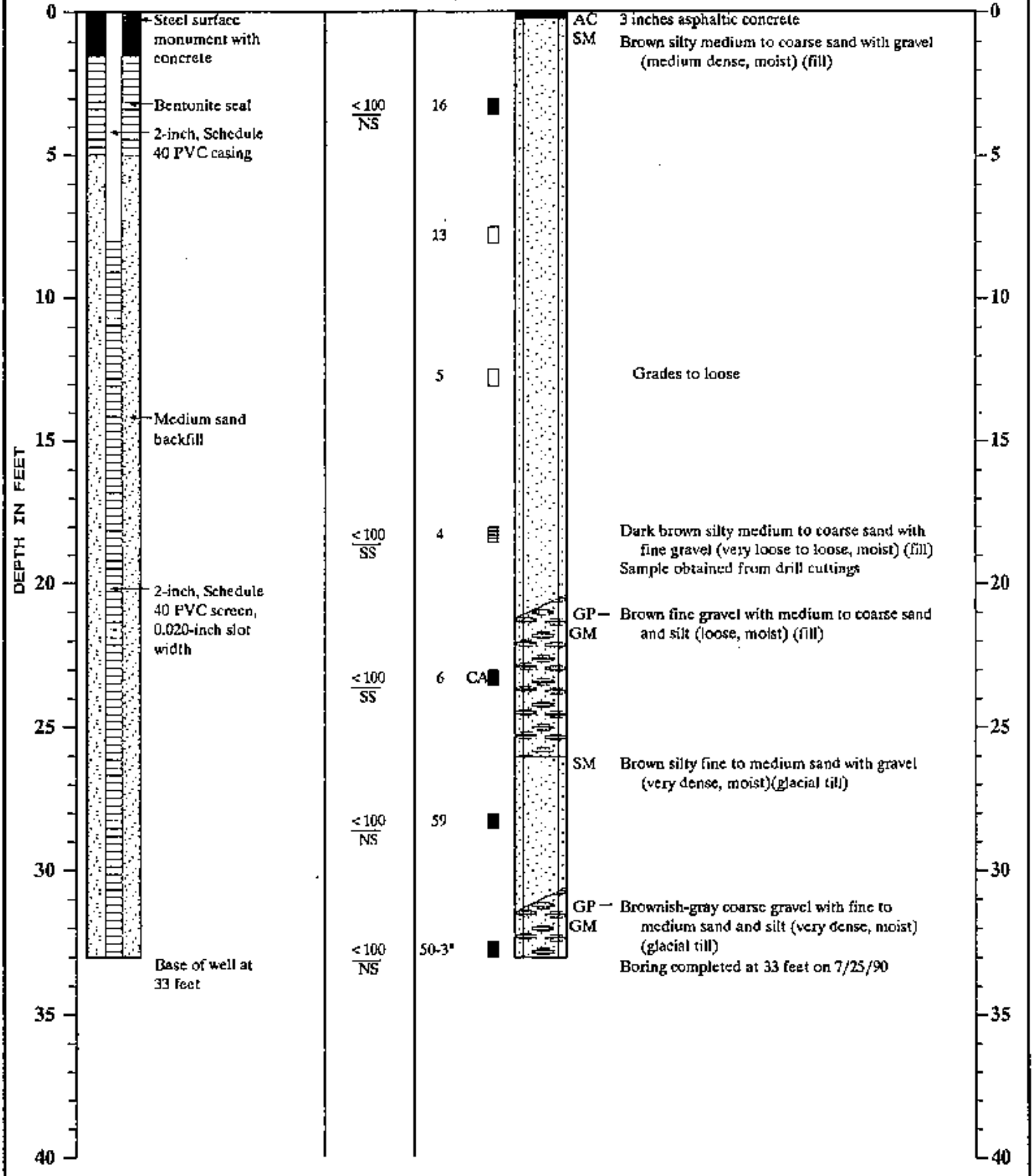
GEI 86-88 Rev. 6/90

Geo Engineers

KEY TO BORING LOG SYMBOLS

FIGURE A-2

VAPOR PROBE NO. VP-1



Note: See Figure A-2 for explanation of symbols

0161-041-B04 :SAK:TTF:KKT 9/20/90

GeoEngineers

Log of Vapor Probe

Figure A-3

APPENDIX B

Analytical Technologies, Inc. 560 Naches Avenue, S.W., Suite 101, Renton, WA 98055, (206) 228-8335

ATI I.D. # 9008-002

GeoEngineers

AUG 17 1990

Routing

File

August 16, 1990

GeoEngineers, Inc.
2405 140th Ave. NE
Suite 105
Bellevue, WA 98005

Attention : Terry Fisk

Project Number : 0161-041-B04

Project Name : Unocal

On August 1, 1990 Analytical Technologies, Inc. received one soil sample for analysis. The sample was analyzed with EPA methodology or equivalent methods as specified in the attached analytical schedule. The results, sample cross reference, and the quality control data are enclosed.

Mary C. Silva
Senior Project Manager

Frederick W. Grothkopp
Technical Manager

FWG/hbb

SAMPLE CROSS REFERENCE SHEET

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL

ATI #	CLIENT DESCRIPTION	DATE SAMPLED	MATRIX
9008-002-1	MW-1, #5	07/25/90	SOIL

----- TOTALS -----

MATRIX	# SAMPLES
SOIL	1

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

ANALYTICAL SCHEDULE

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL

ANALYSIS	TECHNIQUE	REFERENCE	LAB
BETX	GC/PID	EPA 8020	R
PETROLEUM HYDROCARBONS	IR	EPA 418.1	R
MOISTURE	GRAVIMETRIC	METHOD 7-2.2	R

R = ATI - Renton
SD = ATI - San Diego
T = ATI - Tempe
PNR = ATI - Pensacola
FC = ATI - Fort Collins
SUB = Subcontract

PURGEABLE AROMATICS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: N/A
PROJECT #	: 0161-041-B04	DATE RECEIVED	: N/A
PROJECT NAME	: UNOCAL	DATE EXTRACTED	: 08/02/90
CLIENT I.D.	: REAGENT BLANK	DATE ANALYZED	: 08/06/90
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8020 (BETX)	DILUTION FACTOR	: 1

RESULTS BASED ON DRY WEIGHT

COMPOUND	RESULT
BENZENE	<0.025
ETHYLBENZENE	<0.025
TOLUENE	<0.025
TOTAL XYLENES	<0.025

SURROGATE PERCENT RECOVERY

BROMOFLUOROBENZENE	99

PURGEABLE AROMATICS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 07/25/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 08/01/90
PROJECT NAME	: UNOCAL	DATE EXTRACTED	: 08/02/90
CLIENT I.D.	: MW-1, #5	DATE ANALYZED	: 08/06/90
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8020 (BETX)	DILUTION FACTOR	: 1

RESULTS BASED ON DRY WEIGHT

COMPOUND	RESULT
BENZENE	<0.025
ETHYLBENZENE	<0.025
TOLUENE	<0.025
TOTAL XYLENES	<0.025

SURROGATE PERCENT RECOVERY

BROMOFLUOROBENZENE	85

PURGEABLE AROMATICS
QUALITY CONTROL DATA

CLIENT	: GEOENGINEERS, INC.	SAMPLE I.D.	: 9007-279-5
PROJECT #	: 0161-041-B04	DATE EXTRACTED	: 08/01/90
PROJECT NAME	: UNOCAL	DATE ANALYZED	: 08/02/90
EPA METHOD	: 8020 (BETX)	MATRIX	: SOIL
		UNITS	: mg/Kg

COMPOUND	SAMPLE RESULT	SPIKE ADDED	SPIKED SAMPLE	% REC	DUP SPIKED SAMPLE	DUP % REC	RPD
BENZENE	<0.025	0.60	0.491	82	0.539	90	9
TOLUENE	0.114	0.60	0.549	73	0.600	81	9
TOTAL XYLENES	0.343	0.83	1.02	81	0.950	73	7

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GENERAL CHEMISTRY RESULTS

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL

SAMPLE MATRIX : SOIL
UNITS : mg/Kg

ATI I.D. #	CLIENT I.D.	PETROLEUM HYDROCARBONS
9008-002-1	MW-1, #5	420

GENERAL CHEMISTRY QUALITY CONTROL

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-BO4
PROJECT NAME : UNOCAL

SAMPLE MATRIX : SOIL
UNITS : mg/Kg

PARAMETER	ATI I.D.	SAMPLE RESULT	DUP RESULT	RPD	SPIKED RESULT	SPIKE ADDED	% REC
PETROLEUM HYDROCARBONS	9002-217-9	1,200	1,300	8	**	**	**
PETROLEUM HYDROCARBONS	9007-233-6	6	11	59	274	255	105

** Due to the necessary dilution of the sample, result was not attainable.

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GENERAL CHEMISTRY RESULTS

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL

SAMPLE MATRIX : SOIL
UNITS : %

ATI I.D. #	CLIENT I.D.	MOISTURE
9008-002-1	MW-1, #5	12

GENERAL CHEMISTRY QUALITY CONTROL

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL

SAMPLE MATRIX : SOIL
UNITS : %

PARAMETER	ATI I.D.	SAMPLE RESULT	DUP RESULT	RPD	SPIKED RESULT	SPIKE ADDED	% REC
MOISTURE	9007-274-3	6.9	7.0	1	N/A	N/A	N/A
MOISTURE	9007-231-2	28	28	0	N/A	N/A	N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

Analytical Technologies, Inc.

560 Naches Avenue SW, Suite 101 Renton, WA 98055 (206)228-8335

Chain of Custody

DATE 8/1/90 PAGE 1 OF 1

LABORATORY NUMBER:

PROJECT MANAGER: Terry Fick
COMPANY: GeoEngineers Inc
ADDRESS: 2101 4th Ave NE
Bellevue WA 98005
PHONE: 746-5200 SAMPLED BY: SAK

SAMPLE DISPOSAL INSTRUCTIONS

☒ ATI Disposal @ $5.00 each ☐ Return

SAMPLE ID	DATE	TIME	MATRIX	LAB ID
MW-1 #5	7/31/90	13:00	Soil	-1

ANALYSIS REQUEST

8010 Halogenated Volatiles	8020 Aromatic Volatiles	BETX ONLY	8240 GCMS Volatiles	8270 GCMS BNA	8310 HPLC PNA	8080 Pesticides & PCB's	PCB's ONLY	8140 Phosphate Pesticides	8150 Herbicides	WDOE PAH/HH (WAC 173)	418.1 (TPH)	413.2 Grease & Oil	8015 (Modified)	TOC 9060	TOX 9020	% Moisture	EP TOX Metals (8) EP EXT	Priority Pollutant Metals (13)	TCLP ONLY: 8080 Pesticide (4)	TCLP ONLY: 8240 ZH-EXT	TCLP ONLY: 8270	TCLP ONLY: 8150 Herbicides (2)	TCLP ONLY: Metals (8)			NUMBER OF CONTAINERS
		X									X															1

PROJECT INFORMATION

PROJECT NUMBER: 1111.005.005
PROJECT NAME: Mead
PURCHASE ORDER NUMBER:
ONGOING PROJECT? YES ☐ NO ☒

SAMPLE RECEIPT

TOTAL NUMBER OF CONTAINERS	1
COC SEALS/INTACT? Y/N/NA	Y
RECEIVED GOOD COND./COLD	Y/Y
RECEIVED VIA:	

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

TAT: (NORMAL) ☐ 2WKS (RUSH) ☐ 24HR ☐ 48 HRS ☐ 72 HRS ☒ 1 WK

GREATER THAN 24 HR. NOTICE? YES ☐ NO ☒ (LAB USE ONLY)

SPECIAL INSTRUCTIONS:

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Time:	Signature: Time:	Signature: Time:
Printed Name: Terry Fick Date: 8/1/90	Printed Name: Date:	Printed Name: Date:
Company: GEI	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: Time:	Signature: Time:	Signature: Time: 940
Printed Name: Date:	Printed Name: Date:	Printed Name: Date: 8-1-90
Company:	Company:	Analytical Technologies, Inc.

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B - 11

[redacted]

No. 1241

Consulting Geotechnical
Engineers and Geologists

GeoEngineers

Final Cleanup Report
Soils Contamination

REPORT OF REMEDIAL ACTION
UNDERGROUND STORAGE TANK REMOVAL
UNOCAL SERVICE STATION 6227
KING COUNTY, WASHINGTON
FOR
UNOCAL

RECEIVED
APR 12 1991
DEPT. OF ECOLOGY

4/23/91 Final Cleanup Report
Soils Contamination

REPORT OF REMEDIAL ACTION
UNDERGROUND STORAGE TANK REMOVAL
UNOCAL SERVICE STATION 6227
KING COUNTY, WASHINGTON
FOR
UNOCAL

GeoEngineers

April 10, 1991

Consulting Geotechnical
Engineers and Geologists

Unocal
P.O. Box 76
Seattle, Washington 98111

Attention: Mr. Leigh Carlson

We are submitting five copies of our report of remedial action for Unocal Service Station 6227 located in King County, Washington. Our services for this project were authorized verbally by Mr. Leigh Carlson of Unocal on December 12, 1990. Contractual terms for our services are listed in blanket contract number B1982C.

We appreciate the opportunity to be of continued service to Unocal. Please call if you have any questions regarding this report or our services.

Yours very truly,

GeoEngineers, Inc.

James A. Miller, P.E.
Principal

TTF:JAM:db

cc: Attn: Mr. Joseph Hickey
Washington Dept. of Ecology
Northwest Regional Office
4350 - 150th Ave. N.E.
Redmond, WA 98052-5301

File No. 0161-041-B04

GeoEngineers, Inc.
2405 140th Ave. NE, Suite 105
Bellevue, WA 98005
Telephone (206) 746-5200
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GeoEngineers

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GeoEngineers

REPORT OF REMEDIAL ACTION
UNDERGROUND STORAGE TANK REMOVAL
UNOCAL SERVICE STATION 6227
KING COUNTY, WASHINGTON
FOR
UNOCAL

INTRODUCTION AND SCOPE

This report summarizes the results of GeoEngineers' observations during the removal of the underground storage tanks at the site of Unocal Service Station 6227 near Federal Way in King County, Washington. The site is located northwest of the intersection between Pacific Highway South and Dash Point Road, as shown in Figure 1. The general layout of the site is shown in Figure 2. The storage tanks were removed from the site during December 1990 and January 1991. The tanks removed during this study were installed at the site in September 1989.

GeoEngineers previously completed three studies at the site. We provided geotechnical services regarding fill embankment and storm drain replacement in 1987. The results of our geotechnical consultation are presented in our report dated June 4, 1987. We observed the removal of the former underground gasoline, waste oil and heating oil tanks in September 1989. The results of our observations during removal of the former tanks are presented in our report dated November 27, 1989. We drilled one exploration boring and installed a vapor well casing (VP-1) in the boring during July 1990. The results of our vapor well exploration are presented in our report dated January 17, 1991.

Information provided by Unocal indicates that the service station facilities were constructed in 1969. A survey completed in February 1969 indicates that the site was covered primarily with vegetation prior to construction of the service station facilities. Two frame buildings were located in the southwest corner of the site in February 1969. We understand that the underground storage tanks removed from the site during 1989 were the tanks installed originally in 1969.

Two 12,000-gallon double-wall, fiberglass-coated steel gasoline storage tanks; associated product lines; one 520-gallon double-wall, fiberglass-coated steel waste oil tank; and the vapor well were removed from the site between December 13, 1990 and January 10, 1991. The underground storage tanks, product lines and vapor well were not replaced.

The purpose of our services was to observe and evaluate subsurface soil conditions in the excavations and to evaluate the need for remedial actions at the site. GeoEngineers' scope of services completed for this project is listed below.

1. Observe and document the excavation and removal of the underground storage tanks, product lines and vapor well at the site.
2. Obtain soil samples from the limits of the excavations and from soil stockpiles for chemical analysis of petroleum-related contaminants. Conduct field screening on each soil sample for evidence of contamination using visual, water sheen and headspace vapor screening methods. Field screening methods are described in Appendix A.
3. Submit selected soil samples from the excavations and soil stockpiles for one or more of the following chemical analyses: TPH (total petroleum hydrocarbons) by EPA Method 418.1; fuel hydrocarbons by modified EPA Method 8015; BETX (benzene, ethylbenzene, toluene, xylenes) by EPA Method 8020; lead by EPA Method 7420; and TCLP (toxicity characteristic leaching procedure) metals by EPA 7000 series methodology.
4. Evaluate the field and laboratory data with regard to existing regulatory concerns.
5. Arrange for disposal of soil with petroleum-related contamination at the Kitsap County Landfill.

SOIL EXCAVATION AND SAMPLING

GENERAL

Sleister (A.L. Sleister and Sons Construction, Inc.) excavated and removed the underground storage tanks, product lines and vapor well at the site. Sleister was also responsible for the excavation of petroleum-contaminated soil encountered at the site. A representative of GeoEngineers was present to observe the tank removal and soil excavation activities, and to obtain soil samples from the excavations. Soil removed from the excavations was placed in temporary on-site stockpiles. The stockpiles were segregated according to the source of the soil and the relative degree of contamination based on field screening. Composite soil samples were collected from each individual stockpile.

The former locations of the underground storage tanks and the vapor well, the limits of the excavations and the soil sample locations are shown in Figure 2. The soil sample analytical data are summarized in Tables 1, 2 and 3. Laboratory data sheets and chain-of-custody records are included in Appendix B.

Ecology (Washington State Department of Ecology) has established soil cleanup levels under MTCA (Model Toxics Control Act). The MTCA Method A soil cleanup levels for petroleum-related contamination are listed below.

Compound	MTCA Cleanup Level
Benzene	0.5 mg/kg
Ethylbenzene	20 mg/kg
Toluene	40 mg/kg
Xylenes	20 mg/kg
TPH (quantified as gasoline)	100 mg/kg
TPH (quantified as diesel)	200 mg/kg
TPH (other)	200 mg/kg
Total Lead	250 mg/kg

Note: mg/kg = milligrams per kilogram.

WASTE OIL TANK EXCAVATION

The waste oil tank was removed on December 13, 1990. Corrosion or pitting were not observed on the tank. Backfill surrounding the tank consisted of fine to medium sand. Soil encountered in the walls and base of the excavation consisted of gravelly sand with thin layers of gravel and cobbles. Ground water was not encountered in the excavation.

Seven discrete soil samples (WO-1 through WO-7) were obtained from the limits of the waste oil tank excavation on December 13, 1990. One sample (WO-8 composite) was obtained from the stockpiled soil on December 13, 1990. The soil samples obtained from the waste oil tank excavation limits and soil stockpile were submitted for chemical analysis of TPH and fuel hydrocarbons.

The sample obtained from the soil stockpile was also analyzed for TCLP metals. Soil sample analytical results are summarized in Table 1. Soil sample locations are shown in Figure 2.

The concentration of TPH (210 mg/kg) exceeded the MTCA cleanup level in sample WO-1 obtained from the base of the excavation. Fuel hydrocarbons were not detected in sample WO-1. TPH and fuel hydrocarbons were either not detected or were detected at concentrations less than MTCA cleanup levels in the remaining samples. Additional soil was removed from the waste oil tank excavation on December 31, 1990. Sample WO-8 (a discrete sample) was obtained from the base of the excavation after the additional soil was removed and submitted for chemical analysis of TPH and fuel hydrocarbons. TPH and fuel hydrocarbons either were not detected or were detected at concentrations less than MTCA cleanup levels in sample WO-8.

GASOLINE TANK EXCAVATION

The gasoline storage tanks were removed on December 18, 1990. Corrosion or pitting were not observed on the two gasoline tanks. Remedial activities at the site were suspended between December 19 and 30, 1990, because of weather conditions.

Backfill surrounding the tanks consisted of fine to medium sand. Fine to medium gravelly sand with thin layers of gravel and cobbles was encountered in the walls and base of the gasoline tank excavation. Evidence of petroleum-related contamination was not observed in the tank backfill or in the walls and base of the excavation. Ground water was not encountered in the excavation.

Five discrete soil samples (G-1 through G-5) were obtained from the limits of the excavation on December 31, 1990. Four composite samples (SP-1, SP-2, G-SP-A and G-SP-B) were obtained from the stockpiled soil. The soil samples were analyzed for BETX and fuel hydrocarbons. All of the samples, excluding composite samples SP-2 and G-SP-A, were also submitted for analysis of total lead. Soil sample analytical results are summarized in Table 2. Soil sample locations are shown in Figure 2.

Test results indicated that BETX and fuel hydrocarbons were not detected in the soil samples. Lead was detected at concentrations greater than MTCA cleanup levels in samples G-3 and G-4, obtained from the base of

the excavation (770 mg/kg and 460 mg/kg, respectively). Lead was not detected at concentrations greater than the MTCA guideline of 250 mg/kg in the remaining samples.

Additional soil was removed from the excavation on January 30 and 31, 1991, based on the concentrations of lead detected in G-3 and G-4. Three discrete soil samples (G-6 through G-8) and four composite samples (GSP-5 through GSP-8) were obtained and submitted for analysis of lead after the additional soil excavation. Sample G-8 was also analyzed for BETX and fuel hydrocarbons. The concentrations of lead in samples G-6 through G-8, and GSP-5 through GSP-8 either were not detected or were less than MTCA cleanup levels (Table 2). BETX was not detected in sample G-8.

PRODUCT LINE EXCAVATIONS

Five discrete soil samples (PL-1 through PL-5) were obtained from the product line excavations on December 31, 1990 and submitted for analysis of BETX and fuel hydrocarbons. Soil sample analytical results are summarized in Table 3. Soil sample locations are shown in Figure 2. Fuel hydrocarbons (quantified as gasoline) were detected at concentrations greater than MTCA cleanup levels in sample PL-3. Ethylbenzene and xylenes were detected at concentrations less than MTCA cleanup levels in sample PL-3. Benzene and toluene were not detected in this sample. Sample PL-3 was obtained from the western portion of the service islands adjacent to Pacific Highway South, as shown in Figure 2. BETX and fuel hydrocarbons were not detected in the remaining samples.

Additional soil was removed from the product line excavation in the vicinity of PL-3 on January 9, 1991. Three discrete soil samples (PL-6 through PL-8) and one composite sample (PL-SP) were obtained and submitted for analysis of BETX and fuel hydrocarbons after the additional soil was removed. Test results indicated that BETX and fuel hydrocarbons were not detected in these samples. Sample PL-6 also was analyzed for total lead. Lead was not detected in sample PL-6.

VAPOR WELL TEST PIT EXCAVATION

TPH was detected at a concentration of 420 mg/kg in the soil sample tested from a depth of 23 feet in vapor well VP-1 at the time the well was constructed in July 1990. BETX was not detected in this sample. A test pit excavation was completed on January 9 and 10, 1991 at the location of VP-1 to determine the source and extent of the petroleum hydrocarbons detected

in the sample from 23 feet. The vapor well casing was removed during the excavation activities. Ground water was not present in the well casing in July 1990 or on January 9, 1991. As indicated in our report dated January 17, 1991, we expect that the depth to ground water beneath the site is greater than 100 feet.

The vapor well excavation was completed at a depth of about 18 feet. Excavation deeper than 18 feet was not possible because of severe sloughing of the test pit sidewalls. Excavation was suspended after two active utilities crossing the site were undermined by sloughing from the excavation sidewalls. Approximately 180 cubic yards of soil were removed from the vapor well test pit excavation. The excavation was backfilled on January 10, 1990, with the soil that was removed from the excavation.

Three discrete soil samples (VW-1, VW-2 and VW-3) were obtained from the depths of 13, 16 and 18 feet in the excavation. Three composite samples (VWSP-1, VWSP-2 and VWSP-3) were obtained from the soil stockpile. The samples were collected on January 9 and 10, 1991. The soil samples were analyzed for fuel hydrocarbons and TPH. The results of analytical testing are summarized in Table 1.

Fuel hydrocarbons were not detected in any of the six samples. TPH was detected at concentrations less than MTCA cleanup levels in all of the samples, except VW-2. TPH was detected at a concentration of 280 mg/kg in VW-2. Examination of the chromatograms included with the fuel hydrocarbons analysis for the six samples obtained from the vapor well excavation and soil stockpile indicates that petroleum hydrocarbons are either not present or are present at very low concentrations in the soil removed from the vicinity of VP-1.

SOIL DISPOSAL AND BACKFILLING OF EXCAVATIONS

Approximately 110 cubic yards of soil were stockpiled at the site pending disposal at the Kitsap County Sanitary Landfill. The stockpile consisted of about 50 cubic yards of petroleum-contaminated soil from the waste oil tank excavation; about 50 cubic yards of lead-contaminated soil from the gasoline tank excavation; and about 10 cubic yards of gasoline-contaminated soil from the product line excavation.

One composite sample (WO-8 composite) was obtained from the stockpile of soil removed from the waste oil tank excavation. The sample was analyzed for fuel hydrocarbons, TPH and TCLP metals. The concentrations of fuel

hydrocarbons, TPH and TCLP metals either were nondetected or were less than MTCA cleanup guidelines in this sample (Table 1). The soil stockpile was not used as backfill, however, because the stockpile includes soil removed from the base of the excavation after TPH was detected at a concentration of 210 mg/kg in sample WO-1. A separate soil sample (sample 7a) obtained from the waste oil tank excavation during our 1989 study was tested for PCBs, purgeable halocarbons and flash point. PCBs and purgeable halocarbons were not detected in this sample. The flash point was greater than 200 degrees Fahrenheit.

One composite soil sample (GSP-8) was obtained from the stockpile of soil removed from the gasoline tank excavation after lead was detected at concentrations greater than MTCA cleanup levels in samples G-3 and G-4. Lead was detected at a concentration of 44.2 mg/kg in sample GSP-8. This soil stockpile will be transported to the landfill based on the lead concentrations detected in G-3 and G-4.

Approximately 10 cubic yards of soil were excavated from the service island excavation after fuel hydrocarbons (quantified as gasoline) were detected at a concentration of 110 mg/kg in sample PL-3. This soil also will be transported to the landfill.

We received permission for disposal of the soil at Kitsap County Landfill on March 5, 1991. The soil was transported to the landfill by CW Trucking & Excavating of Poulsbo, Washington, on March 19, 1991.

Composite samples obtained from the remaining gasoline tank and product line soil stockpiles (SP-1, SP-2, G-SP-A, G-SP-B, GSP-5, GSP-6, GSP-7 and PL-SP) were analyzed for one or more of the following: fuel hydrocarbons, BETX and lead. The concentrations of fuel hydrocarbons, BETX and lead either were nondetected or were less than MTCA cleanup guidelines in these samples (Tables 2 and 3). The soil stockpiles that these samples were collected from were used to backfill the excavations at the site based on the chemical analytical data. The waste oil tank and product line excavations were backfilled by Sleister on March 25, 1991. The gasoline storage tank excavation was not backfilled, as requested by Unocal on March 22, 1991.

CONCLUSIONS

The results of our observations and chemical testing indicate that petroleum-related contamination of regulatory significance is not present

in the vicinity of the underground storage tank and product line excavations at the site of Unocal Service Station 6227. Soil samples collected from the final limits of the excavations and from the stockpiles used to backfill the excavations did not contain petroleum-related contaminants at concentrations exceeding MTCA Method A cleanup levels.

As indicated in previous reports, the service station facilities are constructed on imported fill placed at the head of a ravine. It is possible that the concentrations of TPH detected in soil samples from the vapor well excavation and the sample obtained from a depth of 23 feet in the vapor well boring are the result of interferences caused by organic matter present in the imported fill. In our opinion, petroleum-related contamination of regulatory significance is not present in the location of the former vapor well at this site.

LIMITATIONS

We have prepared this report for use by Unocal. This report may be made available to regulatory agencies. This report is not intended for use by others and the information contained herein is not applicable to other sites.

Our interpretation of soil conditions during remediation is based on field observations and chemical analytical data. It is possible that areas with contamination may exist in portions of the site that were not excavated or analyzed. In addition, regulatory requirements may change and could be applied retroactively.

- o O o -

GeoEngineers

Within the limitations of scope, schedule and budget, our services have been executed in accordance with generally accepted practices in this area at the time this report was prepared. No other conditions, express or implied, should be understood.

Respectfully submitted,

GeoEngineers, Inc.

Terry T. Fisk
Project Geologist

James A. Miller, P.E.
Principal

TTF:JAM:db

TABLE 1
SUMMARY OF SOIL ANALYTICAL DATA
WASTE OIL TANK AND VAPOR WELL EXCAVATIONS

Sample Number	Sampling Date	General Sample Location	Depth of Sample (feet)	Field Screening Results(1)		TPH(2) (mg/kg)	Fuel Hydrocarbons(3) (mg/kg)	
				Headspace Vapors (ppm)	Sheen Test		Gasoline	Diesel
WO-1(4)	12/13/90	North base, waste oil tank excavation	12.0	<100	NS	210	<5	<5
WO-2	12/13/90	North wall, waste oil tank excavation	7.0	<100	NS	21	<5	<5
WO-3	12/13/90	North wall, waste oil tank excavation	2.0	<100	SS	28	<5	<5
WO-4	12/13/90	West base, waste oil tank excavation	12.0	<100	NS	<5	<5	<5
WO-5	12/13/90	South base, waste oil tank excavation	12.0	<100	SS	8	<5	<5
WO-6	12/13/90	Central base, waste oil tank excavation	13.0	<100	NS	21	<5	<5
WO-7	12/13/90	East base, waste oil tank excavation	12.0	<100	NS	28	<5	<5
WO-8(5)	12/13/90	Composite from waste oil tank excavation	Composite	<100	SS	55	<5	<5
WO-8(5)	12/31/90	North base, waste oil tank excavation	12.5	<100	SS	47	<5	<5
VW-1(4)	01/09/91	Vapor well test pit	13.0	<100	SS	170	<5	<5
VW-2(4)	01/09/91	Vapor well test pit	16.0	<100	SS	280	<5	<5
VW-3	01/10/91	Vapor well test pit	18.0	<100	SS	33	<5	<5
VWSP-1	01/10/91	Composite from vapor well excavation	Composite	<100	SS	34	<5	<5
VWSP-2	01/10/91	Composite from vapor well excavation	Composite	<100	SS	12	<5	<5
VWSP-3	01/10/91	Composite from vapor well excavation	Composite	<100	SS	50	<5	<5

Notes:

(1) Refer to Appendix A for a description of field screening methods.

(2) TPH = total petroleum hydrocarbons. TPH analyzed by EPA Method 418.1.

(3) Analyzed by modified EPA Method 8015.

(4) Additional soil was removed during supplemental excavation.

(5) Also analyzed for TCLP metals. Barium was detected at a concentration less than 1 mg/l in each sample. Other metals were not detected.

NS = no sheen, SS = slight sheen

mg/kg = milligrams per kilogram

ppm = parts per million

TABLE 2
SUMMARY OF SOIL ANALYTICAL DATA
GASOLINE TANK EXCAVATION

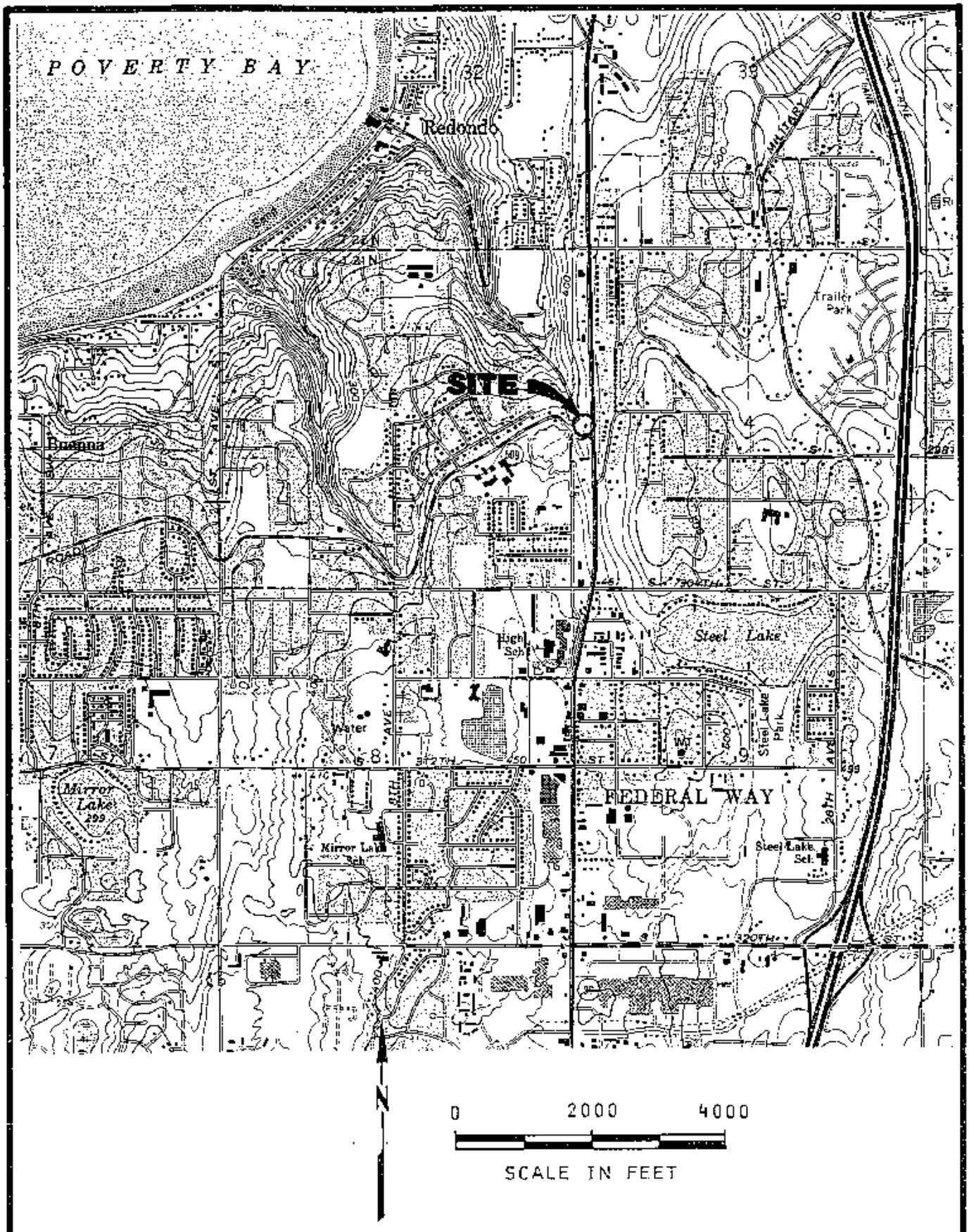
Sample Number	Sampling Date	General Sample Location	Depth of Sample (feet)	Field Screening Results(1)		BETX(2) (mg/kg)				Fuel Hydrocarbons(3) (mg/kg)		Lead(4) (mg/kg)
				Headspace Vapors (ppm)	Sheen Test	B	E	T	X	Gasoline	Diesel	
G-1	12/31/90	South base, gas tank excavation	13.0	<100	NS	<0.025	<0.025	<0.025	<0.025	<5	<5	<10
G-2	12/31/90	Southwest base, gas tank excavation	14.0	<100	NS	<0.025	<0.025	<0.025	<0.025	<5	<5	<10
G-3(5)	12/31/90	North base, gas tank excavation	14.0	<100	NS	<0.025	<0.025	<0.025	<0.025	<5	<5	770
G-4(5)	12/31/90	Northwest base, gas tank excavation	13.0	<100	NS	<0.025	<0.025	<0.025	<0.025	<5	<5	460
G-5	12/31/90	East base, gas tank excavation	13.0	<100	NS	<0.025	<0.025	<0.025	<0.025	<5	<5	<10
G-6	01/31/91	North base, gas tank excavation	17.0	<100	NS	—	—	—	—	—	—	14.8
G-7	01/31/91	Northwest base, gas tank excavation	17.0	<100	SS	—	—	—	—	—	—	23.4
G-8	01/31/91	Central base, gas tank excavation	17.0	<100	NS	<0.050	<0.050	<0.050	<0.050	<10	<10	11.0
SP-1	12/31/90	Composite from gas tank excavation	Composite	<100	SS	<0.025	<0.025	<0.025	<0.025	<5	<5	<10
SP-2	12/31/90	Composite from gas tank excavation	Composite	<100	SS	<0.025	<0.025	<0.025	<0.025	<5	<5	—
G-SP-A	01/09/91	Composite from gas tank excavation	Composite	<100	SS	<0.025	<0.025	<0.025	<0.025	<5	<5	—
G-SP-B	01/09/91	Composite from gas tank excavation	Composite	<100	SS	<0.025	<0.025	<0.025	<0.025	<5	<5	<10
GSP-5	01/30/91	Composite from gas tank excavation	Composite	<100	SS	—	—	—	—	—	—	<1.2
GSP-6	01/30/91	Composite from gas tank excavation	Composite	<100	SS	—	—	—	—	—	—	<1.2
GSP-7	01/30/91	Composite from gas tank excavation	Composite	<100	SS	—	—	—	—	—	—	2.8
GSP-8	01/31/91	Composite from gas tank excavation	Composite	<100	SS	—	—	—	—	—	—	44.2

Notes:
(1) Refer to Appendix A for a description of field screening methods.
(2) B = benzene, E = ethylbenzene, T = toluene, X = xylenes. BETX analyzed by EPA Method 8020.
(3) Analyzed by modified EPA Method 8015.
(4) Analyzed by EPA Method 7420.
(5) Additional soil was removed during supplemental excavation.
NS = no sheen; SS = slight sheen.
mg/kg = milligrams per kilogram
ppm = parts per million
"—" = not tested.

TABLE 3
SUMMARY OF SOIL ANALYTICAL DATA
PRODUCT LINE EXCAVATIONS

Sample Number	Sampling Date	General Sample Location	Depth of Sample (feet)	Field Screening Results(1)		BETX(2) (mg/kg)				Fuel Hydrocarbons(3) (mg/kg)		Lead(4) (mg/kg)
				Headspace Vapors (ppm)	Sheen Test	B	E	T	X	Gasoline	Diesel	
PL-1	12/31/90	South island, product line excavation	3.0	<100	MS	<0.025	<0.025	<0.025	<0.025	<5	<5	--
PL-2	12/31/90	South island, product line excavation	2.5	<100	SS	<0.025	<0.025	<0.025	<0.025	<5	<5	—
PL-3(5)	12/31/90	Northwest island, product line excavation	3.0	<100	HS	<0.025	0.096	<0.025	1.6	110	<5	--
PL-4	12/31/90	Northeast island, product line excavation	3.0	<100	SS	<0.025	<0.025	<0.025	<0.025	<5	<5	—
PL-5	12/31/90	Northwest island, product line excavation	2.5	<100	SS	<0.025	<0.025	<0.025	<0.025	<5	<5	—
PL-6	01/09/91	Northwest island, product line excavation	2.0	<100	NS	<0.025	<0.025	<0.025	<0.025	<5	<5	<10
PL-7	01/09/91	Northwest island, product line excavation	2.0	<100	SS	<0.025	<0.025	<0.025	<0.025	<5	<5	—
PL-8	01/09/91	Northwest island, product line excavation	1.5	<100	NS	<0.025	<0.025	<0.025	<0.025	<5	<5	—
PL-SP	01/09/91	Composite from product line excavation	Composite	<100	SS	<0.025	<0.025	<0.025	<0.025	<5	<5	—

Notes:
(1) Refer to Appendix A for a description of field screening methods.
(2) B = benzene, E = ethylbenzene, T = toluene, X = xylenes. BETX analyzed by EPA Method 8020.
(3) Analyzed by modified EPA Method 8015.
(4) Analyzed by EPA Method 7420.
(5) Additional soil was removed during supplemental excavation.
NS = no sheen; SS = slight sheen; MS = moderate sheen; HS = heavy sheen
mg/kg = milligrams per kilogram
ppm = parts per million
"—" = not tested



REFERENCE: USGS 7.5' TOPOGRAPHIC QUADRANGLE MAP "POVERTY BAY, WASH."

0101-041-804 TTF:KKT 3-6-91

Geo Engineers

VICINITY MAP

FIGURE 1

PACIFIC HIGHWAY SOUTH

Planter

Planter

Planter

Service Islands

PL-4

PL-8

PL-5

G-3

G-6

PL-3

PL-6

PL-7

G-5

Underground Gasoline Storage Tanks (Removed)

G-1

G-8

G-4

G-7

G-2

Underground Waste Oil Tank (Removed)

Service Station Building

See Inset

Concrete Slab

Service Island

Concrete Slab

PL-2

PL-1

Planter

VW-1

VW-2

VW-3

Vapor Well (Removed)

Property Line

DASH POINT ROAD

Planter

Inset: Waste Oil Tank Excavation

WO-7

WO-2

WO-5

WO-8

WO-6

WO-1

WO-3

WO-4

0 20 40

SCALE IN FEET

EXPLANATION:

G-1 SOIL SAMPLE LOCATION AND NUMBER

LIMITS OF EXCAVATIONS COMPLETED IN DECEMBER 1990 AND JANUARY 1991

REFERENCE: DRAWING ENTITLED "GENERAL ARRANGEMENT, SERVICE STATION 6227, PACIFIC HWY. S. & DASH PT. ROAD, KING CO., WASHINGTON", DATED 3/24/69, BY UNOCAL.

GeoEngineers

SITE PLAN

FIGURE 2

0161-041-804 JF:KKT 9-25-89

APPENDIX A

GeoEngineers

APPENDIX A

FIELD SCREENING OF SOIL SAMPLES

A GeoEngineers representative conducted field screening on soil samples obtained from the storage tank, product line and test pit excavations. Field screening results are used as a general guideline to delineate areas of potential petroleum-related contamination in soils. In addition, screening results are used to aid in the selection of soil samples for chemical analysis. The field screening methods employed included: (1) visual examination, (2) sheen testing and (3) headspace vapor testing using a Bacharach TLV Sniffer calibrated to hexane. The results of headspace and sheen screening are included in Tables 1, 2 and 3 in the text of this report.

Visual screening consists of inspecting the soil for the presence of stains indicative of petroleum-related contamination. Visual screening is generally more effective when contamination is related to heavier petroleum hydrocarbons such as motor oil, or when hydrocarbon concentrations are high. Sheen testing and headspace vapor screening are more sensitive methods which have been effective in detecting contamination at concentrations less than MTCA cleanup levels.

Sheen testing involves immersion of a soil sample in water and observing the water surface for signs of sheen. Sheens are classified as follows:

NS - No Sheen	No visible sheen on water surface.
SS - Slight Sheen	Light colorless sheen, spotty to globular; spread is irregular, not rapid; areas of no sheen remain; film dissipates rapidly.
MS - Moderate Sheen	Light to heavy film, may have some color or iridescence, globular to stringy; spread is irregular to flowing, may be rapid; few remaining areas of no sheen.
HS - Heavy Sheen	Heavy colorful film with iridescence; spread is rapid, and sheen flows off the sample; entire water surface may be covered with sheen.

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Headspace vapor screening involves placing a soil sample in a plastic sample bag. Air is captured in the bag and the bag is shaken to expose the soil to the air trapped in the bag. The probe of a Bacharach TLV Sniffer is used to puncture the bag, the instrument withdraws the air in the bag and the TLV Sniffer records the concentration of combustible vapors present within the sample bag headspace. The TLV Sniffer records vapor concentration in ppm (parts per million) and is calibrated to hexane. The TLV Sniffer is designed to quantify combustible vapor concentrations ranging between 100 and 10,000 ppm.

Field screening results are site specific. The results vary with soil type, ambient air temperature, soil moisture content, soil organic content and type of contaminant.

CHEMICAL ANALYTICAL PROGRAM

Soil samples were submitted to Analytical Technologies, Inc. and Sound Analytical Services, Inc. for laboratory analyses. Soil samples were analyzed for one or more of the following analyses: TPH (total petroleum hydrocarbons) using infrared spectroscopy detection in accordance with EPA Method 418.1; fuel hydrocarbons using gas chromatography with flame ionization detection in accordance with modified EPA Method 8015; BETX (benzene, ethylbenzene, toluene and xylenes) using gas chromatography with photoionization detection in accordance with EPA Method 8020; lead using atomic absorption detection in accordance with EPA Method 7420; and TCLP (toxic characteristics leaching procedure) metals using atomic absorption detection in accordance with EPA 7000 series methodology.

Chain-of-custody procedures were observed in transporting the soil samples to the analytical laboratories. Laboratory data sheets and chain-of-custody records are presented in Appendix B.

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APPENDIX B

Analytical Technologies, Inc. 560 Naches Avenue, S.W., Suite 101, Renton, WA 98055, (206) 228-8335

ATI I.D. # 9012-122

GeoEngineers

DEC 27 1990

Routing JF

File

December 26, 1990

GeoEngineers, Inc.
2405 140th Avenue N.E.
Suite 105
Bellevue, WA 98005

Attention : Julia Fowler

Project Number : 0161-041-B04

Project Name : Unocal - Federal Way

On December 13, 1990, Analytical Technologies, Inc., received eight soil samples for analysis. The samples were analyzed with EPA methodology or equivalent methods as specified in the attached analytical schedule. The results, sample cross reference, and quality control data are enclosed.

Mary C. Silva
Senior Project Manager

Frederick W. Grothkopp
Technical Manager

FWG/elf

SAMPLE CROSS REFERENCE SHEET

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL - FEDERAL WAY

ATI #	CLIENT DESCRIPTION	DATE SAMPLED	MATRIX
9012-122-1	WO-1 (N BASE)	12/13/90	SOIL
9012-122-2	WO-2 (N WALL)	12/13/90	SOIL
9012-122-3	WO-3 (N WALL)	12/13/90	SOIL
9012-122-4	WO-4 (W BASE)	12/13/90	SOIL
9012-122-5	WO-5 (S BASE)	12/13/90	SOIL
9012-122-6	WO-6 (CENTER BASE)	12/13/90	SOIL
9012-122-7	WO-7 (E BASE)	12/13/90	SOIL
9012-122-8	WO-8 (COMPOSITE)	12/13/90	SOIL

----- TOTALS -----

MATRIX	# SAMPLES
SOIL	8

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

ANALYTICAL SCHEDULE

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL - FEDERAL WAY

ANALYSIS	TECHNIQUE	REFERENCE	LAB
FUEL HYDROCARBONS	GC/FID	EPA 8015 MODIFIED	R
PETROLEUM HYDROCARBONS	IR	EPA 418.1	R

R = ATI - Renton
SD = ATI - San Diego
T = ATI - Tempe
PNR = ATI - Pensacola
FC = ATI - Fort Collins
SUB = Subcontract

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: N/A
PROJECT #	: 0161-041-B04	DATE RECEIVED	: N/A
PROJECT NAME	: UNOCAL - FEDERAL WAY	DATE EXTRACTED	: 12/13/90
CLIENT I.D.	: REAGENT BLANK	DATE ANALYZED	: 12/13/90
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/13/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 12/13/90
PROJECT NAME	: UNOCAL - FEDERAL WAY	DATE EXTRACTED	: 12/13/90
CLIENT I.D.	: WO-1 (N BASE)	DATE ANALYZED	: 12/13/90
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/13/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 12/13/90
PROJECT NAME	: UNOCAL - FEDERAL WAY	DATE EXTRACTED	: 12/13/90
CLIENT I.D.	: WO-2 (N WALL)	DATE ANALYZED	: 12/14/90
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/13/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 12/13/90
PROJECT NAME	: UNOCAL - FEDERAL WAY	DATE EXTRACTED	: 12/13/90
CLIENT I.D.	: WO-3 (N WALL)	DATE ANALYZED	: 12/14/90
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/13/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 12/13/90
PROJECT NAME	: UNOCAL - FEDERAL WAY	DATE EXTRACTED	: 12/13/90
CLIENT I.D.	: WO-4 (W BASE)	DATE ANALYZED	: 12/13/90
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/13/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 12/13/90
PROJECT NAME	: UNOCAL - FEDERAL WAY	DATE EXTRACTED	: 12/13/90
CLIENT I.D.	: WO-5 (S BASE)	DATE ANALYZED	: 12/14/90
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/13/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 12/13/90
PROJECT NAME	: UNOCAL - FEDERAL WAY	DATE EXTRACTED	: 12/13/90
CLIENT I.D.	: WO-6 (CENTER BASE)	DATE ANALYZED	: 12/14/90
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/13/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 12/13/90
PROJECT NAME	: UNOCAL - FEDERAL WAY	DATE EXTRACTED	: 12/13/90
CLIENT I.D.	: WO-7 (E BASE)	DATE ANALYZED	: 12/14/90
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/13/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 12/13/90
PROJECT NAME	: UNOCAL - FEDERAL WAY	DATE EXTRACTED	: 12/13/90
CLIENT I.D.	: WO-8 (COMPOSITE)	DATE ANALYZED	: 12/14/90
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS
QUALITY CONTROL DATA

CLIENT	: GEOENGINEERS, INC.	SAMPLE I.D.	: 9012-122-4
PROJECT #	: 0161-041-B04	DATE EXTRACTED	: 12/13/90
PROJECT NAME	: UNOCAL - FEDERAL WAY	DATE ANALYZED	: 12/13/90
EPA METHOD	: 8015 MODIFIED	MATRIX	: SOIL
		UNITS	: mg/Kg

COMPOUND	SAMPLE RESULT	CONC SPIKED	SPIKED SAMPLE	% REC	DUP SPIKED SAMPLE	DUP % RECOVERY	RPD
FUEL HYDROCARBONS	<5	500	502	100	474	95	6

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GENERAL CHEMISTRY RESULTS

CLIENT : GEOENGINEERS, INC. MATRIX : SOIL
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL - FEDERAL WAY UNITS : mg/Kg

ATI I.D.#	CLIENT I.D.	PETROLEUM HYDROCARBONS
9012-122-1	WO-1 (N BASE)	210
9012-122-2	WO-2 (N WALL)	21
9012-122-3	WO-3 (N WALL)	28
9012-122-4	WO-4 (W BASE)	<5
9012-122-5	WO-5 (S BASE)	8
9012-122-6	WO-6 (CENTER BASE)	21
9012-122-7	WO-7 (E BASE)	26
9012-122-8	WO-8 (COMPOSITE)	55

GENERAL CHEMISTRY QUALITY CONTROL

CLIENT : GEOENGINEERS, INC. MATRIX : SOIL
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL - FEDERAL WAY UNITS : mg/Kg

PARAMETER	ATI I.D.	SAMPLE RESULT	DUP RESULT	RPD	SPIKED RESULT	SPIKE ADDED	% REC
PETROLEUM HYDROCARBONS	9012-122-8	55	61	9	301	250	98

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

Analytical Technologies, Inc.
560 Naches Avenue SW, Suite 101 Renton, WA 98055 (206)228-8335

DATE 12-13-90 PAGE 1 OF 1

Chain of Custody

LABORATORY NUMBER: 9012-122

PROJECT MANAGER: Julia Fowler
COMPANY: GeoEngineers, Inc.
ADDRESS: 2405 140th Ave. NE, #105
Bellevue, WA 98005
PHONE: 746-5200 SAMPLED BY: Robert Miyahira

SAMPLE DISPOSAL INSTRUCTIONS
☒ ATI Disposal @ $5.00 each ☐ Return

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	8010 Halogenated Volatiles	8020 Aromatic Volatiles	BETX ONLY	8240 GCMS Volatiles	8270 GCMS BNA	8310 HPLC PNA	8080 Pesticides & PCB's	PCB's ONLY	8140 Phosphate Pesticides	8150 Herbicides	WDOE PAH/HH (WAC 173)	418.1 (TPH)	413.2 Grease & Oil	8015 (Modified)	TOC 9060	TOX 9020	% Moisture	EP TOX Metals (8) EP EXT	Priority Pollutant Metals (13)	TCLP ONLY: 8080 Pesticide (4)	8240 ZH-EXT	8270	8150 Herbicides (2)	Metals (8)			NUMBER OF CONTAINERS
12' WO-1 (N base)	12-13-90	1305	Soil	1												X		X													1
7' WO-2 (N wall)		1310		2												X		X													1
2' WO-3 (N wall)		1310		3												X		X													1
12' WO-4 (W base)		1315		4												X		X													1
12' WO-5 (S base)		1315		5												X		X													1
13' WO-6 (center base)		1320		6												X		X													1
12' WO-7 (E base)		1320		7												X		X													1
WO-8 (composite)	↓	1330	↓	8												X		X													1

B - 16

PROJECT INFORMATION	SAMPLE RECEIPT
PROJECT NUMBER: 0161-041-B04	TOTAL NUMBER OF CONTAINERS: 8
PROJECT NAME: Unocal - Federal Way	COC SEALS/INTACT? Y/N/NA: N/A
PURCHASE ORDER NUMBER:	RECEIVED GOOD COND./COLD: ✓
ONGOING PROJECT? YES ☐ NO ☐	RECEIVED VIA: Hand del

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

TAT: (NORMAL) ☐ 2WKS (RUSH) ☒ 24HR ☐ 48 HRS ☐ 72 HRS ☐ 1 WK

GREATER THAN 24 HR. NOTICE? YES ☐ NO ☐ (LAB USE ONLY)

SPECIAL INSTRUCTIONS: contact Julia Fowler w/results

For Unocal Service Station #6227

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Robert Miyahira Time: 1430	Signature: Time:	Signature: Time:
Printed Name: Robert Miyahira Date: 12-13-90	Printed Name: Date:	Printed Name: Date:
Company: GeoEngineers, Inc.	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: T. Landreth Time: 14:30	Signature: Time:	Signature: Time:
Printed Name: T. Landreth Date: 12/13/90	Printed Name: Date:	Printed Name: Date:
Company: ATI	Company:	Analytical Technologies, Inc.

ATI Labs: San Diego (619)458-9141 • Phoenix (602)438-1530 • Seattle (206)228-8335 • Pensacola (904)474-1001 DISTRIBUTION: White, Canary - ATI • Pink - ORIGINATOR

№ 2502

Analytical Technologies, Inc. 560 Naches Avenue, S.W., Suite 101, Renton, WA 98055. (206) 228-8335

ATI I.D. # 9101-003

GeoEngineers

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January 10, 1991

GeoEngineers, Inc.
2405 140th Avenue N.E.
Suite 105
Bellevue, WA 98005

Attention : Terry Fisk

Project Number : 0161-041-B04

Project Name : Unocal-Federal Way

On January 2, 1991, Analytical Technologies, Inc., received 13 soil samples for analysis. The samples were analyzed with EPA methodology or equivalent methods as specified in the attached analytical schedule. The results, sample cross reference, and quality control data are enclosed.

Bob A. Olsiewski
Project Manager

Frederick W. Grothkopp
Technical Manager

FWG/tc

SAMPLE CROSS REFERENCE SHEET

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL-FEDERAL WAY

ATI #	CLIENT DESCRIPTION	DATE SAMPLED	MATRIX
9101-003-1	SP-1 (GAS STOCKPILE-WEST)	12/31/90	SOIL
9101-003-2	SP-2 (GAS STOCKPILE-EAST)	12/31/90	SOIL
9101-003-3	PL-1 (SOUTH ISLAND-WEST)	12/31/90	SOIL
9101-003-4	PL-2 (SOUTH ISLAND-EAST)	12/31/90	SOIL
9101-003-5	PL-3 (NW ISLAND-NORTH)	12/31/90	SOIL
9101-003-6	PL-4 (NE ISLAND-SOUTH)	12/31/90	SOIL
9101-003-7	PL-5 (NW ISLAND-SOUTH)	12/31/90	SOIL
9101-003-8	G-1 (SOUTH BASE)	12/31/90	SOIL
9101-003-9	G-2 (SW BASE)	12/31/90	SOIL
9101-003-10	G-3 (NORTH BASE)	12/31/90	SOIL
9101-003-11	G-4 (NW BASE)	12/31/90	SOIL
9101-003-12	G-5 (EAST BASE)	12/31/90	SOIL
9101-003-13	WO-8 (NORTH BASE)	12/31/90	SOIL

----- TOTALS -----

MATRIX	# SAMPLES
SOIL	13

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

ANALYTICAL SCHEDULE

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL-FEDERAL WAY

ANALYSIS	TECHNIQUE	REFERENCE	LAB
BETX	GC/PID	EPA 8020	R
FUEL HYDROCARBONS	GC/FID	EPA 8015 MODIFIED	R
PETROLEUM HYDROCARBONS	IR	EPA 418.1	R
MOISTURE	GRAVIMETRIC	METHOD 7-2.2	R

R = ATI - Renton
SD = ATI - San Diego
T = ATI - Tempe
PNR = ATI - Pensacola
FC = ATI - Fort Collins
SUB = Subcontract

PURGEABLE AROMATICS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: N/A
PROJECT #	: 0161-041-B04	DATE RECEIVED	: N/A
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: REAGENT BLANK	DATE ANALYZED	: 01/02/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8020 (BETX)	DILUTION FACTOR	: 1

RESULTS BASED ON DRY WEIGHT

COMPOUND	RESULT
BENZENE	<0.025
ETHYLBENZENE	<0.025
TOLUENE	<0.025
TOTAL XYLENES	<0.025

SURROGATE PERCENT RECOVERY

BROMOFLUOROBENZENE	95

PURGEABLE AROMATICS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/31/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: SP-1 (GAS STOCKPILE-WEST)	DATE ANALYZED	: 01/02/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8020 (BETX)	DILUTION FACTOR	: 1

RESULTS BASED ON DRY WEIGHT

COMPOUND	RESULT
BENZENE	<0.025
ETHYLBENZENE	<0.025
TOLUENE	<0.025
TOTAL XYLENES	<0.025

SURROGATE PERCENT RECOVERY

BROMOFLUOROBENZENE	90

PURGEABLE AROMATICS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/31/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: SP-2 (GAS STOCKPILE-EAST)	DATE ANALYZED	: 01/02/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8020 (BETX)	DILUTION FACTOR	: 1

RESULTS BASED ON DRY WEIGHT

COMPOUND	RESULT
BENZENE	<0.025
ETHYLBENZENE	<0.025
TOLUENE	<0.025
TOTAL XYLENES	<0.025

SURROGATE PERCENT RECOVERY

BROMOFLUOROBENZENE	86

PURGEABLE AROMATICS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/31/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: PL-1 (SOUTH ISLAND-WEST)	DATE ANALYZED	: 01/02/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8020 (BETX)	DILUTION FACTOR	: 1

RESULTS BASED ON DRY WEIGHT

COMPOUND	RESULT
BENZENE	<0.025
ETHYLBENZENE	<0.025
TOLUENE	<0.025
TOTAL XYLENES	<0.025

SURROGATE PERCENT RECOVERY

BROMOFLUOROBENZENE	86

PURGEABLE AROMATICS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/31/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: PL-2 (SOUTH ISLAND-EAST)	DATE ANALYZED	: 01/02/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8020 (BETX)	DILUTION FACTOR	: 1

RESULTS BASED ON DRY WEIGHT

COMPOUND	RESULT
BENZENE	<0.025
ETHYLBENZENE	<0.025
TOLUENE	<0.025
TOTAL XYLENES	<0.025

SURROGATE PERCENT RECOVERY

BROMOFLUOROBENZENE	85

PURGEABLE AROMATICS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/31/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: PL-3 (NW ISLAND-NORTH)	DATE ANALYZED	: 01/02/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8020 (BETX)	DILUTION FACTOR	: 1

RESULTS BASED ON DRY WEIGHT

COMPOUND	RESULT
BENZENE	<0.025
ETHYLBENZENE	0.096
TOLUENE	<0.025
TOTAL XYLENES	1.6

SURROGATE PERCENT RECOVERY

BROMOFLUOROBENZENE	94

PURGEABLE AROMATICS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/31/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: PL-4 (NE ISLAND-SOUTH)	DATE ANALYZED	: 01/02/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8020 (BETX)	DILUTION FACTOR	: 1

RESULTS BASED ON DRY WEIGHT

COMPOUND	RESULT
BENZENE	<0.025
ETHYLBENZENE	<0.025
TOLUENE	<0.025
TOTAL XYLENES	<0.025

SURROGATE PERCENT RECOVERY

BROMOFLUOROBENZENE	85

PURGEABLE AROMATICS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/31/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: PL-5 (NW ISLAND-SOUTH)	DATE ANALYZED	: 01/02/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8020 (BETX)	DILUTION FACTOR	: 1

RESULTS BASED ON DRY WEIGHT

COMPOUND	RESULT
BENZENE	<0.025
ETHYLBENZENE	<0.025
TOLUENE	<0.025
TOTAL XYLENES	<0.025

SURROGATE PERCENT RECOVERY

BROMOFLUOROBENZENE	78

PURGEABLE AROMATICS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/31/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: G-1 (SOUTH BASE)	DATE ANALYZED	: 01/02/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8020 (BETX)	DILUTION FACTOR	: 1

RESULTS BASED ON DRY WEIGHT

COMPOUND	RESULT
BENZENE	<0.025
ETHYLBENZENE	<0.025
TOLUENE	<0.025
TOTAL XYLENES	<0.025

SURROGATE PERCENT RECOVERY

BROMOFLUOROBENZENE	80

PURGEABLE AROMATICS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/31/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: G-2 (SW BASE)	DATE ANALYZED	: 01/02/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8020 (BETX)	DILUTION FACTOR	: 1

RESULTS BASED ON DRY WEIGHT

COMPOUND	RESULT
BENZENE	<0.025
ETHYLBENZENE	<0.025
TOLUENE	<0.025
TOTAL XYLENES	<0.025

SURROGATE PERCENT RECOVERY

BROMOFLUOROBENZENE	85

PURGEABLE AROMATICS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/31/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: G-3 (NORTH BASE)	DATE ANALYZED	: 01/02/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8020 (BETX)	DILUTION FACTOR	: 1

RESULTS BASED ON DRY WEIGHT

COMPOUND	RESULT
BENZENE	<0.025
ETHYLBENZENE	<0.025
TOLUENE	<0.025
TOTAL XYLENES	<0.025

SURROGATE PERCENT RECOVERY

BROMOFLUOROBENZENE	75

PURGEABLE AROMATICS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/31/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: G-4 (NW BASE)	DATE ANALYZED	: 01/02/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8020 (BETX)	DILUTION FACTOR	: 1

RESULTS BASED ON DRY WEIGHT

COMPOUND	RESULT
BENZENE	<0.025
ETHYLBENZENE	<0.025
TOLUENE	<0.025
TOTAL XYLENES	<0.025

SURROGATE PERCENT RECOVERY

BROMOFLUOROBENZENE	78

PURGEABLE AROMATICS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/31/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: G-5 (EAST BASE)	DATE ANALYZED	: 01/03/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8020 (BETX)	DILUTION FACTOR	: 1

RESULTS BASED ON DRY WEIGHT

COMPOUND	RESULT
BENZENE	<0.025
ETHYLBENZENE	<0.025
TOLUENE	<0.025
TOTAL XYLENES	<0.025

SURROGATE PERCENT RECOVERY

BROMOFLUOROBENZENE	79

PURGEABLE AROMATICS
QUALITY CONTROL DATA

CLIENT	: GEOENGINEERS, INC.	SAMPLE I.D.	: 9101-003-1
PROJECT #	: 0161-041-B04	DATE EXTRACTED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE ANALYZED	: 01/02/91
EPA METHOD	: 8020 (BETX)	MATRIX	: SOIL
		UNITS	: mg/Kg

COMPOUND	SAMPLE RESULT	SPIKE ADDED	SPIKED SAMPLE	% REC	DUP SPIKED SAMPLE	DUP % REC	RPD
BENZENE	<0.025	1.0	0.803	80	0.798	80	1
TOLUENE	<0.025	1.0	0.823	82	0.744	74	10
TOTAL XYLENES	<0.025	2.0	1.67	84	1.53	77	9

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: N/A
PROJECT #	: 0161-041-B04	DATE RECEIVED	: N/A
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: REAGENT BLANK	DATE ANALYZED	: 01/02/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/31/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: SP-1 (GAS STOCKPILE-WEST)	DATE ANALYZED	: 01/02/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/31/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: SP-2 (GAS STOCKPILE-EAST)	DATE ANALYZED	: 01/02/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/31/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: PL-1 (SOUTH ISLAND-WEST)	DATE ANALYZED	: 01/02/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/31/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: PL-2 (SOUTH ISLAND-EAST)	DATE ANALYZED	: 01/02/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/31/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: PL-3 (NW ISLAND-NORTH)	DATE ANALYZED	: 01/02/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	110
HYDROCARBON RANGE	C8 - C12
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/31/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: PL-4 (NE ISLAND-SOUTH)	DATE ANALYZED	: 01/02/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/31/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: PL-5 (NW ISLAND-SOUTH)	DATE ANALYZED	: 01/03/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/31/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: G-1 (SOUTH BASE)	DATE ANALYZED	: 01/03/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/31/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: G-2 (SW BASE)	DATE ANALYZED	: 01/03/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/31/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: G-3 (NORTH BASE)	DATE ANALYZED	: 01/03/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/31/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: G-4 (NW BASE)	DATE ANALYZED	: 01/03/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/31/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: G-5 (EAST BASE)	DATE ANALYZED	: 01/03/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 12/31/90
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE EXTRACTED	: 01/02/91
CLIENT I.D.	: WO-8 (NORTH BASE)	DATE ANALYZED	: 01/03/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS
QUALITY CONTROL DATA

CLIENT	: GEOENGINEERS, INC.	SAMPLE I.D.	: 9101-003-4
PROJECT #	: 0161-041-B04	DATE EXTRACTED	: 01/02/91
PROJECT NAME	: UNOCAL-FEDERAL WAY	DATE ANALYZED	: 01/02/91
EPA METHOD	: 8015 MODIFIED	MATRIX	: SOIL
		UNITS	: mg/Kg

COMPOUND	SAMPLE RESULT	CONC SPIKED	SPIKED SAMPLE	% REC	DUP SPIKED SAMPLE	DUP % RECOVERY	RPD
FUEL HYDROCARBONS	<5	500	421	84	420	84	0

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GENERAL CHEMISTRY RESULTS

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL-FEDERAL WAY

SAMPLE MATRIX : SOIL
UNITS : mg/Kg

ATI I.D. #	CLIENT I.D.	PETROLEUM HYDROCARBONS
9101-003-13	WO-8 (NORTH BASE)	47
REAGENT BLANK	-	<5

GENERAL CHEMISTRY RESULTS

CLIENT : GEOENGINEERS, INC. SAMPLE MATRIX : SOIL
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL-FEDERAL WAY UNITS : %

ATI I.D. #	CLIENT I.D.	MOISTURE
9101-003-1	SP-1 (GAS STOCKPILE-WEST)	11
9101-003-2	SP-2 (GAS STOCKPILE-EAST)	9.2
9101-003-3	PL-1 (SOUTH ISLAND-WEST)	11
9101-003-4	PL-2 (SOUTH ISLAND-EAST)	10
9101-003-5	PL-3 (NW ISLAND-NORTH)	12
9101-003-6	PL-4 (NE ISLAND-SOUTH)	12
9101-003-7	PL-5 (NW ISLAND-SOUTH)	15
9101-003-8	G-1 (SOUTH BASE)	21
9101-003-9	G-2 (SW BASE)	16
9101-003-10	G-3 (NORTH BASE)	21
9101-003-11	G-4 (NW BASE)	14
9101-003-12	G-5 (EAST BASE)	11

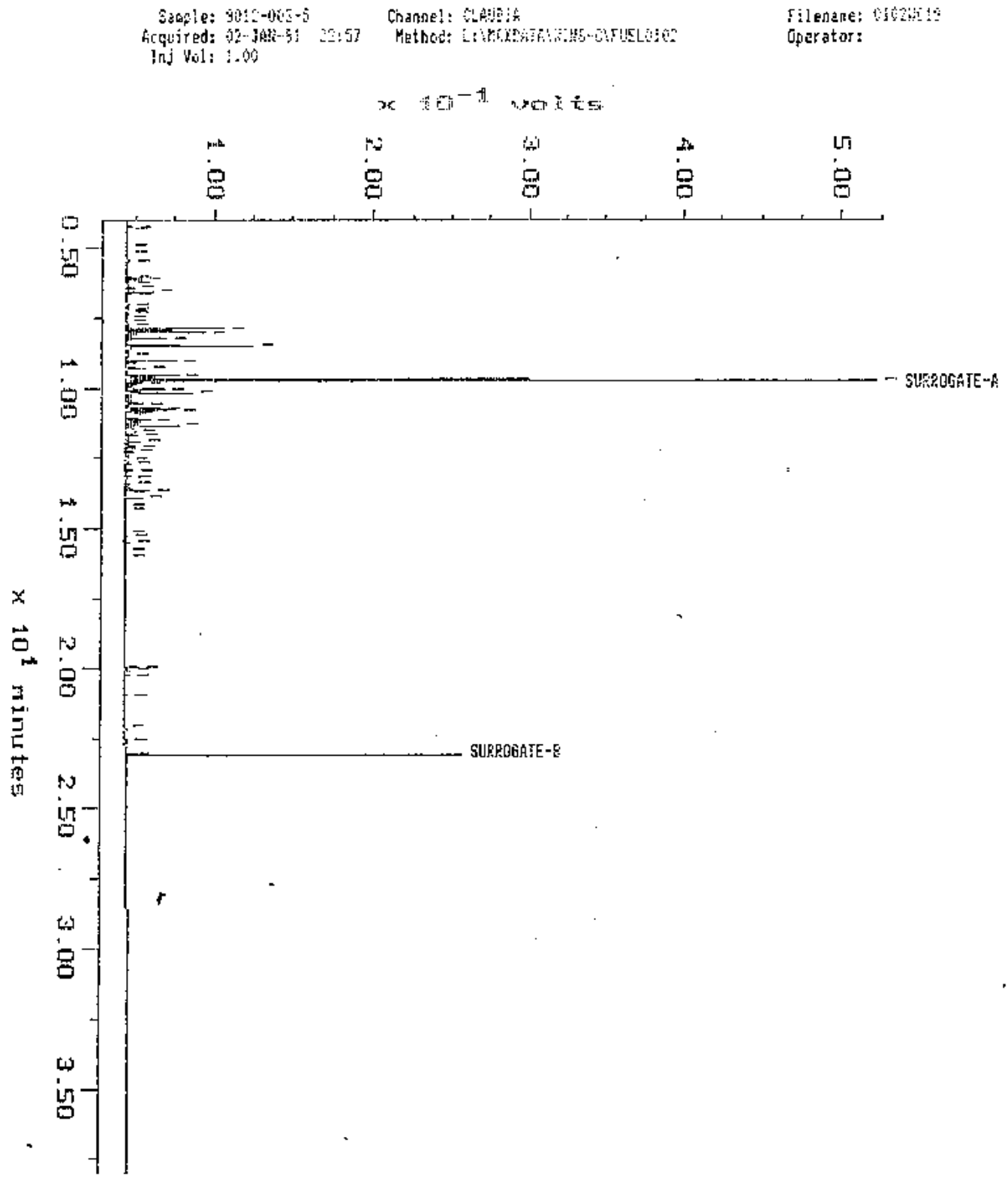
GENERAL CHEMISTRY QUALITY CONTROL

CLIENT : GEOENGINEERS, INC. SAMPLE MATRIX : SOIL
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL-FEDERAL WAY

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP RESULT	RPD	SPIKED RESULT	SPIKE ADDED	% REC
PETROLEUM HYDROCARBONS	mg/Kg	9101-003-13	47	43	9	306	252	103
MOISTURE	%	9101-003-6	12	11	9	N/A	N/A	N/A
MOISTURE	%	9101-003-12	11	11	0	N/A	N/A	N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$


Sample: 9012-003-5
Acquired: 02-JAN-91 22:57
Inj Vol: 1.00
Channel: CLAUDIA
Method: E:\HOODATA\WIN5-DX\FUEL0102
Filename: 0102W019
Operator:
x 10⁻¹ Volts
4.00
3.00
2.00
1.00
5.00
0.50
1.00
1.50
2.00
2.50
3.00
3.50
x 10¹ minutes
SURROGATE-A
SURROGATE-B

Analytical Technologies, Inc.
560 Naches Avenue SW, Suite 101 Renton, WA 98055 (206)228-8335

Chain of Custody

DATE 12-18-90 PAGE 1 OF 2

LABORATORY NUMBER: 9101-003

PROJECT MANAGER: Terry Fisk
COMPANY: GeoEngineers, Inc.
ADDRESS: 2405 140th Ave. NE, # 105
Bellevue, WA 98005
PHONE: 746-5200 SAMPLED BY: Robert N. Miyahira

SAMPLE DISPOSAL INSTRUCTIONS
☒ ATI Disposal @ $5.00 each ☐ Return

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	8010 Halogenated Volatiles	8020 Aromatic Volatiles	BETX ONLY	8240 GCMS Volatiles	8270 GCMS BNA	8310 HPLC PNA	8080 Pesticides & PCB's	PCB's ONLY	8140 Phosphate Pesticides	8150 Herbicides	WDOE PAH/HH (WAC 173)	418.1 (TPH)	413.2 Grease & Oil	8015 (Modified)	TOC 9060	TOX 9020	% Moisture	EP TOX Metals (8) EP EXT	Priority Pollutant Metals (13)	TCLP ONLY: 8080 Pesticide (4)	TCLP ONLY: 8240 ZH-EXT	TCLP ONLY: 8270	TCLP ONLY: 8150 Herbicides (2)	TCLP ONLY: Metals (8)			NUMBER OF CONTAINERS
SP-1 (gas stockpile - west) composite	12-31-90	1105	soil	-1			X											X													1
SP-2 (gas stockpile - east) composite		1110		-2			X											X													1
PL-1 (south island - west) 3'		1355		-3			X											X													1
PL-2 (south island - east) 2½'		1400		-4			X											X													1
PL-3 (NW island - north) 3'		1435		-5			X											X													1
PL-4 (NE island - south) 3'		1445		-6			X											X													1
PL-5 (NW island - south) 2½'		1505		-7			X											X													1
G-1 (south base) 13'		1420		-8			X											X													1
G-2 (SW base) 14'		1430		-9			X											X													1
G-3 (north base) 14'		1450		-10			X											X													1
G-4 (NW base) 13'		1500		-11			X											X													1
G-5 (east base) 13'	↓	1520	↓	-12			X											X													1

ANALYSIS REQUEST

PROJECT INFORMATION
PROJECT NUMBER: 0161-041-B04
PROJECT NAME: Unocal - Federal Way
PURCHASE ORDER NUMBER:
ONGOING PROJECT? YES ☒ NO ☐

SAMPLE RECEIPT
TOTAL NUMBER OF CONTAINERS: 13
COC SEALS/INTACT? Y/N/NA *: Y
RECEIVED GOOD COND./COLD: Y
RECEIVED VIA: Courier

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS
TAT: (NORMAL) ☐ 2WKS (RUSH) ☒ 24HR ☐ 48 HRS ☐ 72 HRS ☐ 1 WK
GREATER THAN 24 HR. NOTICE? YES ☐ NO ☐ (LAB USE ONLY)

SPECIAL INSTRUCTIONS: Contact Terry Fisk with results

For Unocal Service Station #6227

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Time: 1730	Signature: Time:	Signature: Time:
Printed Name: Robert Miyahira Date: 12-18-90	Printed Name: Date:	Printed Name: Date:
Company: GeoEngineers, Inc.	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: Time: 10:45	Signature: Time:	Signature: Time:
Printed Name: D.L. Thomas Date: 1-2-91	Printed Name: Date:	Printed Name: Date:
Company: ATI	Company:	Analytical Technologies, Inc.

ATI Labs: San Diego (619)458-9141 • Phoenix (602)438-1530 • Seattle (206)228-8335 • Pensacola (904)474-1001 DISTRIBUTION: White, Canary - ATI - Pink - ORIGINATOR

Nº 3148

Analytical Technologies, Inc.

560 Naches Avenue SW, Suite 101 Renton, WA 98055 (206)228-8335

Chain of Custody

DATE 12-31-90 PAGE 2 OF 2

LABORATORY NUMBER: 9101-003

PROJECT MANAGER: Terry Fisk
COMPANY: GeoEngineers, Inc.
ADDRESS: 2405 140th Ave. NE, #105
Bellevue, WA 98005
PHONE: 746-5200 SAMPLED BY: Robert N. Miyahira

SAMPLE DISPOSAL INSTRUCTIONS

☒ ATI Disposal @ $5.00 each ☐ Return

SAMPLE ID	DATE	TIME	MATRIX	LAB ID
WD-8 (north base)	12-31-90	1530	soil	-13

ANALYSIS REQUEST

8010 Halogenated Volatiles	8020 Aromatic Volatiles	BETX ONLY	8240 GCMS Volatiles	8270 GCMS BNA	8310 HPLC PNA	8080 Pesticides & PCB's	PCB's ONLY	8140 Phosphate Pesticides	8150 Herbicides	WDOE PAH/HH (WAC 173)	418.1 (TPH)	413.2 Grease & Oil	8015 (Modified)	TOC 9060	TOX 9020	% Moisture	EP TOX Metals (8) EP EXT	Priority Pollutant Metals (13)	TCLP ONLY: 8080 Pesticide (4)	8240 ZH-EXT	8270	8150 Herbicides (2)	Metals (8)			NUMBER OF CONTAINERS
											X		X													1

12½'

B - 54

PROJECT INFORMATION	SAMPLE RECEIPT	
PROJECT NUMBER: 0161-041-B04	TOTAL NUMBER OF CONTAINERS	13
PROJECT NAME: Unocal - Federal Way	COC SEALS/INTACT? Y/N/NA	Y/ NO
PURCHASE ORDER NUMBER:	RECEIVED GOOD COND./COLD	Y
ONGOING PROJECT? YES ☒ NO ☐	RECEIVED VIA: Courier	Y

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

TAT: (NORMAL) ☐ 2WKS (RUSH) ☒ 24HR ☐ 48 HRS ☐ 72 HRS ☐ 1 WK

GREATER THAN 24 HR. NOTICE? YES ☐ NO ☐ (LAB USE ONLY)

SPECIAL INSTRUCTIONS: contact Terry Fisk with results

For Unocal Service Station #6227

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Time: 1730	Signature: Time:	Signature: Time:
Printed Name: Robert Miyahira Date: 12-31-90	Printed Name: Date:	Printed Name: Date:
Company: GeoEngineers, Inc.	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: DL Thomas Time: 10:45	Signature: Time:	Signature: Time:
Printed Name: DL Thomas Date: 1-2-91	Printed Name: Date:	Printed Name: Date:
Company: ATI	Company:	Analytical Technologies, Inc.

ATI Labs: San Diego (619)458-9141 • Phoenix (602)438-1530 • Seattle (206)228-8335 • Pensacola (904)474-1001 DISTRIBUTION: White, Canary - ATI • Pink - ORIGINATOR

№ 2334

Analytical**Technologies,** Inc. 560 Naches Avenue, S.W., Suite 101, Renton, WA 98055, (206) 228-8335

ATI I.D. # 9101-053

GeoEngineers

JAN 17 1991

Routing

File

January 15, 1991

GeoEngineers, Inc.
2405 140th Avenue N.E.
Suite 105
Bellevue, WA 98005

Attention : Terry Fisk

Project Number : 0161-041-B04

Project Name : Unocal Federal Way

On January 10, 1991, Analytical Technologies, Inc., received eight soil samples for analysis. The samples were analyzed with EPA methodology or equivalent methods as specified in the attached analytical schedule. The results, sample cross reference, and quality control data are enclosed.

Bob A. Olsiewski
Project Manager

Frederick W. Grothkopp
Technical Manager

FWG/elf

SAMPLE CROSS REFERENCE SHEET

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL FEDERAL WAY

ATI #	CLIENT DESCRIPTION	DATE SAMPLED	MATRIX
9101-053-1	910109-PL-6	01/09/91	SOIL
9101-053-2	910109-PL-7	01/09/91	SOIL
9101-053-3	910109-PL-8	01/09/91	SOIL
9101-053-4	910109-PL-SP	01/09/91	SOIL
9101-053-5	910109-VW-1	01/09/91	SOIL
9101-053-6	910109-VW-2	01/09/91	SOIL
9101-053-7	910109-G-SP-A	01/09/91	SOIL
9101-053-8	910109-G-SP-B	01/09/91	SOIL

----- TOTALS -----

MATRIX	# SAMPLES
SOIL	8

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

ANALYTICAL SCHEDULE

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL FEDERAL WAY

ANALYSIS	TECHNIQUE	REFERENCE	LAB
BETX	GC/PID	EPA 8020	R
FUEL HYDROCARBONS	GC/FID	EPA 8015 MODIFIED	R
PETROLEUM HYDROCARBONS	IR	EPA 418.1	R
MOISTURE	GRAVIMETRIC	METHOD 7-2.2	R

R = ATI - Renton
SD = ATI - San Diego
T = ATI - Tempe
PNR = ATI - Pensacola
FC = ATI - Fort Collins
SUB = Subcontract

PURGEABLE AROMATICS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: N/A
PROJECT #	: 0161-041-B04	DATE RECEIVED	: N/A
PROJECT NAME	: UNOCAL FEDERAL WAY	DATE EXTRACTED	: 01/10/91
CLIENT I.D.	: REAGENT BLANK	DATE ANALYZED	: 01/10/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8020 (BETX)	DILUTION FACTOR	: 1

RESULTS BASED ON DRY WEIGHT

COMPOUND	RESULT
BENZENE	<0.025
ETHYLBENZENE	<0.025
TOLUENE	<0.025
TOTAL XYLENES	<0.025

SURROGATE PERCENT RECOVERY

BROMOFLUOROBENZENE	99

PURGEABLE AROMATICS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 01/09/91
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/10/91
PROJECT NAME	: UNOCAL FEDERAL WAY	DATE EXTRACTED	: 01/10/91
CLIENT I.D.	: 910109-PL-6	DATE ANALYZED	: 01/10/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8020 (BETX)	DILUTION FACTOR	: 1

RESULTS BASED ON DRY WEIGHT

COMPOUND	RESULT
BENZENE	<0.025
ETHYLBENZENE	<0.025
TOLUENE	<0.025
TOTAL XYLENES	<0.025

SURROGATE PERCENT RECOVERY

BROMOFLUOROBENZENE	91

PURGEABLE AROMATICS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 01/09/91
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/10/91
PROJECT NAME	: UNOCAL FEDERAL WAY	DATE EXTRACTED	: 01/10/91
CLIENT I.D.	: 910109-PL-7	DATE ANALYZED	: 01/10/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8020 (BETX)	DILUTION FACTOR	: 1

RESULTS BASED ON DRY WEIGHT

COMPOUND	RESULT
BENZENE	<0.025
ETHYLBENZENE	<0.025
TOLUENE	<0.025
TOTAL XYLENES	<0.025

SURROGATE PERCENT RECOVERY

BROMOFLUOROBENZENE	96

PURGEABLE AROMATICS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 01/09/91
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/10/91
PROJECT NAME	: UNOCAL FEDERAL WAY	DATE EXTRACTED	: 01/10/91
CLIENT I.D.	: 910109-PL-8	DATE ANALYZED	: 01/10/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8020 (BETX)	DILUTION FACTOR	: 1

RESULTS BASED ON DRY WEIGHT

COMPOUND	RESULT
BENZENE	<0.025
ETHYLBENZENE	<0.025
TOLUENE	<0.025
TOTAL XYLENES	<0.025

SURROGATE PERCENT RECOVERY

BROMOFLUOROBENZENE	92

PURGEABLE AROMATICS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 01/09/91
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/10/91
PROJECT NAME	: UNOCAL FEDERAL WAY	DATE EXTRACTED	: 01/10/91
CLIENT I.D.	: 910109-PL-SP	DATE ANALYZED	: 01/10/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8020 (BETX)	DILUTION FACTOR	: 1

RESULTS BASED ON DRY WEIGHT

COMPOUND	RESULT
BENZENE	<0.025
ETHYLBENZENE	<0.025
TOLUENE	<0.025
TOTAL XYLENES	<0.025

SURROGATE PERCENT RECOVERY

BROMOFLUOROBENZENE	92

PURGEABLE AROMATICS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 01/09/91
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/10/91
PROJECT NAME	: UNOCAL FEDERAL WAY	DATE EXTRACTED	: 01/10/91
CLIENT I.D.	: 910109-G-SP-A	DATE ANALYZED	: 01/10/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8020 (BETX)	DILUTION FACTOR	: 1

RESULTS BASED ON DRY WEIGHT

COMPOUND	RESULT
BENZENE	<0.025
ETHYLBENZENE	<0.025
TOLUENE	<0.025
TOTAL XYLENES	<0.025

SURROGATE PERCENT RECOVERY

BROMOFLUOROBENZENE	89

PURGEABLE AROMATICS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 01/09/91
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/10/91
PROJECT NAME	: UNOCAL FEDERAL WAY	DATE EXTRACTED	: 01/10/91
CLIENT I.D.	: 910109-G-SP-B	DATE ANALYZED	: 01/10/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8020 (BETX)	DILUTION FACTOR	: 1

RESULTS BASED ON DRY WEIGHT

COMPOUND	RESULT
BENZENE	<0.025
ETHYLBENZENE	<0.025
TOLUENE	<0.025
TOTAL XYLENES	<0.025

SURROGATE PERCENT RECOVERY

BROMOFLUOROBENZENE	92

PURGEABLE AROMATICS
QUALITY CONTROL DATA

CLIENT	: GEOENGINEERS, INC.	SAMPLE I.D.	: 9101-053-3
PROJECT #	: 0161-041-B04	DATE EXTRACTED	: 01/10/91
PROJECT NAME	: UNOCAL FEDERAL WAY	DATE ANALYZED	: 01/10/91
EPA METHOD	: 8020 (BETX)	MATRIX	: SOIL
		UNITS	: mg/Kg

COMPOUND	SAMPLE RESULT	SPIKE ADDED	SPIKED SAMPLE	% REC	DUP SPIKED SAMPLE	DUP % REC	RPD
BENZENE	<0.025	1.0	0.774	77	0.838	84	8
TOLUENE	<0.025	1.0	0.821	82	0.886	89	8
TOTAL XYLENES	<0.025	2.0	1.74	87	1.87	94	7

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: N/A
PROJECT #	: 0161-041-B04	DATE RECEIVED	: N/A
PROJECT NAME	: UNOCAL FEDERAL WAY	DATE EXTRACTED	: 01/10/91
CLIENT I.D.	: REAGENT BLANK	DATE ANALYZED	: 01/10/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 01/09/91
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/10/91
PROJECT NAME	: UNOCAL FEDERAL WAY	DATE EXTRACTED	: 01/10/91
CLIENT I.D.	: 910109-PL-6	DATE ANALYZED	: 01/10/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 01/09/91
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/10/91
PROJECT NAME	: UNOCAL FEDERAL WAY	DATE EXTRACTED	: 01/10/91
CLIENT I.D.	: 910109-PL-7	DATE ANALYZED	: 01/10/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 01/09/91
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/10/91
PROJECT NAME	: UNOCAL FEDERAL WAY	DATE EXTRACTED	: 01/10/91
CLIENT I.D.	: 910109-PL-8	DATE ANALYZED	: 01/10/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 01/09/91
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/10/91
PROJECT NAME	: UNOCAL FEDERAL WAY	DATE EXTRACTED	: 01/10/91
CLIENT I.D.	: 910109-PL-SP	DATE ANALYZED	: 01/10/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 01/09/91
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/10/91
PROJECT NAME	: UNOCAL FEDERAL WAY	DATE EXTRACTED	: 01/10/91
CLIENT I.D.	: 910109-VW-1	DATE ANALYZED	: 01/10/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 01/09/91
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/10/91
PROJECT NAME	: UNOCAL FEDERAL WAY	DATE EXTRACTED	: 01/10/91
CLIENT I.D.	: 910109-VW-2	DATE ANALYZED	: 01/10/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 01/09/91
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/10/91
PROJECT NAME	: UNOCAL FEDERAL WAY	DATE EXTRACTED	: 01/10/91
CLIENT I.D.	: 910109-G-SP-A	DATE ANALYZED	: 01/10/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 01/09/91
PROJECT #	: 0161-041-B04	DATE RECEIVED	: 01/10/91
PROJECT NAME	: UNOCAL FEDERAL WAY	DATE EXTRACTED	: 01/10/91
CLIENT I.D.	: 910109-G-SP-B	DATE ANALYZED	: 01/10/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS
QUALITY CONTROL DATA

CLIENT	: GEOENGINEERS, INC.	SAMPLE I.D.	: 9101-053-3
PROJECT #	: 0161-041-B04	DATE EXTRACTED	: 01/10/91
PROJECT NAME	: UNOCAL FEDERAL WAY	DATE ANALYZED	: 01/10/91
EPA METHOD	: 8015 MODIFIED	MATRIX	: SOIL
		UNITS	: mg/Kg

COMPOUND	SAMPLE RESULT	CONC SPIKED	SPIKED SAMPLE	% REC	DUP SPIKED SAMPLE	DUP % RECOVERY	RPD
FUEL HYDROCARBONS	<5	500	381	76	394	79	3

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GENERAL CHEMISTRY RESULTS

CLIENT : GEOENGINEERS, INC. MATRIX : SOIL
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL FEDERAL WAY UNITS : mg/Kg

ATI I.D. #	CLIENT I.D.	PETROLEUM HYDROCARBONS
9101-053-5	910109-VW-1	170
9101-053-6	910109-VW-2	280
REAGENT BLANK	-	<5

GENERAL CHEMISTRY RESULTS

CLIENT : GEOENGINEERS, INC. MATRIX : SOIL
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL FEDERAL WAY UNITS : %

ATI I.D. #	CLIENT I.D.	MOISTURE
9101-053-1	910109-PL-6	13
9101-053-2	910109-PL-7	16
9101-053-3	910109-PL-8	10
9101-053-4	910109-PL-SP	13
9101-053-7	910109-G-SP-A	12
9101-053-8	910109-G-SP-B	11

GENERAL CHEMISTRY QUALITY CONTROL

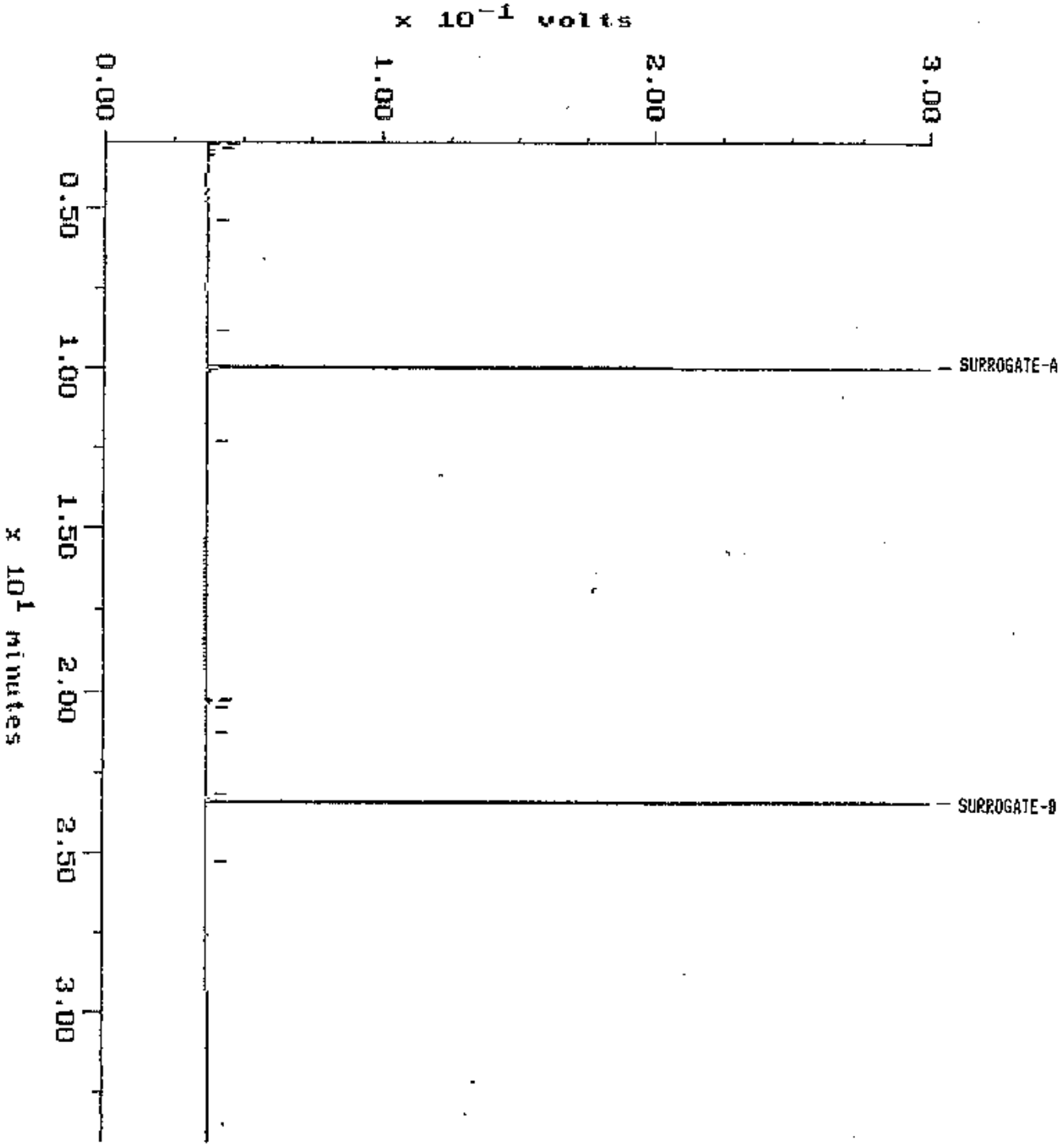
CLIENT : GEOENGINEERS, INC. MATRIX : SOIL
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL FEDERAL WAY

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP RESULT	RPD	SPIKED RESULT	SPIKE ADDED	% REC
PETROLEUM HYDROCARBONS	mg/Kg	9101-053-6	280	270	4	576	263	112
MOISTURE	%	9101-059-2	16	17	6	N/A	N/A	N/A

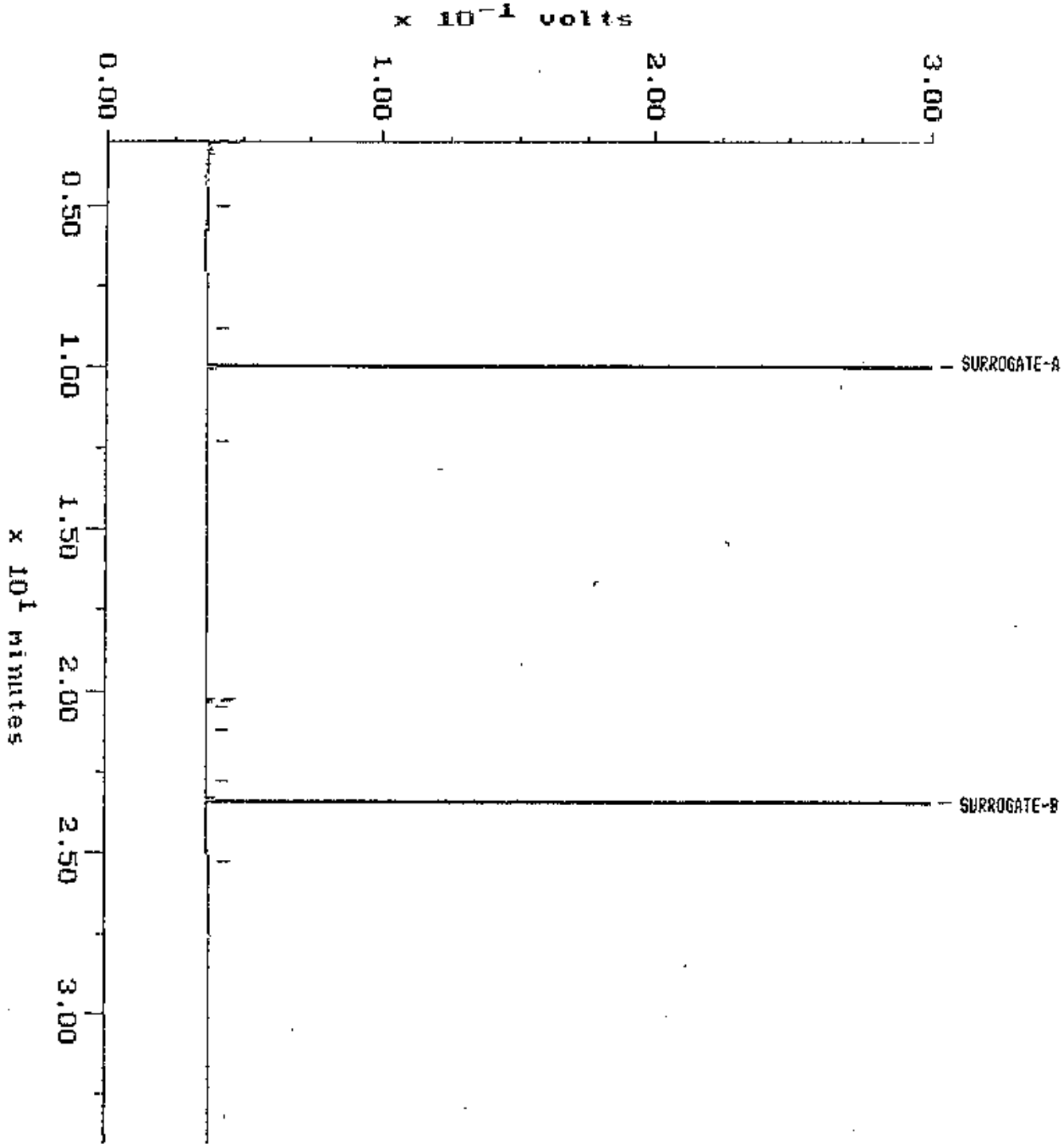
$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

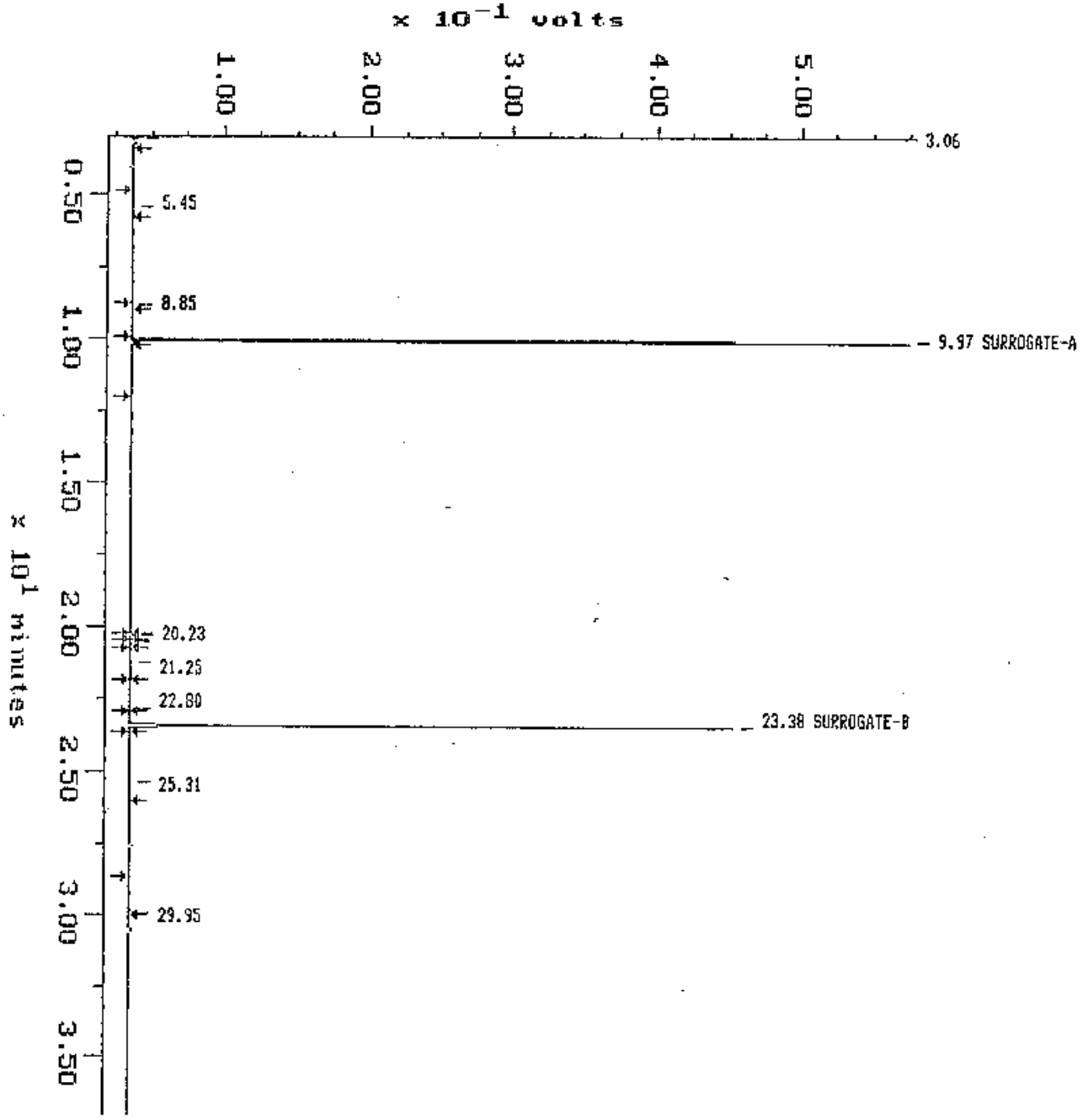
Sample: 9101-053-1 Channel: CLARENCE Filename: 0110SC09
Acquired: 10-JAN-91 10:36 Method: M:\MAIDATA\SERGE-C\FUEL0110 Operator: BRE
Inj Vol: 1.00



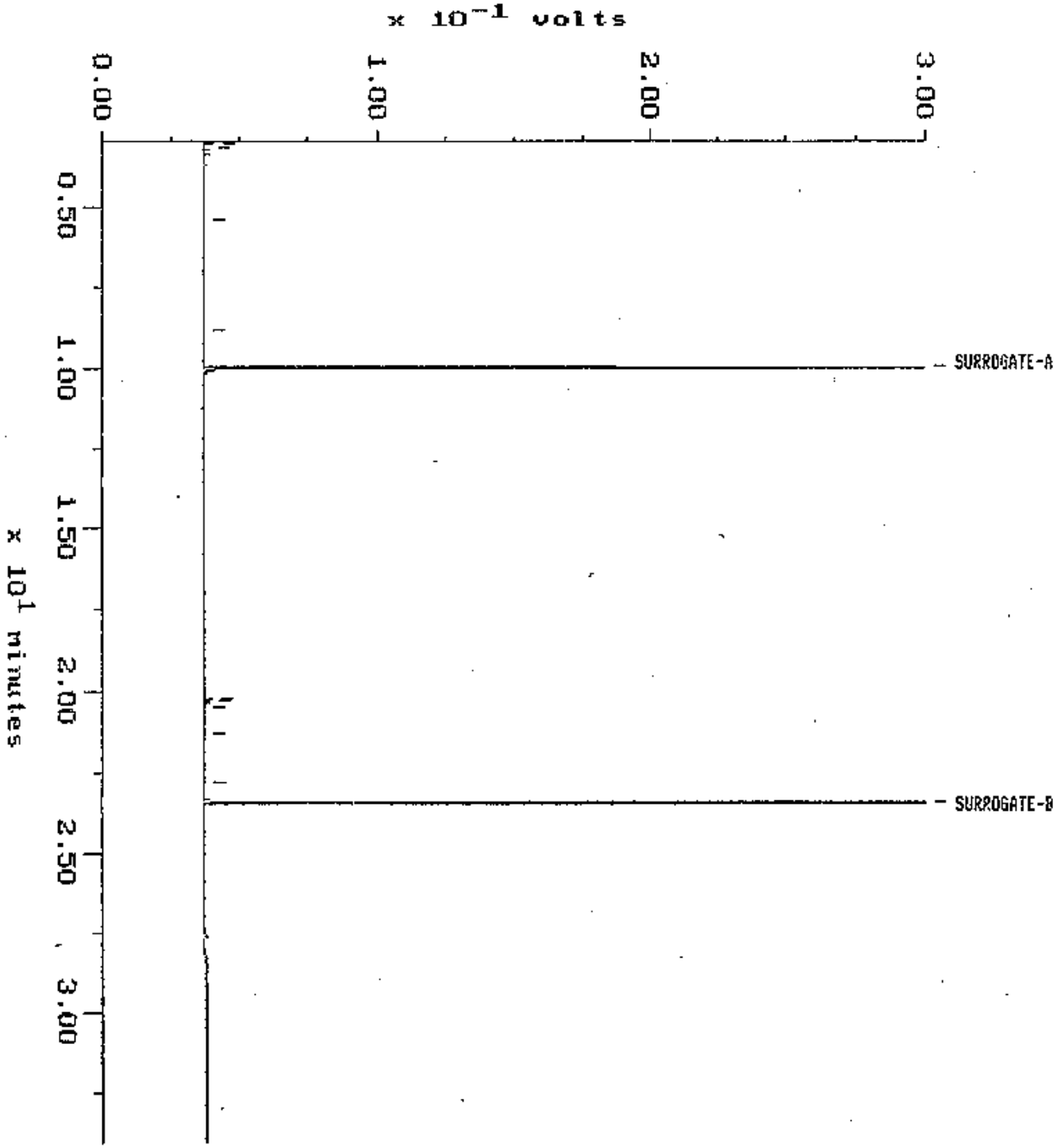
Sample: 9101-053-2 Channel: CLARENCE Filename: 0110SC10
Acquired: 10-JAN-91 19:23 Method: M:\HAXDATA\SERGE-C\FUEL0110 Operator: BRE
Inj Vol: 1.00

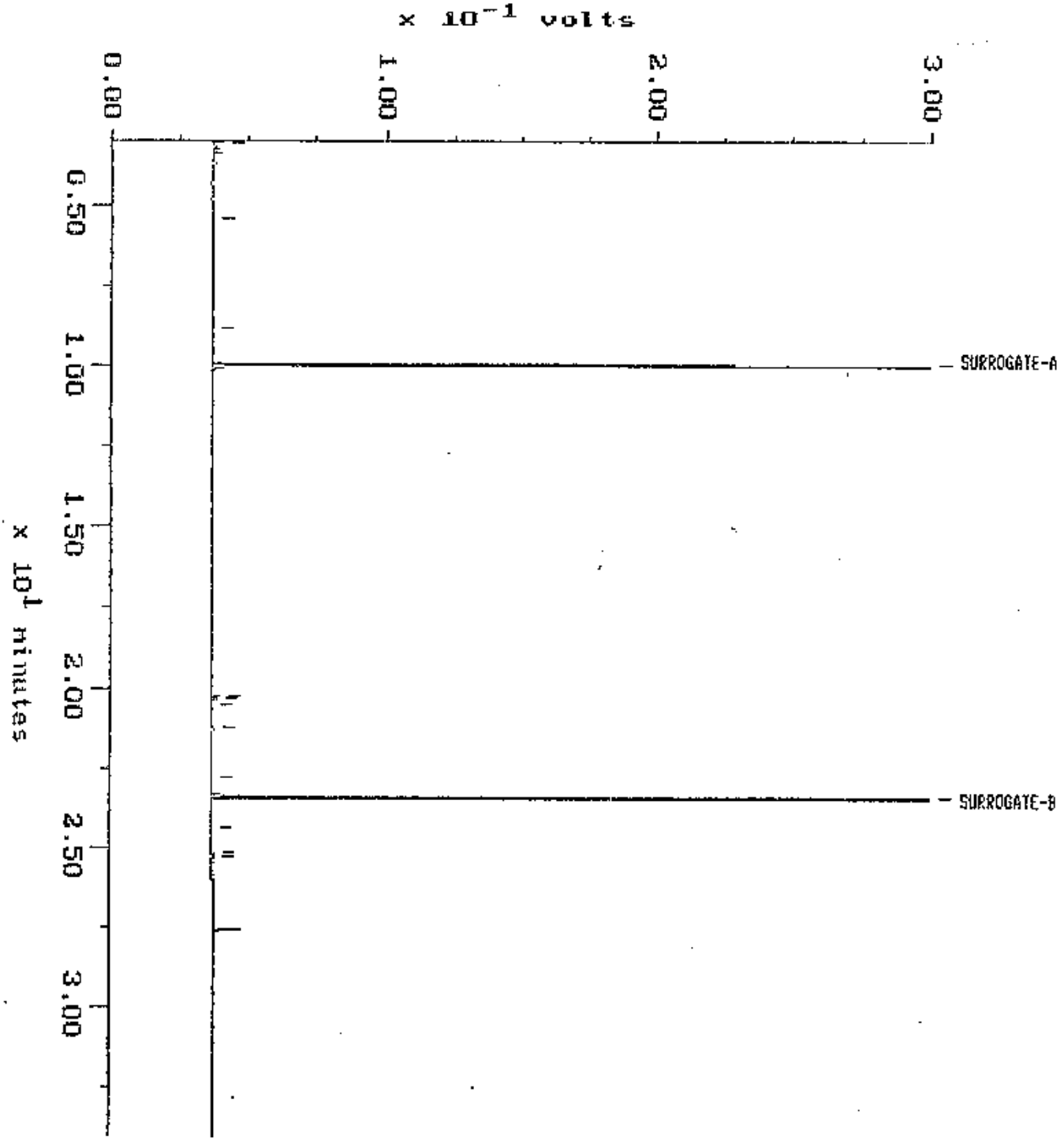


Sample: 9101-053-3 Channel: CLARENCE Filename: 0110SC04
Acquired: 10-JAN-91 14:42 Method: M:\MAXDATA\SERGE-C\FUEL0110 Operator: BRE
Inj Vol: 1.00

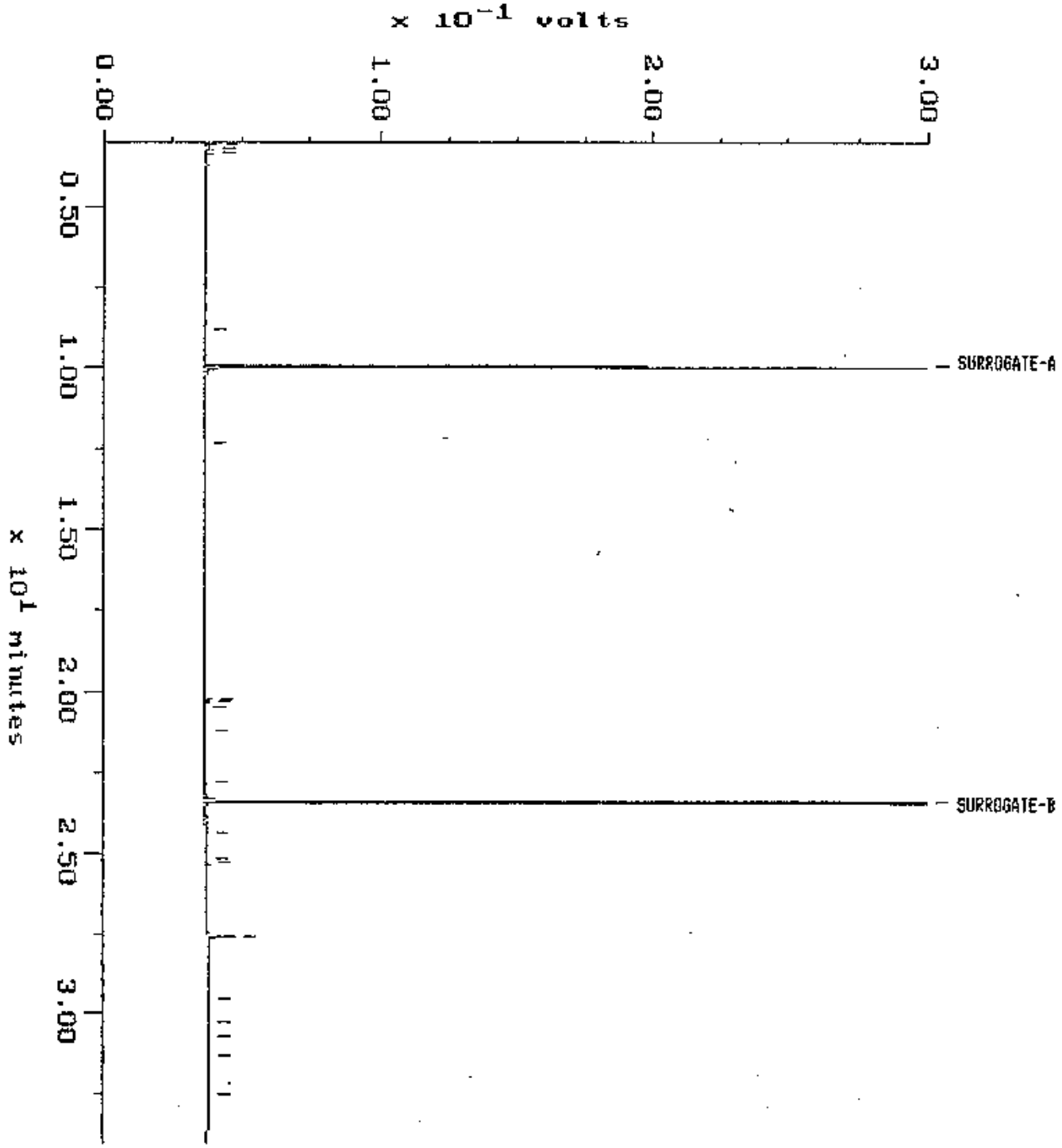


Sample: 9101-053-4 Channel: CLARENCE Filename: 0110SC11
Acquired: 10-JAN-91 20:10 Method: M:\MAXDATA\SERGE-C\FUEL0110 Operator: BRE
Inj Vol: 1.00




Sample: 9101-053-5
Acquired: 10-JAN-91 20:56
Inj Vol: 1.00
Channel: CLARENCE
Method: M:\MAXDATA\SERGE-C\FUEL0110
Filename: 0110SC12
Operator: BRE
x 10⁻¹ volts
0.00
1.00
2.00
3.00
0.50
1.00
1.50
2.00
2.50
3.00
x 10¹ minutes
SURROGATE-A
SURROGATE-B

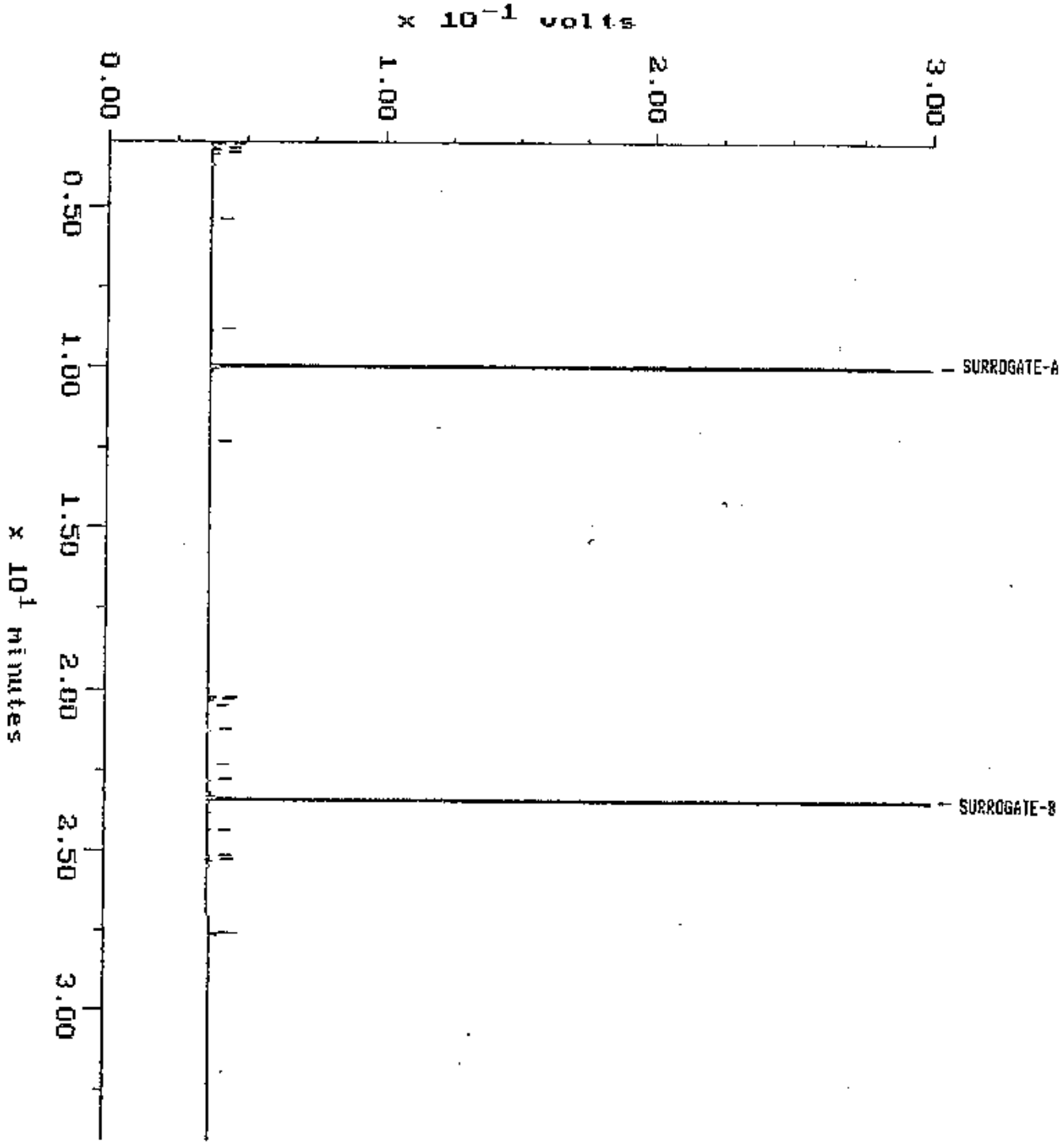
Sample: 9010-053-6 Channel: CLARENCE Filename: 0110SC14
Acquired: 10-JAN-91 22:29 Method: M:\MAXDATA\SERGE-C\FUEL0110 Operator: BRE
Inj Vol: 1.00

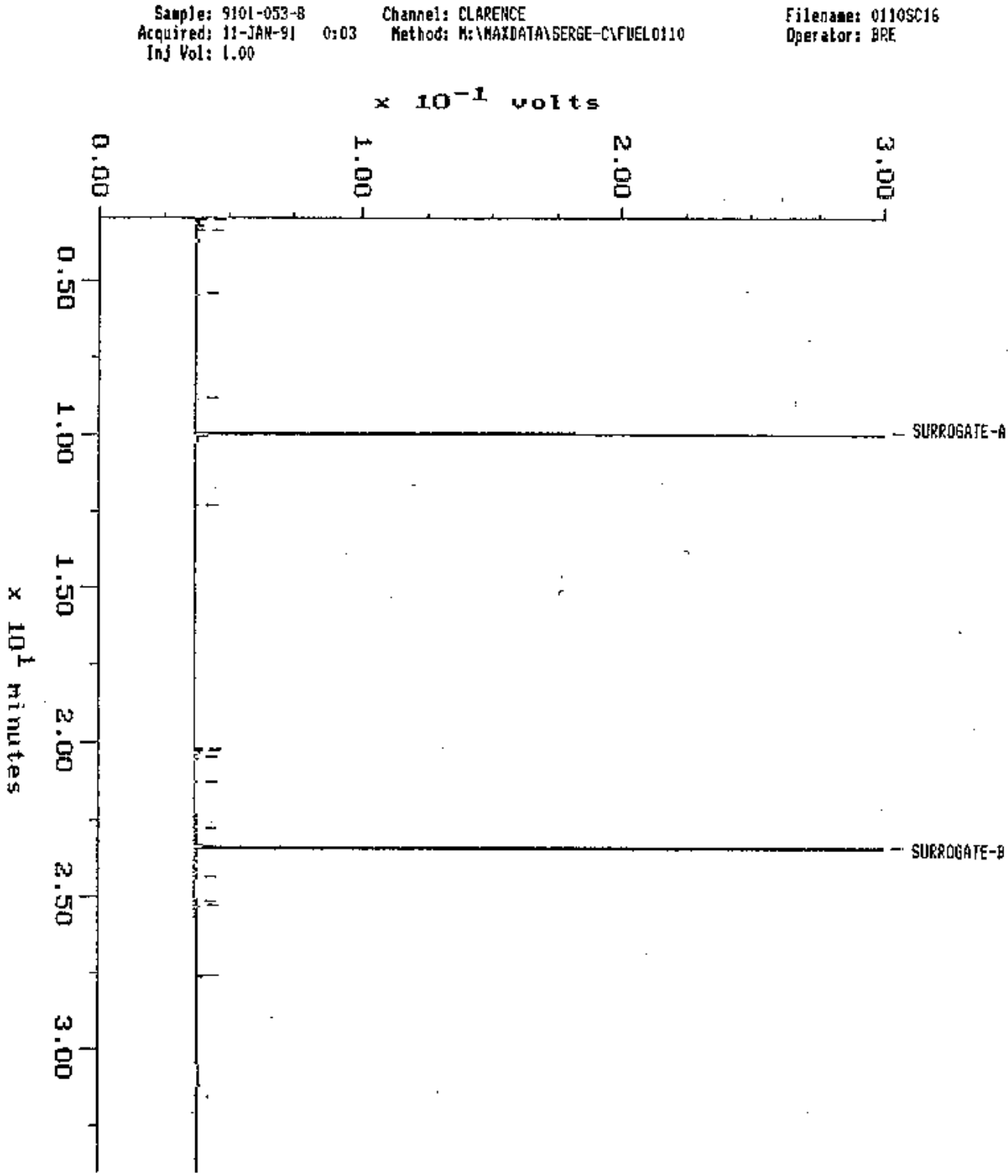


Sample: 9101-053-7
Acquired: 10-JAN-91 23:17
Inj Vol: 1.00

Channel: CLARENCE
Method: M:\MAXDATA\SERGE-C\FUEL0110

Filename: 0110SC15
Operator: BRE




Sample: 9101-053-B
Acquired: 11-JAN-91 0:03
Inj Vol: 1.00
Channel: CLARENCE
Method: M:\MAXDATA\SERGE-C\FUEL0110
Filename: 0110SC16
Operator: BRE
x 10⁻¹ volts
0.00
1.00
2.00
3.00
0.50
1.00
1.50
2.00
2.50
3.00
x 10¹ minutes
SURROGATE-A
SURROGATE-B

Analytical Technologies, Inc.
560 Naches Avenue SW, Suite 101 Renton, WA 98055 (206)228-8335

Chain of Custody

DATE 1/9/91 PAGE ___ OF ___

LABORATORY NUMBER: 9101-053

PROJECT MANAGER: TERRY FISK
COMPANY: GEO ENGINEERS
ADDRESS: 2405 140TH AVE NE STE 105
BELLEVUE, WA 98005
PHONE: 746-5200 SAMPLED BY: DCH

SAMPLE DISPOSAL INSTRUCTIONS

☒ ATI Disposal @ $5.00 each ☐ Return

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	8010 Halogenated Volatiles	8020 Aromatic Volatiles	BETX ONLY	8240 GCMS Volatiles	8270 GCMS BNA	8310 HPLC PNA	8080 Pesticides & PCB's	PCB's ONLY	8140 Phosphate Pesticides	8150 Herbicides	WDOE PAH/HH (WAC 173)	418.1 (TPH)	413.2 Grease & Oil	8015 (Modified)	TOC 9060	TOX 9020	% Moisture	EP TOX Metals (8) EP EXT	Priority Pollutant Metals (13)	TCLP ONLY: 8080 Pesticide (4)	TCLP ONLY: 8240 ZH-EXT	TCLP ONLY: 8270	TCLP ONLY: 8150 Herbicides (2)	TCLP ONLY: Metals (8)			NUMBER OF CONTAINERS
910109-PL-6	1/9/91	1230	SOIL	1			X											X													1
910109-PL-7		1235	SOIL	2			X											X													1
910109-PL-8		1240	SOIL	3			X											X													1
910109-PL-SP		1360	SOIL	4			X											X													1
910109-VW-1		1330	SOIL	5												X		X													1
910109-VW-2		1600	SOIL	6												X		X													1
910109-G-SP-A		1400	SOIL	7			X											X													1
910109-G-SP-B	↓	1435	SOIL	8			X											X													1

PROJECT INFORMATION

PROJECT NUMBER: 0161-041-B04
PROJECT NAME: UNOCAL FERGUSON
PURCHASE ORDER NUMBER:
ONGOING PROJECT? YES ☑ NO ☐

SAMPLE RECEIPT

TOTAL NUMBER OF CONTAINERS	8
COC SEALS/INTACT? Y/N/NA	N/A
RECEIVED GOOD COND./COLD	Y/Y
RECEIVED VIA:	Hand Del

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

TAT: (NORMAL) ☐ 2WKS (RUSH) ☑ 24HR ☐ 48 HRS ☐ 72 HRS ☐ 1 WK
GREATER THAN 24 HR. NOTICE? YES ☑ NO ☐ (LAB USE ONLY)

SPECIAL INSTRUCTIONS: SS#6227
Send results to Terry Fisk @ GEI

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Time: 1005	Signature: Time:	Signature: Time:
Printed Name: DONALD HANSON Date: 1/10/91	Printed Name: Date:	Printed Name: Date:
Company: GEI	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: Time:	Signature: Time:	Signature: Time: 1005
Printed Name: Date:	Printed Name: Date:	Printed Name: V. KENNICK Date: 1/10/91
Company:	Company:	Analytical Technologies, Inc.

ATI Labs: San Diego (619)458-9141 • Phoenix (602)438-1530 • Seattle (206)228-8335 • Pensacola (904)474-1001 DISTRIBUTION: White, Canary - ATI • Pink - ORIGINATOR

№ 1042

R - 87

Analytical Technologies, Inc. 560 Naches Avenue, S.W., Suite 101, Renton, WA 98055. (206) 228-8335

ATI I.D. # 9101-069

GeoEngineers

JAN 21 1991

Routing

File

January 16, 1991

GeoEngineers, Inc.
2405 140th Avenue N.E.
Suite 105
Bellevue, WA 98005

Attention : Terry Fisk

Project Number : 161-041-B04

Project Name : Unocal Federal Way

On January 11, 1991, Analytical Technologies, Inc., received four soil samples for analysis. The samples were analyzed with EPA methodology or equivalent methods as specified in the attached analytical schedule. The results, sample cross reference, and quality control data are enclosed.

Kenneth C. Wahl for Bob A. Olsiewski
Project Manager

Frederick W. Grothkopp
Technical Manager

FWG/tc

SAMPLE CROSS REFERENCE SHEET

CLIENT : GEOENGINEERS, INC.
PROJECT # : 161-041-B04
PROJECT NAME : UNOCAL FEDERAL WAY

ATI #	CLIENT DESCRIPTION	DATE SAMPLED	MATRIX
9101-069-1	910110-VW-3	01/10/91	SOIL
9101-069-2	910110-VWSP-1	01/10/91	SOIL
9101-069-3	910110-VWSP-2	01/10/91	SOIL
9101-069-4	910110-VWSP-3	01/10/91	SOIL

----- TOTALS -----

MATRIX	# SAMPLES
SOIL	4

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

ANALYTICAL SCHEDULE

CLIENT : GEOENGINEERS, INC.
PROJECT # : 161-041-B04
PROJECT NAME : UNOCAL FEDERAL WAY

ANALYSIS	TECHNIQUE	REFERENCE	LAB
FUEL HYDROCARBONS	GC/FID	EPA 8015 MODIFIED	R
PETROLEUM HYDROCARBONS	IR	EPA 418.1	R

R = ATI - Renton
SD = ATI - San Diego
T = ATI - Tempe
PNR = ATI - Pensacola
FC = ATI - Fort Collins
SUB = Subcontract

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: N/A
PROJECT #	: 161-041-B04	DATE RECEIVED	: N/A
PROJECT NAME	: UNOCAL FEDERAL WAY	DATE EXTRACTED	: 01/11/91
CLIENT I.D.	: REAGENT BLANK	DATE ANALYZED	: 01/11/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 01/10/91
PROJECT #	: 161-041-B04	DATE RECEIVED	: 01/11/91
PROJECT NAME	: UNOCAL FEDERAL WAY	DATE EXTRACTED	: 01/11/91
CLIENT I.D.	: 910110-VW-3	DATE ANALYZED	: 01/11/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 01/10/91
PROJECT #	: 161-041-B04	DATE RECEIVED	: 01/11/91
PROJECT NAME	: UNOCAL FEDERAL WAY	DATE EXTRACTED	: 01/11/91
CLIENT I.D.	: 910110-VWSP-1	DATE ANALYZED	: 01/11/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 01/10/91
PROJECT #	: 161-041-B04	DATE RECEIVED	: 01/11/91
PROJECT NAME	: UNOCAL FEDERAL WAY	DATE EXTRACTED	: 01/11/91
CLIENT I.D.	: 910110-VWSP-2	DATE ANALYZED	: 01/11/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS ANALYSIS
DATA SUMMARY

CLIENT	: GEOENGINEERS, INC.	DATE SAMPLED	: 01/10/91
PROJECT #	: 161-041-B04	DATE RECEIVED	: 01/11/91
PROJECT NAME	: UNOCAL FEDERAL WAY	DATE EXTRACTED	: 01/11/91
CLIENT I.D.	: 910110-VWSP-3	DATE ANALYZED	: 01/11/91
SAMPLE MATRIX	: SOIL	UNITS	: mg/Kg
EPA METHOD	: 8015 MODIFIED	DILUTION FACTOR	: 1

COMPOUND	RESULT
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	GASOLINE
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	DIESEL

FUEL HYDROCARBONS
QUALITY CONTROL DATA

CLIENT	: GEOENGINEERS, INC.	SAMPLE I.D.	: 9101-070-1
PROJECT #	: 161-041-B04	DATE EXTRACTED	: 01/11/91
PROJECT NAME	: UNOCAL FEDERAL WAY	DATE ANALYZED	: 01/11/91
EPA METHOD	: 8015 MODIFIED	MATRIX	: SOIL
		UNITS	: mg/Kg

COMPOUND	SAMPLE RESULT	CONC SPIKED	SPIKED SAMPLE	% REC	DUP SPIKED SAMPLE	DUP % RECOVERY	RPD
FUEL HYDROCARBONS	<5	500	606	121	608	122	0

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GENERAL CHEMISTRY
SOIL

CLIENT : GEOENGINEERS, INC.
PROJECT # : 161-041-B04
PROJECT NAME : UNOCAL FEDERAL WAY

ANALYSIS	DATE PREPPED	DATE ANALYZED
PETROLEUM HYDROCARBONS	01/11/91	01/11/91

GENERAL CHEMISTRY RESULTS

CLIENT : GEOENGINEERS, INC. SAMPLE MATRIX : SOIL
PROJECT # : 161-041-B04
PROJECT NAME : UNOCAL FEDERAL WAY UNITS : mg/Kg

ATI I.D. #	CLIENT I.D.	PETROLEUM HYDROCARBONS
9101-069-1	910110-VW-3	33
9101-069-2	910110-VWSP-1	34
9101-069-3	910110-VWSP-2	12
9101-069-4	910110-VWSP-3	50
REAGENT BLANK	-	<5

GENERAL CHEMISTRY QUALITY CONTROL

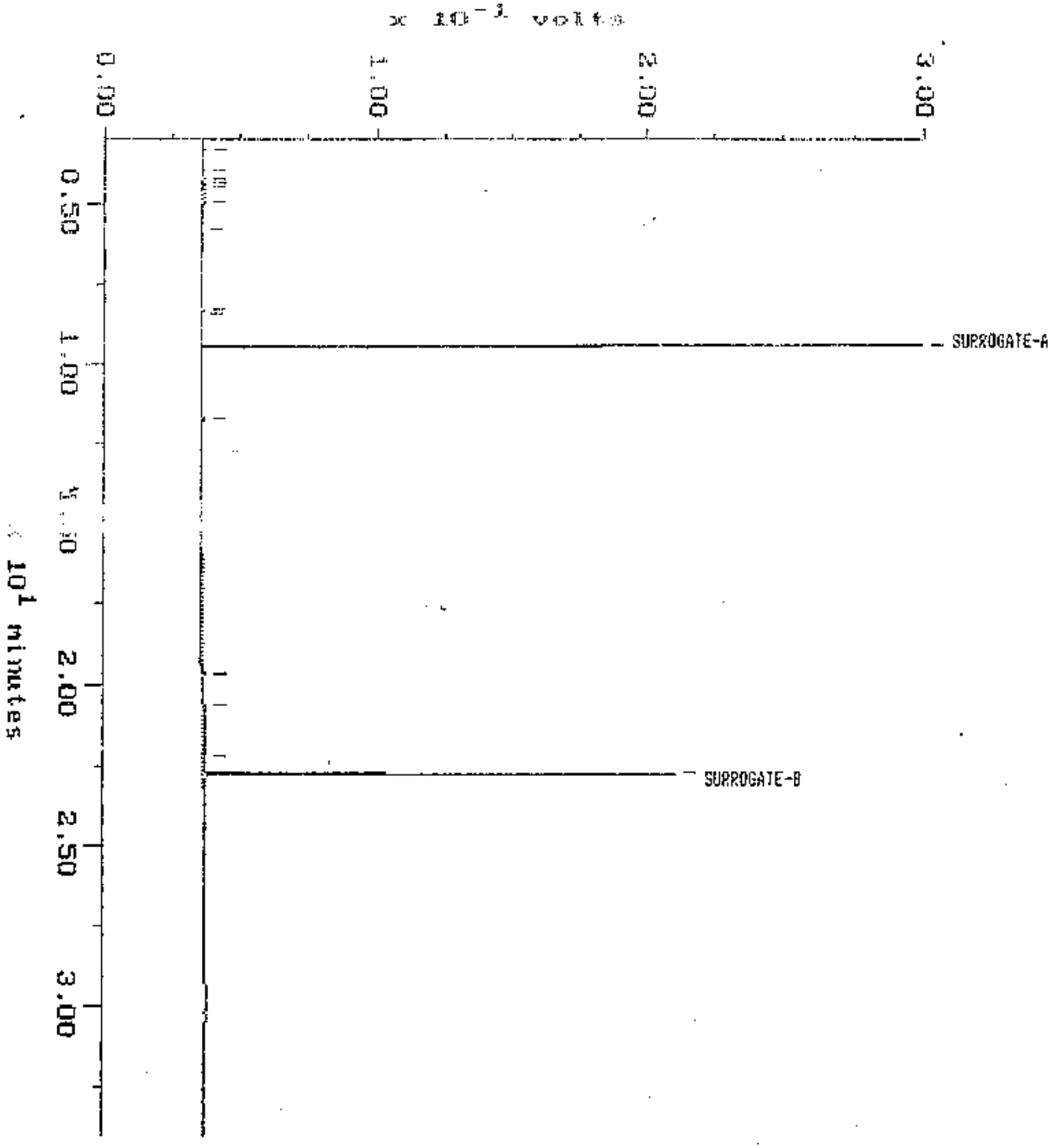
CLIENT : GEOENGINEERS, INC. MATRIX : SOIL
PROJECT # : 161-041-B04
PROJECT NAME : UNOCAL FEDERAL WAY UNITS : mg/Kg

PARAMETER	ATI I.D.	SAMPLE RESULT	DUP RESULT	RPD	SPIKED RESULT	SPIKE ADDED	% REC
PETROLEUM HYDROCARBONS	9101-070-2	48	51	6	282	244	96

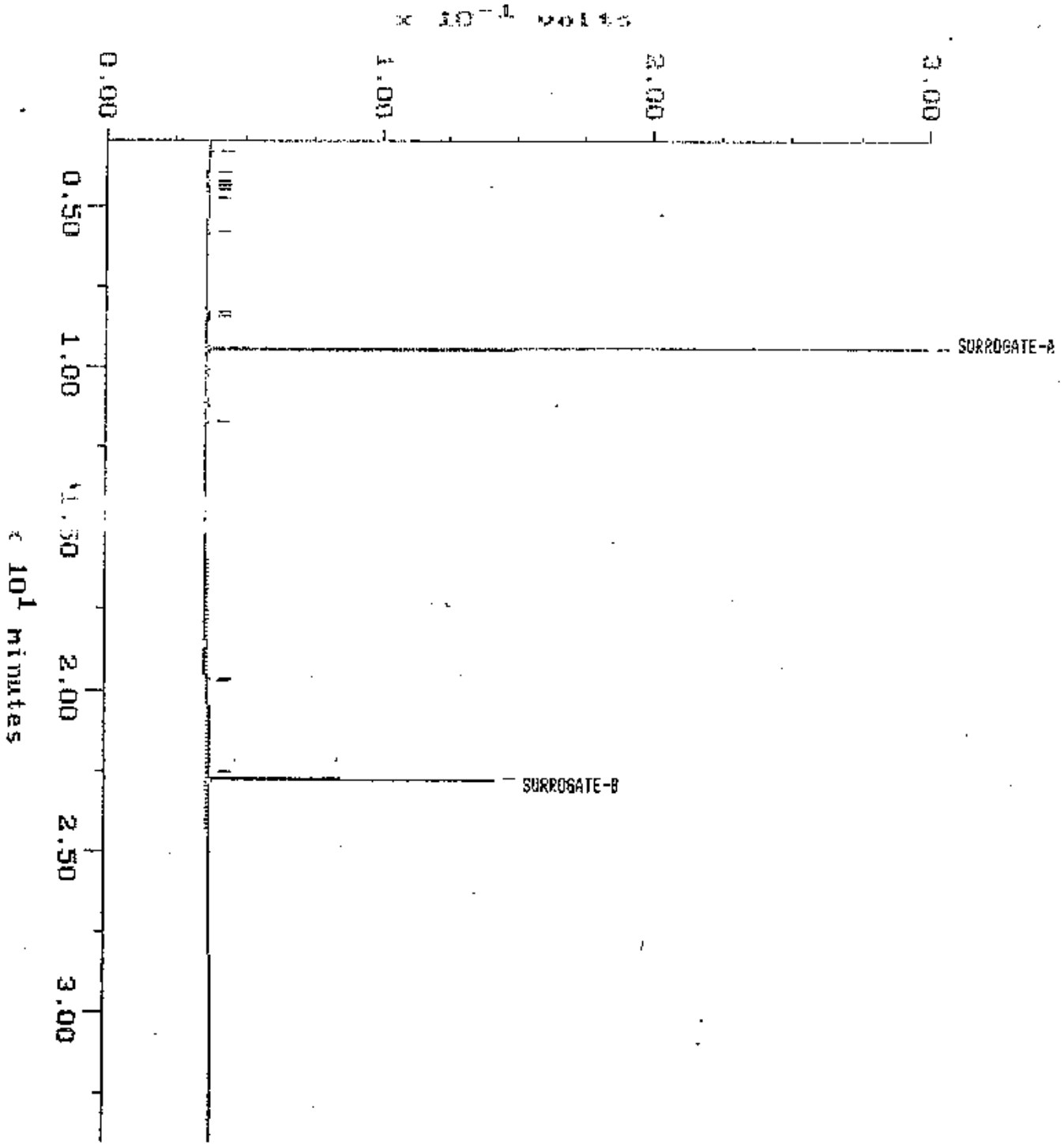
$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

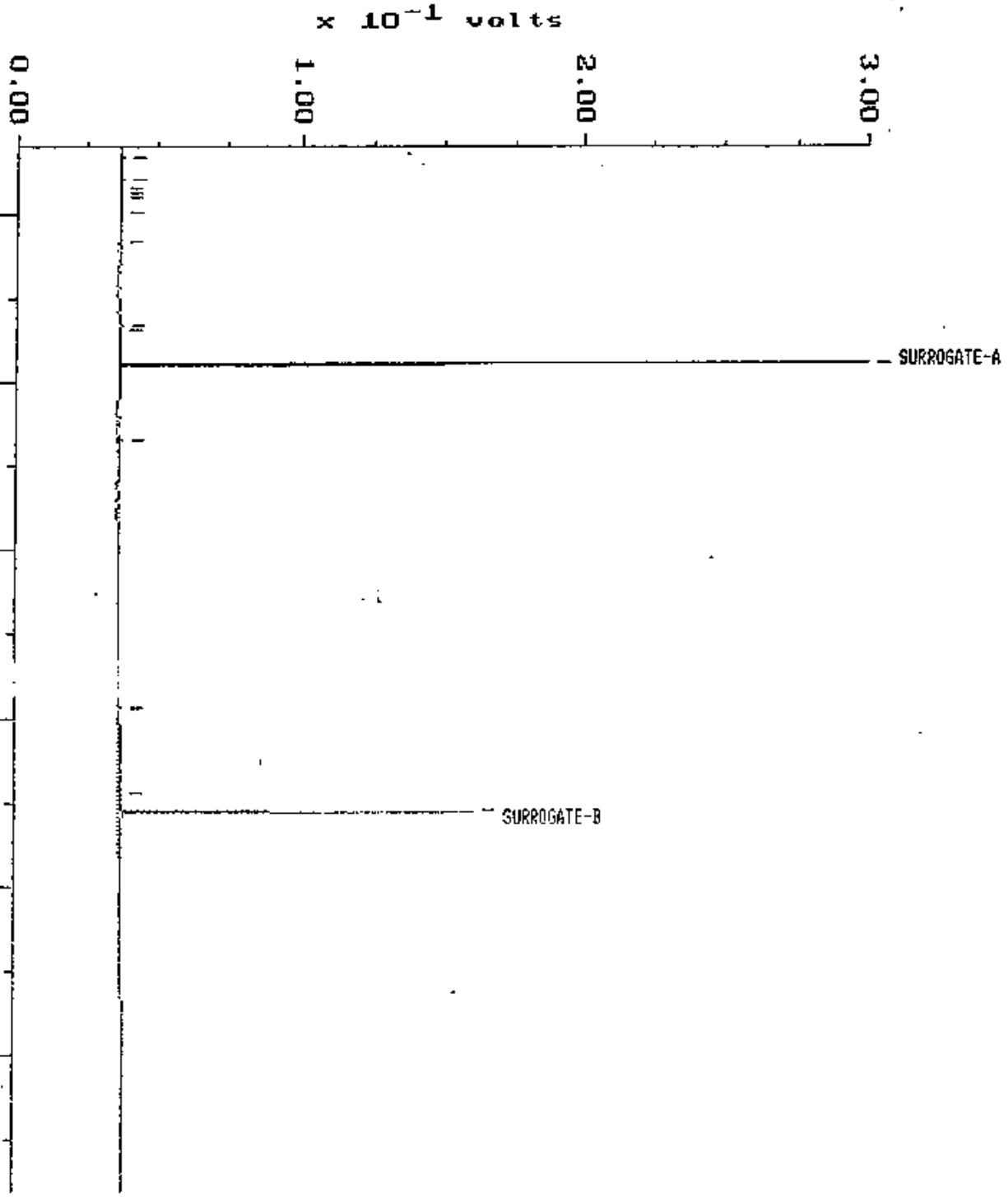
Sample: 9101-069-1 Channel: DEMITRI Filename: 01115D09
Acquired: 12-JAN-91 17:29 Method: M:\MAXDATA\SERGE-D\FUEL015 Operator: BRE
Inj Vol: 1.00



Sample: 9101-069-2 Channel: GCMITA1 Filename: 01113D10
Acquired: 11-JAN-91 10:13 Method: M:\MAXDATA\SERGE-EV\92L0111 Operator: BRE
Inj Vol: 1.00

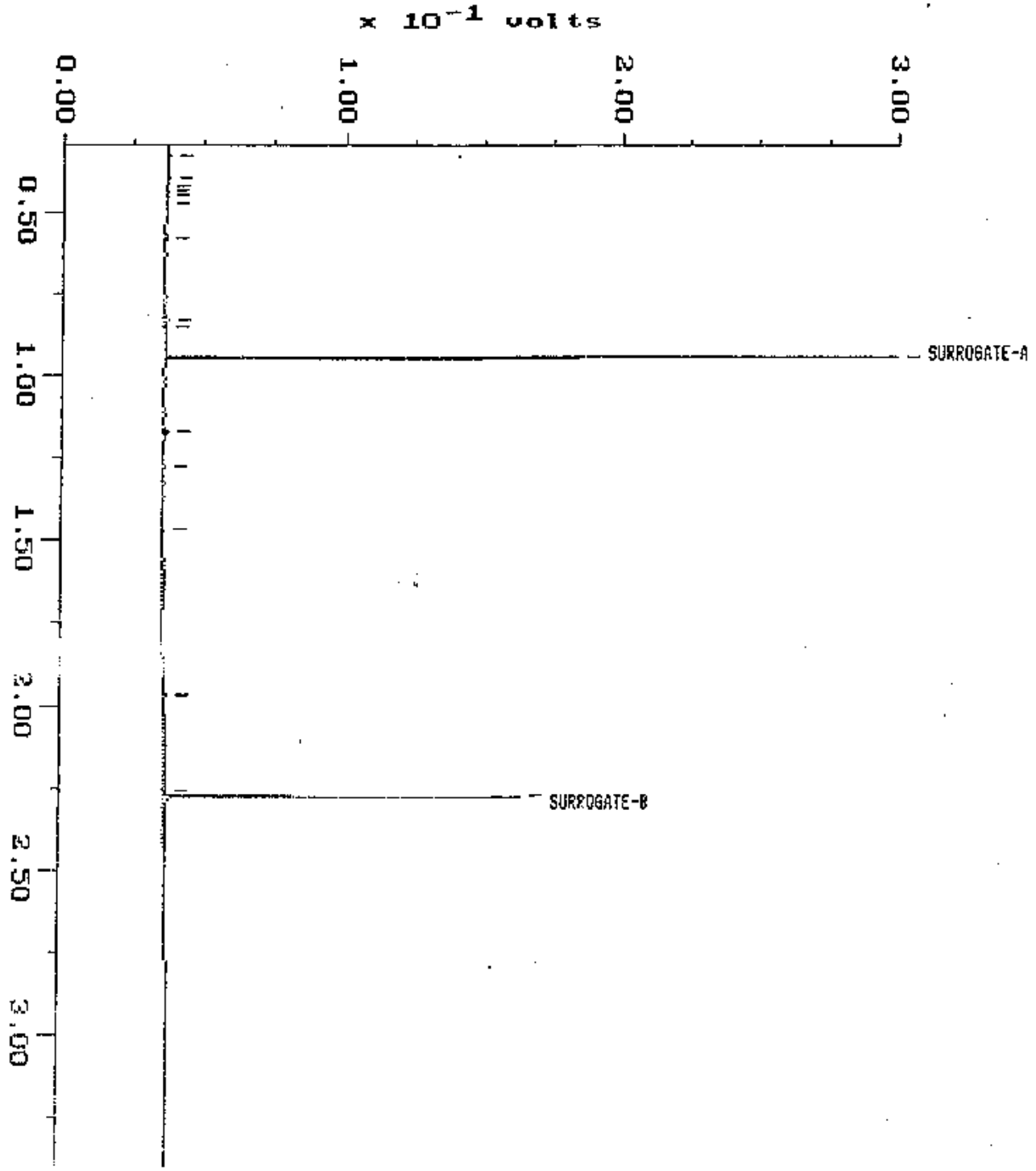


Sample: 9101[illegible]69-3 Channel: DEMITRI Filename: 0111SD12
Acquired: 11-JAN-91 19:49 Method: K:\MAXDATA\SERGE-D\FUEL0111 Operator: BRE
Inj Vol: 1.00



9101-169-4

Sample: 9101-169-4 Channel: DEMITRI Filename: 0111SD13
Acquired: 11-JAN-91 20:35 Method: M:\MAIDATA\SERGE-D\FUEL0111 Operator: BRE
Inj Vol: 1.00



Analytical Technologies, Inc.
560 Naches Avenue SW, Suite 101 Renton, WA 98055 (206)228-8335

Chain of Custody

DATE 1/10/91 PAGE 1 OF 1

LABORATORY NUMBER: 9101-069

PROJECT MANAGER: TERRY FISK
COMPANY: GEOENGINEERS
ADDRESS: 2405 140th AVE NE STE 105
BELLEVUE, WA 98005
PHONE: 746-5200 SAMPLED BY: DEH

SAMPLE DISPOSAL INSTRUCTIONS
☒ ATI Disposal @ $5.00 each ☐ Return

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	8010 Halogenated Volatiles	8020 Aromatic Volatiles	BETX ONLY	8240 : GCMS Volatiles	8270 GCMS BNA	8310 HPLC PNA	8080 Pesticides & PCB's	PCB's ONLY	8140 Phosphate Pesticides	8150 Herbicides	WDOE PAH/HH (WAC 173)	418.1 (TPH)	413.2 Grease & Oil	8015 (Modified)	TOC 9060	TOX 9020	% Moisture	EP TOX Metals (8) EP EXT	Priority Pollutant Metals (13)	TCLP ONLY: 8080 Pesticide (4)	TCLP ONLY: 8240 ZH-EXT	TCLP ONLY: 8270	TCLP ONLY: 8150 Herbicides (2)	TCLP ONLY: Metals (8)			NUMBER OF CONTAINERS
910110-VW-3	1/10/91	1225	SOIL	1												X		X													1
910110-VWSP-1	1/10/91	1240	SOIL	2												X		X													1
910110-VWSP-2	1/10/91	1245	SOIL	3												X		X													1
910110-VWSP-3	1/10/91	1300	SOIL	4												X		X													1

PROJECT INFORMATION
PROJECT NUMBER: 161-041-B04
PROJECT NAME: UNOCAL FEDERAL WAY
PURCHASE ORDER NUMBER:
ONGOING PROJECT? YES ☒ NO ☐

SAMPLE RECEIPT
TOTAL NUMBER OF CONTAINERS: 4
COC SEALS/INTACT? Y/N/NA: Y/Y
RECEIVED GOOD COND./COLD: 4
RECEIVED VIA: Courier

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS
TAT: (NORMAL) ☐ 2WKS (RUSH) ☒ 24HR ☐ 48 HRS ☐ 72 HRS ☐ 1 WK
GREATER THAN 24 HR. NOTICE? YES ☐ NO ☐ (LAB USE ONLY)

SPECIAL INSTRUCTIONS: SS#6227
Results to Terry Fisk @ GeoEngineers

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Time: 0815	Signature: Time:	Signature: Time:
Printed Name: Donnie Hargon Date: 1/11/91	Printed Name: Date:	Printed Name: Date:
Company: GEI	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: Time:	Signature: Time:	Signature: Time: 1015
Printed Name: Date:	Printed Name: Date:	Printed Name: V. PENNICK Date: 1/11/91
Company:	Company:	Analytical Technologies, Inc.

ATI Labs: San Diego (619)458-9141 • Phoenix (602)438-1530 • Seattle (206)228-8335 • Pensacola (904)474-1001 DISTRIBUTION: White, Canary - ATI - Pink - ORIGINATOR

No 2051

B - 104

Analytical Technologies, Inc. 560 Naches Avenue, S.W., Suite 101, Renton, WA 98055, (206) 228-8335

ATI I.D. # 9101-113

GeoEngineers

JAN 31 1991

Routing TTF

File

January 29, 1991

GeoEngineers, Inc.
2405 140th Avenue N.E.
Suite 105
Bellevue, WA 98005

Attention : Julia Fowler

Project Number : 0161-041-B04

Project Name : Unocal - Federal Way

On December 13, 1990, Analytical Technologies, Inc., received eight soil samples for analysis. The samples were analyzed with EPA methodology or equivalent methods as specified in the attached analytical schedule. The results, sample cross reference, and quality control data were issued on December 26, 1990, under ATI accession number 9012-122.

One sample was reaccessioned for additional tests on January 17, 1991. Enclosed is the report for the additional analyses.

Mary C. Silva
Senior Project Manager

Frederick W. Grothkopp
Technical Manager

FWG/elf

SAMPLE CROSS REFERENCE SHEET

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL - FEDERAL WAY

ATI #	CLIENT DESCRIPTION	DATE SAMPLED	MATRIX
9101-113-1	WO-8 (COMPOSITE)	12/13/90	SOIL

----- TOTALS -----

MATRIX	# SAMPLES
SOIL	1

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

ANALYTICAL SCHEDULE

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL - FEDERAL WAY

ANALYSIS	TECHNIQUE	REFERENCE	LAB
ARSENIC	AA/GF	EPA 7060	R
BARIUM	AA/F	EPA 7080	R
CADMIUM	AA/F	EPA 7130	R
CHROMIUM	AA/F	EPA 7190	R
LEAD	AA/F	EPA 7420	R
MERCURY	AA/COLD VAPOR	EPA 7470	R
SELENIUM	AA/GF	EPA 7740	R
SILVER	AA/F	EPA 7760	R

R = ATI - Renton
SD = ATI - San Diego
T = ATI - Tempe
PNR = ATI - Pensacola
FC = ATI - Fort Collins
SUB = Subcontract

TCLP
METALS ANALYSIS
TCLP EXTRACT

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL - FEDERAL WAY

ELEMENT	DATE PREPARED	DATE ANALYZED
ARSENIC	01/17/91	01/21/91
BARIUM	01/17/91	01/22/91
CADMIUM	01/17/91	01/21/91
CHROMIUM	01/17/91	01/21/91
LEAD	01/17/91	01/21/91
MERCURY	01/17/91	01/22/91
SELENIUM	01/17/91	01/21/91
SILVER	01/17/91	01/21/91

TCLP
METALS RESULTS

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL - FEDERAL WAY

MATRIX : TCLP EXTRACT
UNITS : mg/L

PARAMETER	WO-8 (COMPOSITE) -1	REAGENT BLANK
ARSENIC	<0.005	<0.005
BARIUM	0.27	<0.02
CADMIUM	<0.01	<0.01
CHROMIUM	<0.02	<0.02
LEAD	<0.1	<0.1
MERCURY	<0.0005	<0.0005
SELENIUM	<0.005	<0.005
SILVER	<0.02	<0.02

TCLP
METALS QUALITY CONTROL

CLIENT : GEOENGINEERS, INC. MATRIX : TCLP EXTRACT
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL - FEDERAL WAY UNITS : mg/L

COMPOUND	ATI I.D.	SAMPLE RESULT	DUP RESULT	RPD	SPIKED SAMPLE	SPIKE CONC	% REC
ARSENIC	9101-113-1	<0.005	<0.005	0	0.048	0.050	96
BARIUM	9101-113-1	0.27	0.27	0	2.49	2.50	89
CADMIUM	9101-113-1	<0.01	<0.01	0	0.51	0.50	102
CHROMIUM	9101-113-1	<0.02	<0.02	0	0.83	1.00	83
LEAD	9101-113-1	<0.1	<0.1	0	10.0	10.0	100
MERCURY	9101-113-1	<0.0005	<0.0005	0	0.0030	0.0020	150
SELENIUM	9101-113-1	<0.005	<0.005	0	0.051	0.050	102
SILVER	9101-113-1	<0.02	<0.02	0	0.91	1.00	91

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

Analytical Technologies, Inc.
560 Naches Avenue SW, Suite 101 Renton, WA 98055 (206)228-8335

Chain of Custody

9101-113

DATE 12-13-90 PAGE 1 OF 1

LABORATORY NUMBER: 9012-122

PROJECT MANAGER: Julia Fowler
COMPANY: GeoEngineers, Inc.
ADDRESS: 2405 140th Ave. NE, #105
Bellevue, WA 98005
PHONE: 746-5200 SAMPLED BY: Robert Miyahira

SAMPLE DISPOSAL INSTRUCTIONS
☒ ATI Disposal @ $5.00 each ☐ Return

SAMPLE ID	DATE	TIME	MATRIX	LAB ID
12' WO-1 (N base)	12-13-90	1305	Soil	1
7' WO-2 (N wall)		1310		2
2' WO-3 (N wall)		1310		3
12' WO-4 (W base)		1315		4
12' WO-5 (S base)		1315		5
13' WO-6 (center base)		1320		6
12' WO-7 (E base)		1320		7
WO-8 (composite)	↓	1330	↓	8

ANALYSIS REQUEST

8010 Halogenated Volatiles	8020 Aromatic Volatiles	BETX ONLY	8240 GCMS Volatiles	8270 GCMS BNA	8310 HPLC PNA	8080 Pesticides & PCB's	PCB's ONLY	8140 Phosphate Pesticides	8150 Herbicides	WDOE PAHHH (WAC 173)	418.1 (TPH)	413.2 Grease & Oil	8015 (Modified)	TOC 9060	TOX 9020	% Moisture	EP TOX Metals (8) EP EXT	Priority Pollutant Metals (13)	TCLP ONLY: 8080 Pesticide (4)	TCLP ONLY: 8240 ZH-EXT	TCLP ONLY: 8270	TCLP ONLY: 8150 Herbicides (2)	TCLP ONLY: Metals (8)			NUMBER OF CONTAINERS
											X		X													1
											X		X													1
											X		X													1
											X		X													1
											X		X													1
											X		X													1
											X		X													1
											X		X											X		1

PROJECT INFORMATION
PROJECT NUMBER: 0161-041-B04
PROJECT NAME: Unocal - Federal Way
PURCHASE ORDER NUMBER:
ONGOING PROJECT? YES ☐ NO ☐

SAMPLE RECEIPT
TOTAL NUMBER OF CONTAINERS: 8
COC SEALS/INTACT? Y/N/NA: N/A
RECEIVED GOOD COND./COLD:
RECEIVED VIA: Hand del

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS
TAT: (NORMAL) ☐ 2WKS (RUSH) ☒ 24HR ☐ 48 HRS ☐ 72 HRS ☐ 1 WK
GREATER THAN 24 HR. NOTICE? YES ☐ NO ☐ (LAB USE ONLY)

SPECIAL INSTRUCTIONS: contact Julia Fowler w/results

For Unocal Service Station #6227

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Time: 1430	Signature: Time:	Signature: Time:
Printed Name: Robert Miyahira Date: 12-13-90	Printed Name: Date:	Printed Name: Date:
Company: GeoEngineers, Inc.	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: Time: 14:30	Signature: Time:	Signature: Time:
Printed Name: T. Landreth Date: 12/13/90	Printed Name: Date:	Printed Name: Date:
Company: ATI	Company:	Analytical Technologies, Inc.

ATI Labs: San Diego (619)458-9141 • Phoenix (602)438-1530 • Seattle (206)228-8335 • Pensacola (904)474-1001 DISTRIBUTION: White, Canary - ATI • Pink - ORIGINATOR

B-111

Analytical Technologies, Inc. 560 Naches Avenue, S.W., Suite 101, Renton, WA 98055. (206) 228-8335

ATI I.D. # 9101-003

GeoEngineers

FEB - 1 1991

Routing

January 31, 1991

GeoEngineers, Inc.
2405 140th Avenue N.E.
Suite 105
Bellevue, WA 98005

Attention : Terry Fisk

Project Number : 0161-041-B04

Project Name : Unocal-Federal Way

On January 2, 1991, Analytical Technologies, Inc., received 13 soil samples for analysis. The samples were analyzed with EPA methodology or equivalent methods as specified in the attached analytical schedule. The results, sample cross reference, and quality control data were issued on January 10, 1991.

Several of the samples were reaccessioned for additional tests on January 17, 1991. Additional analyses were also requested on January 24, 1991. Enclosed is the report for the additional analyses.

Mary C. Silva
Senior Project Manager

Frederick W. Grothkopp
Technical Manager

FWG/elf

SAMPLE CROSS REFERENCE SHEET

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL-FEDERAL WAY

ATI #	CLIENT DESCRIPTION	DATE SAMPLED	MATRIX
9101-003-1	SP-1 (GAS STOCKPILE-WEST)	12/31/90	SOIL
9101-003-2	SP-2 (GAS STOCKPILE-EAST)	12/31/90	SOIL
9101-003-3	PL-1 (SOUTH ISLAND-WEST)	12/31/90	SOIL
9101-003-4	PL-2 (SOUTH ISLAND-EAST)	12/31/90	SOIL
9101-003-5	PL-3 (NW ISLAND-NORTH)	12/31/90	SOIL
9101-003-6	PL-4 (NE ISLAND-SOUTH)	12/31/90	SOIL
9101-003-7	PL-5 (NW ISLAND-SOUTH)	12/31/90	SOIL
9101-003-8	G-1 (SOUTH BASE)	12/31/90	SOIL
9101-003-9	G-2 (SW BASE)	12/31/90	SOIL
9101-003-10	G-3 (NORTH BASE)	12/31/90	SOIL
9101-003-11	G-4 (NW BASE)	12/31/90	SOIL
9101-003-12	G-5 (EAST BASE)	12/31/90	SOIL
9101-003-13	WO-8 (NORTH BASE)	12/31/90	SOIL

----- TOTALS -----

MATRIX	# SAMPLES
SOIL	13

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

ANALYTICAL SCHEDULE

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL-FEDERAL WAY

ANALYSIS	TECHNIQUE	REFERENCE	LAB
BETX	GC/PID	EPA 8020	R
FUEL HYDROCARBONS	GC/FID	EPA 8015 MODIFIED	R
PETROLEUM HYDROCARBONS	IR	EPA 418.1	R
ARSENIC	AA/GF	EPA 7060	R
BARIUM	AA/F	EPA 7080	R
CADMIUM	AA/F	EPA 7130	R
CHROMIUM	AA/F	EPA 7190	R
LEAD	AA/F	EPA 7420	R
MERCURY	AA/COLD VAPOR	EPA 7470	R
SELENIUM	AA/GF	EPA 7740	R
SILVER	AA/F	EPA 7760	R
MOISTURE	GRAVIMETRIC	METHOD 7-2.2	R

R = ATI - Renton
SD = ATI - San Diego
T = ATI - Tempe
PNR = ATI - Pensacola
FC = ATI - Fort Collins
SUB = Subcontract

TCLP
METALS ANALYSIS
TCLP EXTRACT

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL-FEDERAL WAY

ELEMENT	DATE PREPARED	DATE ANALYZED
ARSENIC	01/17/91	01/21/91
BARIUM	01/17/91	01/22/91
CADMIUM	01/17/91	01/21/91
CHROMIUM	01/17/91	01/21/91
LEAD	01/17/91	01/21/91
MERCURY	01/17/91	01/22/91
SELENIUM	01/17/91	01/21/91
SILVER	01/17/91	01/21/91

TCLP
METALS RESULTS

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL-FEDERAL WAY

MATRIX : TCLP EXTRACT
UNITS : mg/L

PARAMETER	WO-8 (NORTH BASE) -13	REAGENT BLANK
ARSENIC	<0.005	<0.005
BARIUM	0.50	<0.02
CADMIUM	<0.01	<0.01
CHROMIUM	<0.02	<0.02
LEAD	<0.1	<0.1
MERCURY	<0.0005	<0.0005
SELENIUM	<0.005	<0.005
SILVER	<0.02	<0.02

TCLP
METALS QUALITY CONTROL

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL-FEDERAL WAY

MATRIX : TCLP EXTRACT
UNITS : mg/L

COMPOUND	ATI I.D.	SAMPLE RESULT	DUP RESULT	RPD	SPIKED SAMPLE	SPIKE CONC	% REC
ARSENIC	9101-113-1	<0.005	<0.005	0	0.048	0.050	96
BARIUM	9101-113-1	0.27	0.27	0	2.49	2.50	89
CADMIUM	9101-113-1	<0.01	<0.01	0	0.51	0.50	102
CHROMIUM	9101-113-1	<0.02	<0.02	0	0.83	1.00	83
LEAD	9101-113-1	<0.1	<0.1	0	10.0	10.0	100
MERCURY	9101-113-1	<0.0005	<0.0005	0	0.0030	0.0020	150
SELENIUM	9101-113-1	<0.005	<0.005	0	0.051	0.050	102
SILVER	9101-113-1	<0.02	<0.02	0	0.91	1.00	91

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

METALS ANALYSIS
SOIL

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL-FEDERAL WAY

ELEMENT	DATE PREPARED	DATE ANALYZED
LEAD	01/18/91	01/18/91
LEAD	01/25/91	01/25/91

METALS RESULTS

CLIENT : GEOENGINEERS, INC. MATRIX : SOIL
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL-FEDERAL WAY UNITS : mg/Kg

ATI I.D. #	CLIENT I.D.	LEAD
9101-003-1	SP-1 (GAS STOCKPILE-WEST)	<10
9101-003-8	G-1 (SOUTH BASE)	<10
9101-003-9	G-2 (SW BASE)	<10
9101-003-10	G-3 (NORTH BASE)	770
9101-003-11	G-4 (NW BASE)	460
9101-003-12	G-5 (EAST BASE)	<10
REAGENT BLANK (01/18/91)		<10
REAGENT BLANK (01/25/91)		<10

METALS QUALITY CONTROL

CLIENT : GEOENGINEERS, INC. MATRIX : SOIL
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL-FEDERAL WAY UNITS : mg/Kg

PARAMETER	ATI I.D.	SAMPLE RESULT	DUP RESULT	RPD	SPIKED SAMPLE	SPIKE CONC	% REC
LEAD	9101-092-9	<10	<10	0	250	260	96
LEAD	9101-172-2	<10	<10	0	280	280	100

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

AnalyticalTechnologies, Inc.
560 Naches Avenue SW, Suite 101 Renton, WA 98055 (206)228-8335

Chain of Custody

DATE 12-31-90 ~~12-18-90~~ PAGE 1 OF 2

LABORATORY NUMBER: 9101-003

PROJECT MANAGER: Terry Fisk
COMPANY: GeoEngineers, Inc.
ADDRESS: 2405 140th Ave. NE, #105
Bellevue, WA 98005
PHONE: 746-5200 SAMPLED BY: Robert N. Miyahira

SAMPLE DISPOSAL INSTRUCTIONS

☒ ATI Disposal @ $5.00 each ☐ Return

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	8010 Halogenated Volatiles	8020 Aromatic Volatiles	BETX ONLY	8240 GCMS Volatiles	8270 GCMS BNA	8310 HPLC PNA	8080 Pesticides & PCB's	PCB's ONLY	8140 Phosphate Pesticides	8150 Herbicides	WDOE PAH/HH (WAC 173)	418.1 (TPH)	413.2 Grease & Oil	8015 (Modified)	TOC 9060	TOX 9020	% Moisture	EP TOX Metals (8) EP EXT	Priority Pollutant Metals (13)	TCLP ONLY: 8080 Pesticide (4)	8240 ZH-EXT	8270	8150 Herbicides (2)	Metals (8)	Total Pb 3rd Extr.		NUMBER OF CONTAINERS
composite SP-1 (gas stockpile-west)	12-31-90	1105	soil	-1			X											X											X		1
composite SP-2 (gas stockpile-east)		1110		-2			X											X													1
3' PL-1 (south island-west)		1355		-3			X											X													1
2½' PL-2 (south island-east)		1400		-4			X											X													1
3' PL-3 (NW island-north)		1435		-5			X											X													1
3' PL-4 (NE island-south)		1445		-6			X											X													1
2½' PL-5 (NW island-south)		1505		-7			X											X													1
13' G-1 (south base)		1420		-8			X											X											✓	✓ Pb	1
14' G-2 (SW base)		1430		-9			X											X											X		1
14' G-3 (north base)		1450		-10			X											X											X		1
13' G-4 (NW base)		1500		-11			X											X											✓	✓ Pb	1
13' G-5 (east base)	↓	1520	↓	-12			X											X											✓	✓ Pb	1

PROJECT INFORMATION

PROJECT NUMBER: 0161-041-304
PROJECT NAME: Unocal-Federal Way
PURCHASE ORDER NUMBER:
ONGOING PROJECT? YES ☒ NO ☐

SAMPLE RECEIPT

TOTAL NUMBER OF CONTAINERS: 13
COC SEALS/INTACT? Y/N/NA *: Y
RECEIVED GOOD COND./COLD: 4
RECEIVED VIA: Courier

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

TAT: (NORMAL) ☐ 2WKS (RUSH) ☒ 24HR ☐ 48 HRS ☐ 72 HRS ☐ 1 WK
GREATER THAN 24 HR. NOTICE? YES ☐ NO ☐ (LAB USE ONLY)

SPECIAL INSTRUCTIONS: Contact Terry Fisk with results

For Unocal Service Station *6227

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Robert Miyahira Time: 1730	Signature: Time:	Signature: Time:
Printed Name: Robert Miyahira Date: 12-31-90	Printed Name: Date:	Printed Name: Date:
Company: GeoEngineers, Inc.	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: D.L. Thomas Time: 10:45	Signature: Time:	Signature: Time:
Printed Name: D.L. Thomas Date: 1-2-91	Printed Name: Date:	Printed Name: Date:
Company: ATI	Company:	Analytical Technologies, Inc.

ATI Labs: San Diego (619)458-9141 • Phoenix (602)438-1530 • Seattle (206)228-8335 • Pensacola (904)474-1001 DISTRIBUTION: White, Canary - ATI • Pink - ORIGINATOR

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Analytical Technologies, Inc.
560 Naches Avenue SW, Suite 101 Renton, WA 98055 (206)228-8335

DATE 12-31-90 PAGE 2 OF 2

Chain of Custody

LABORATORY NUMBER: 9101-003

PROJECT MANAGER: Terry Fisk
COMPANY: GeoEngineers, Inc.
ADDRESS: 2405 140th Ave. NE, #105
Bellevue, WA 98005
PHONE: 746-5200 SAMPLED BY: Robert N. Miyahira

SAMPLE DISPOSAL INSTRUCTIONS

☒ ATI Disposal @ $5.00 each ☐ Return

SAMPLE ID	DATE	TIME	MATRIX	LAB ID
12½' WD-8 (north base)	12-31-90	1530	soil	-13

ANALYSIS REQUEST

8010 Halogenated Volatiles	8020 Aromatic Volatiles	BETX ONLY	8240 GCMS Volatiles	8270 GCMS BNA	8310 HPLC PNA	8080 Pesticides & PCB's	PCB's ONLY	8140 Phosphate Pesticides	8150 Herbicides	WDOE PAH/HH (WAC 173)	418.1 (TPH)	413.2 Grease & Oil	8015 (Modified)	TOC 9060	TOX 9020	% Moisture	EP TOX Metals (8) EP EXT	Priority Pollutant Metals (13)	TCLP ONLY: 8080 Pesticide (4)	TCLP ONLY: 8240 ZH-EXT	TCLP ONLY: 8270	TCLP ONLY: 8150 Herbicides (2)	TCLP ONLY: Metals (8)			NUMBER OF CONTAINERS
											X		X										X			1
																							Pb			
																							Ni Pb			

PROJECT INFORMATION

PROJECT NUMBER: 0161-041-B04
PROJECT NAME: Unocal - Federal Way
PURCHASE ORDER NUMBER:
ONGOING PROJECT? YES ☒ NO ☐

SAMPLE RECEIPT

TOTAL NUMBER OF CONTAINERS	13
COC SEALS/INTACT? Y/N/NA	Y/ NA
RECEIVED GOOD COND./COLD	4
RECEIVED VIA: Courier	4

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

TAT: (NORMAL) ☐ 2WKS | (RUSH) ☒ 24HR ☐ 48 HRS ☐ 72 HRS ☐ 1 WK
GREATER THAN 24 HR. NOTICE? YES ☐ NO ☐ (LAB USE ONLY)

SPECIAL INSTRUCTIONS: contact Terry Fisk with results

For Unocal Service Station #6227

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Time: 1730	Signature: Time:	Signature: Time:
Printed Name: Robert Miyahira Date: 12-31-90	Printed Name: Date:	Printed Name: Date:
Company: GeoEngineers, Inc	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: D L Thomas Time: 10:45	Signature: Time:	Signature: Time:
Printed Name: D L Thomas Date: 1-2-91	Printed Name: Date:	Printed Name: Date:
Company: ATI	Company:	Analytical Technologies, Inc.

ATI Labs: San Diego (619)458-9141 • Phoenix (602)438-1530 • Seattle (206)228-8335 • Pensacola (904)474-1001 DISTRIBUTION: White, Canary - ATI • Pink - ORIGINATOR

B - 122

SOUND ANALYTICAL SERVICES, INC.

SPECIALIZING IN INDUSTRIAL & TOXIC WASTE ANALYSIS
4813 PACIFIC HIGHWAY EAST, TACOMA, WASHINGTON 98424 - TELEPHONE (206)922-2310 - FAX (206)922-5047

Report To: GeoEngineers, Inc. Date: February 4, 1991

Report On: Analysis of Soil Lab No.: 15745

GeoEngineers
FEB - 6 1991
Routing

IDENTIFICATION:
Samples Received on 01-31-91
Project: Unocal #6227 Federal Way

ANALYSIS:

Lab Sample No.	Client ID	Total Lead, ppm
1	GSP-5	< 1.2
2	GSP-6	< 1.2
3	GSP-7	2.8
4	G-6	14.8
5	G-7	23.4
6	G-8	11.0
7	GSP-8	44.2

Lab Sample No. 6 Client ID: G-8

	Concentration, ppm
Benzene	< 0.05
Toluene	< 0.05
Ethyl Benzene	< 0.05
Xylenes	< 0.05

BTEX by EPA SW-846
Method 8020

Total Petroleum Fuel Hydrocarbons by EPA SW-846 Modified Method 8015: < 10

Note - BTEX and TPH 8015 results reported on as as received, wet basis.

SOUND ANALYTICAL SERVICES

STAN P. PALMQUIST

This report is issued solely for the use of the person or company to whom it is addressed. This laboratory accepts responsibility only for the due performance of analysis in accordance with industry acceptable practice. In no event shall Sound Analytical Services, Inc. or its employees be responsible for consequential or special damages in any kind or in any amount.

SOUND ANALYTICAL SERVICES, INC.

SPECIALIZING IN INDUSTRIAL & TOXIC WASTE ANALYSIS

4813 PACIFIC HIGHWAY EAST, TACOMA, WASHINGTON 98424 - TELEPHONE (206)922-2310 - FAX (206)922-5047

QUALITY CONTROL REPORT

DUPLICATES

Lab No: 15745 (1) Client ID: GSP-5
Date: February 1, 1991 Matrix: Soil
Client: GeoEngineers, Inc. Units: ppm

Compound	Sample(S)	Duplicate(D)	RPD*
Total Lead	< 1.2	< 1.2	---

Lab No: 15745 (6) Client ID: G-8
Date: February 1, 1991 Matrix: Soil
Client: GeoEngineers, Inc. Units: ppm

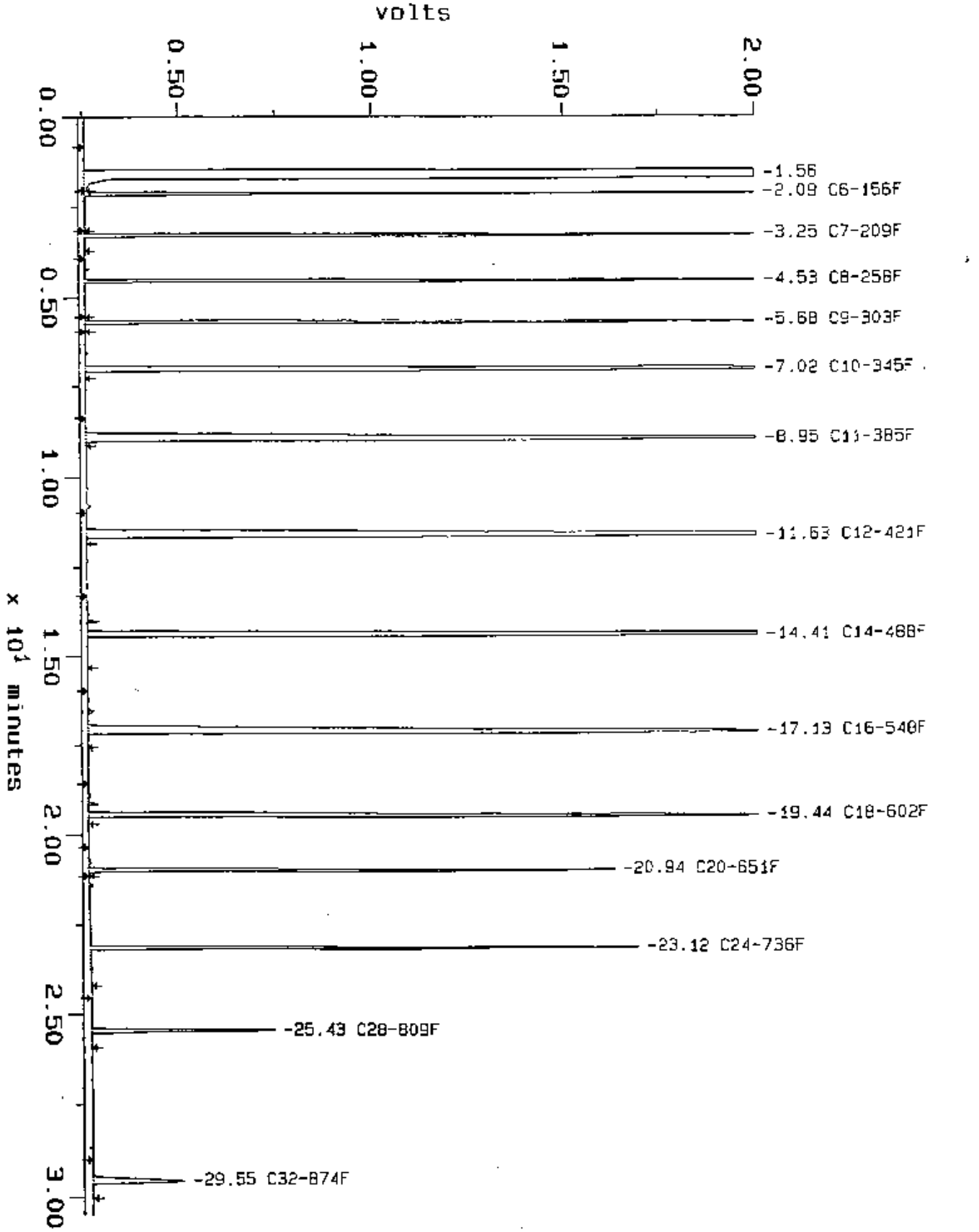
Compound	Sample(S)	Duplicate(D)	RPD*
Benzene	< 0.05	< 0.05	---
Toluene	< 0.05	< 0.05	---
Ethyl Benzene	< 0.05	< 0.05	---
Xylenes	< 0.05	< 0.05	---
Total Petroleum Hydrocarbons	< 10	< 10	---

*RPD = relative percent difference
= [(S - D) / ((S + D) / 2)] x 100

Sample: CALB STD
Acquired: 07-SEP-90 14:50

Channel: detector :
Method: C:\MAX\DATA4\80153

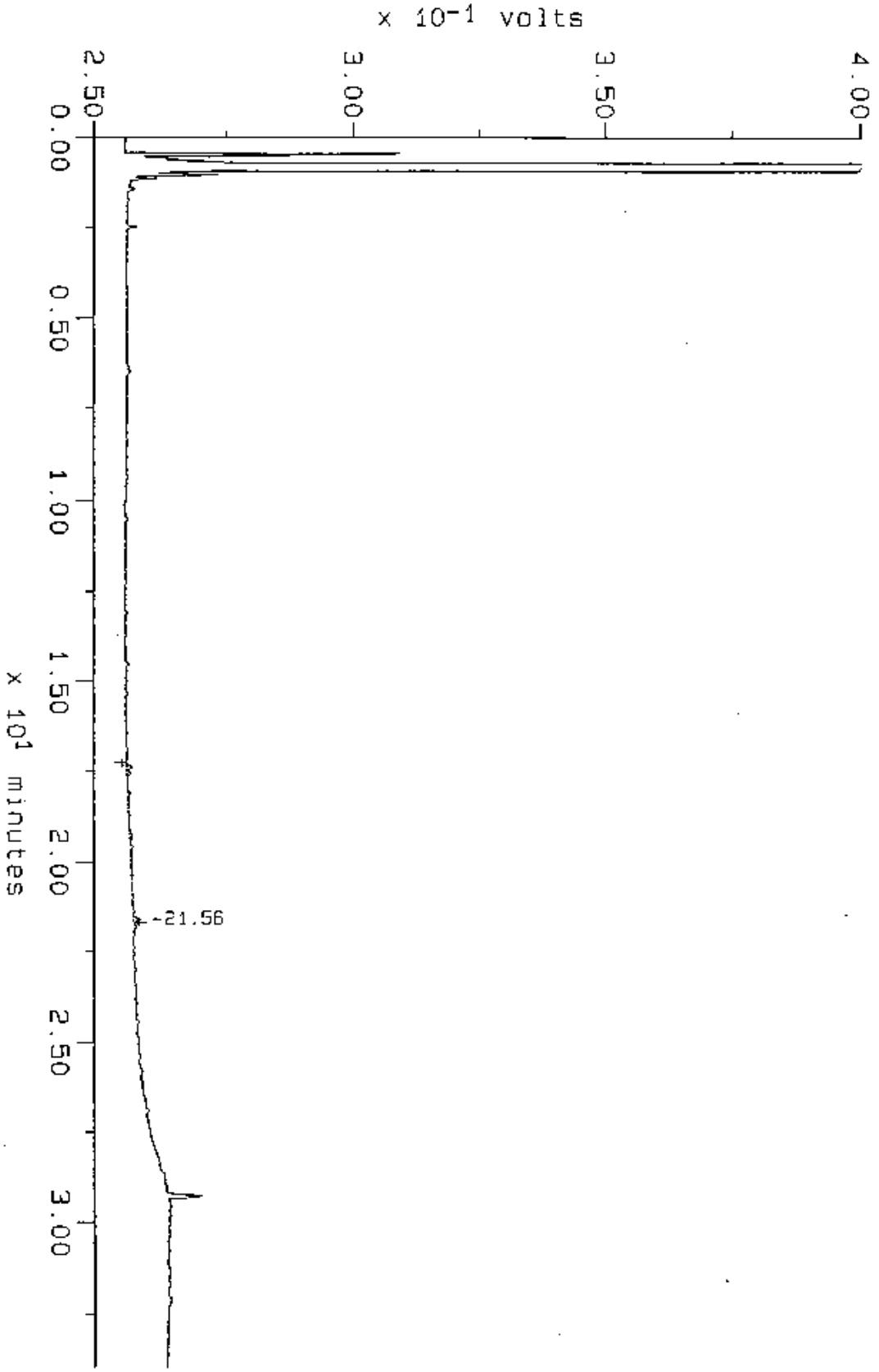
Filename: CS5
Operator:



Sample: BLANK
Acquired: 18-JAN-91 19:27

Channel: detector 1
Method: C:\MAX\DATA4\80150

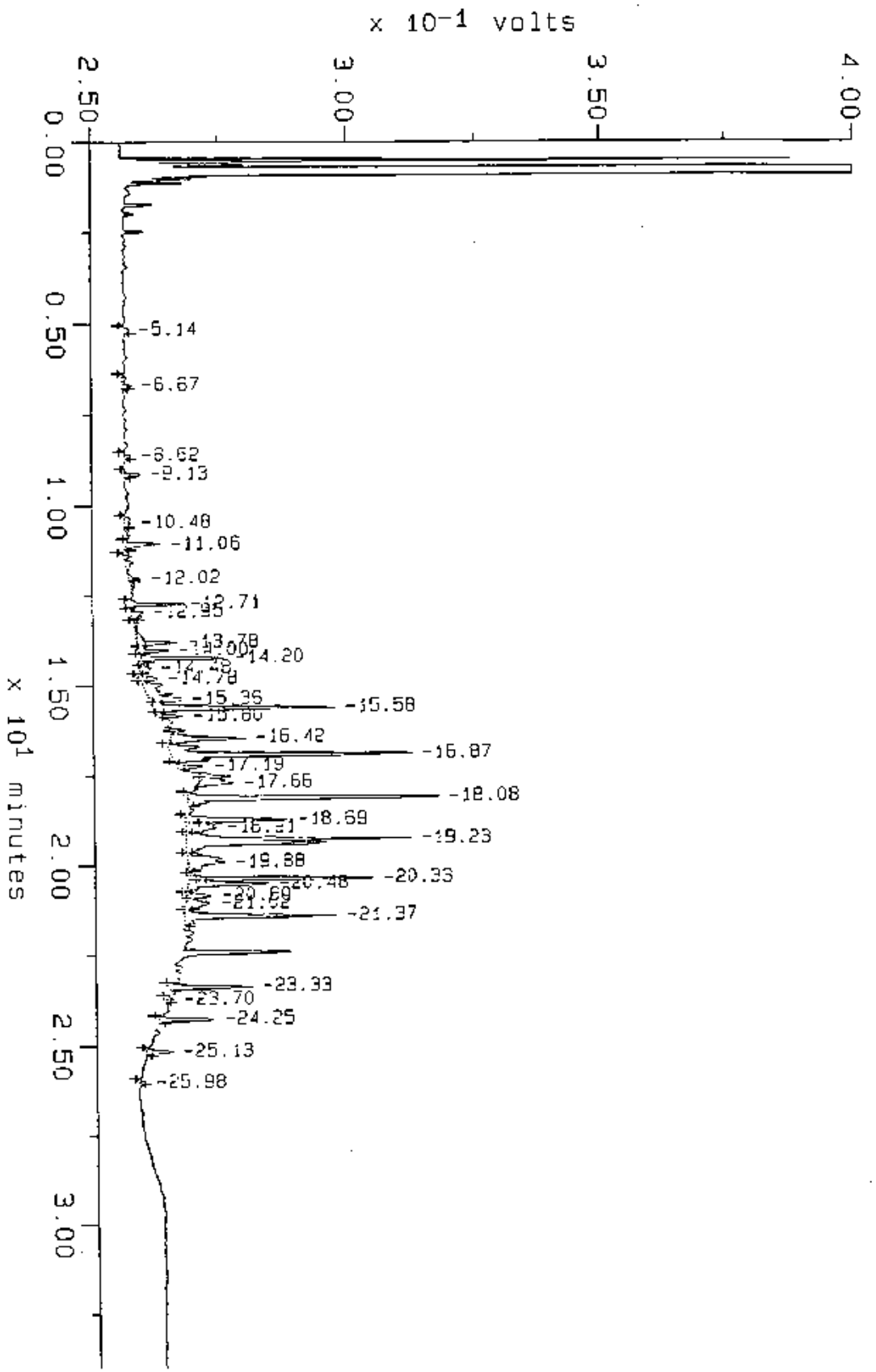
Filename: BL1
Operator:



Sample: 1000IESEL
Acquired: 19-JAN-91 1:47

Channel: detector 1
Method: C:\MAX\DATA4\8015D

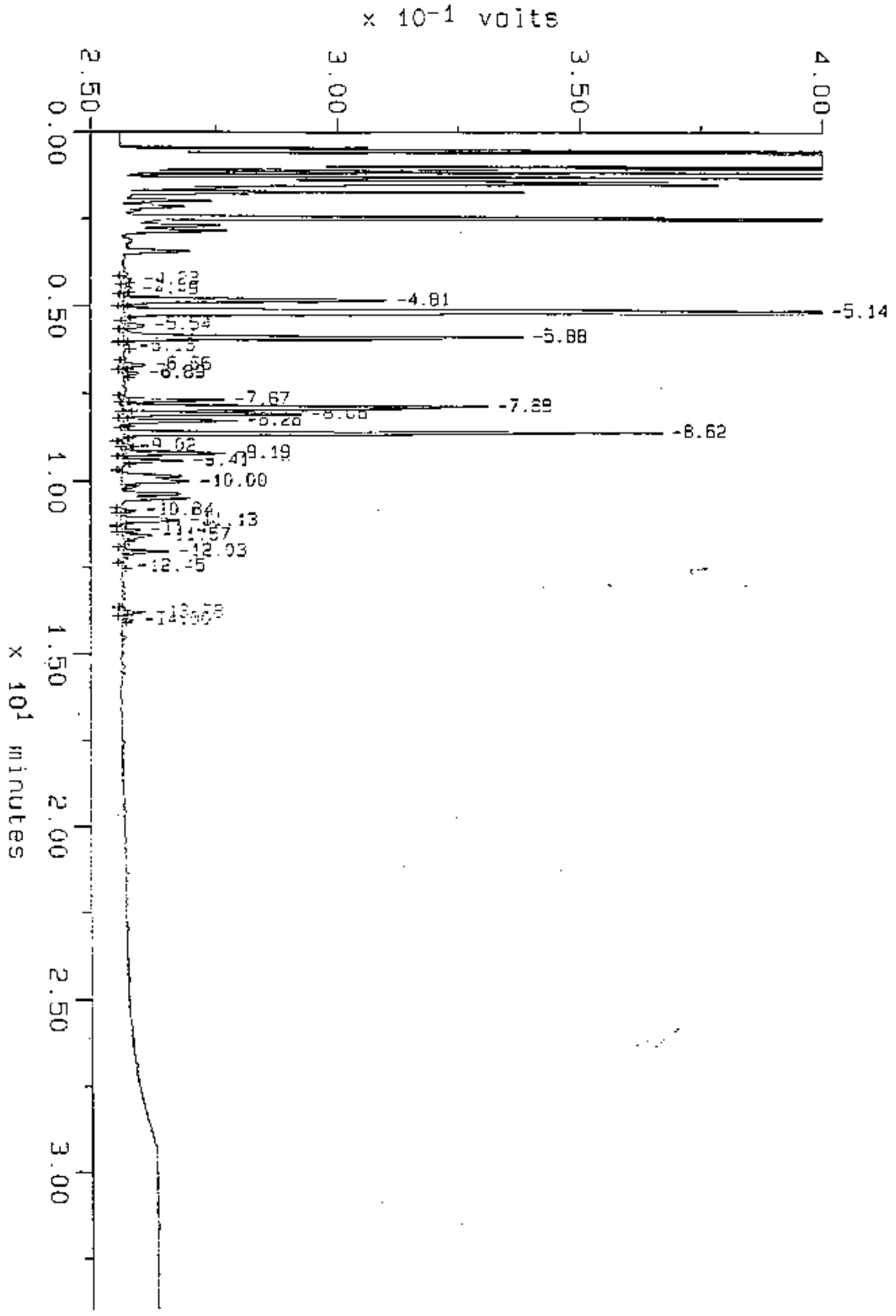
Filename: 1000IE7
Operator:



Sample: 100GAS
Acquired: 18-JAN-91 20:10

Channel: detector 1
Method: C:\MAX\DATA4\8015D

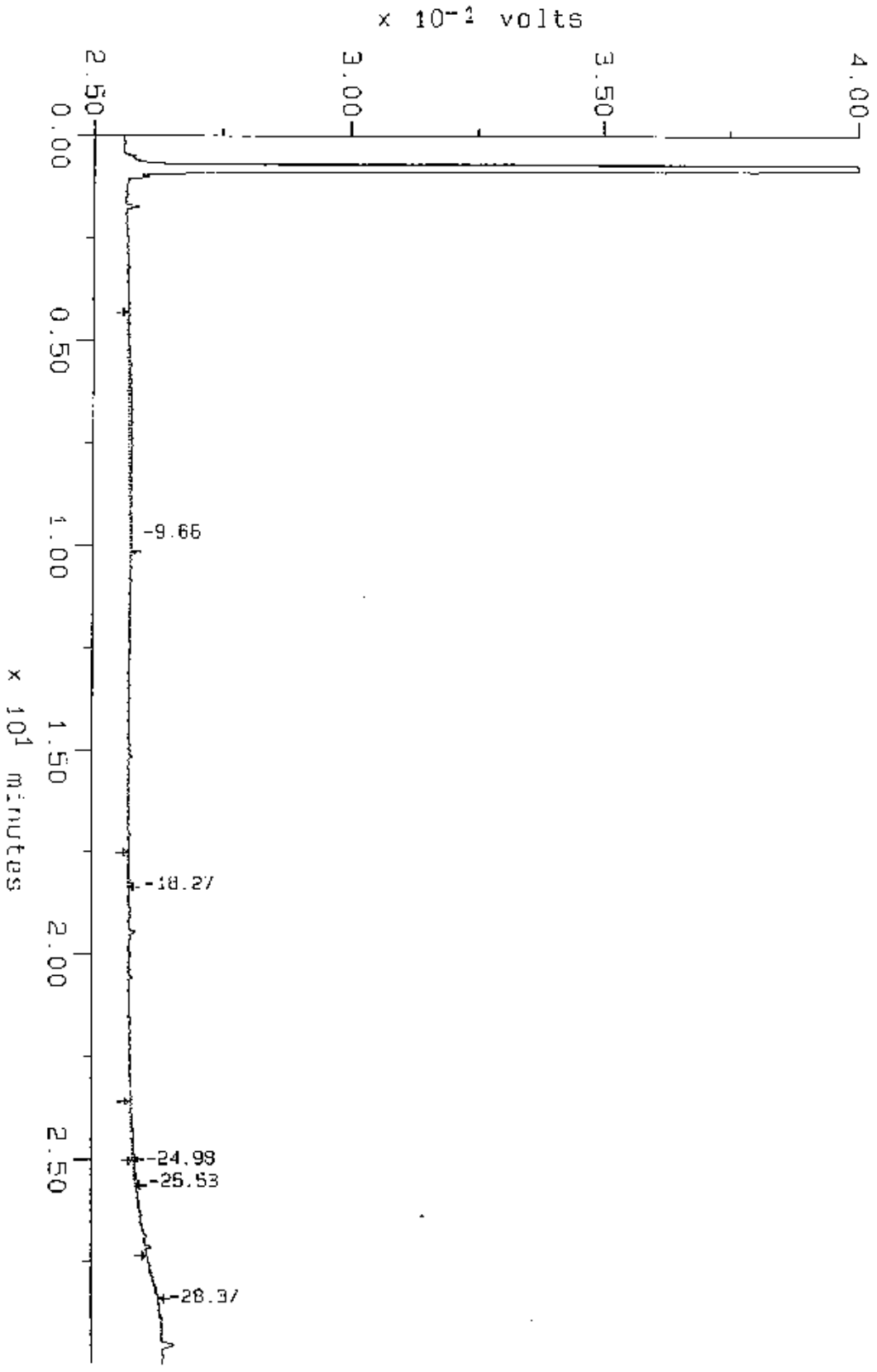
Filename: 100GAS7
Operator:



Sample: 15745-6
Acquired: 31-JAN-91 22:54
Dilution: 1 : 10.000

Channel: detector 1
Method: C:\MAX\DATA4\8015
Amount: 1.988

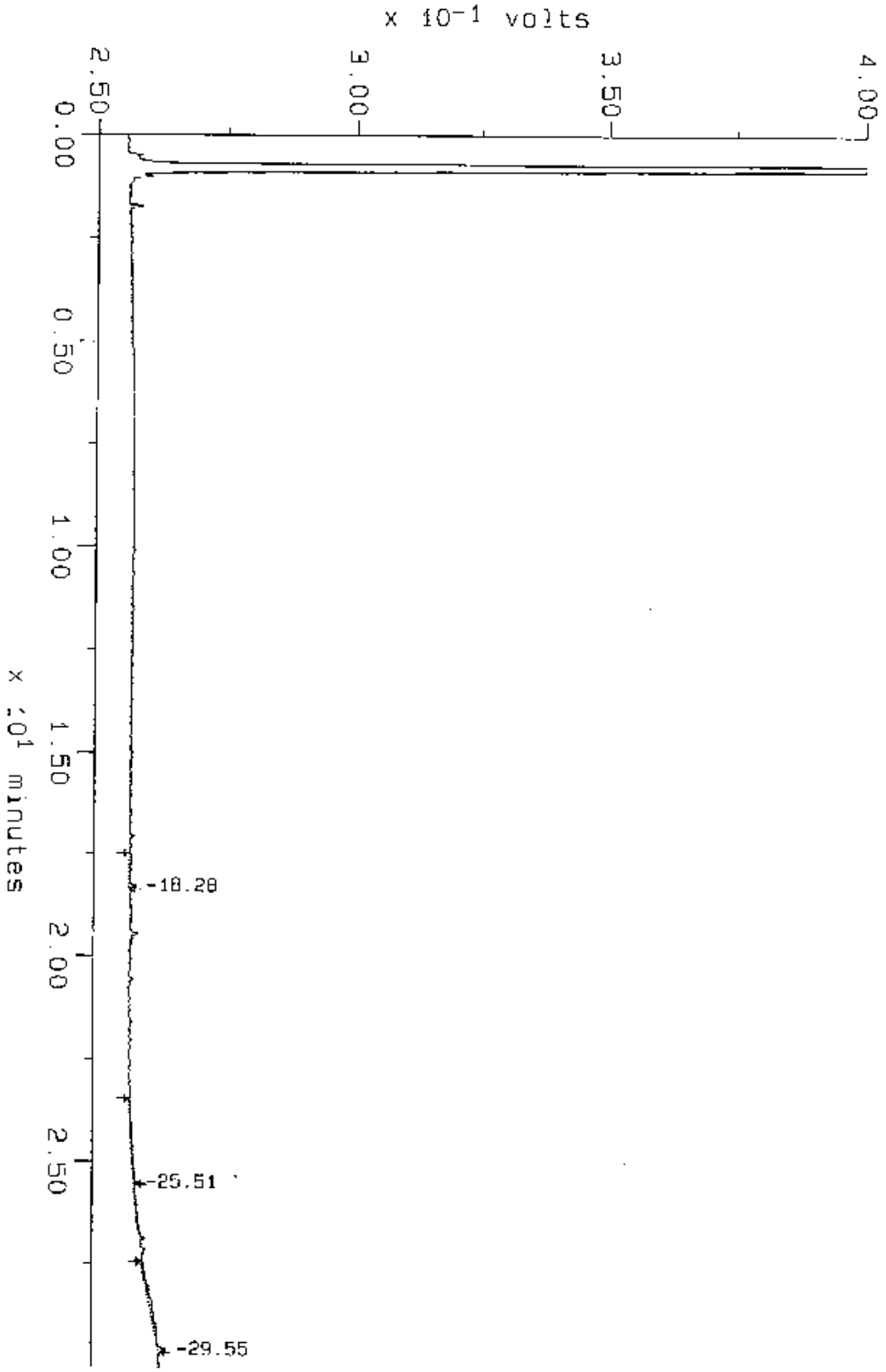
Filename: 15745-6
Operator:



Sample: 15745-6D
Acquired: 31-JAN-91 23:31
Dilution: 1 : 10.000

Channel: detector 1
Method: C:\MAX\DATA4\B015
Amount: 2.501

Filename: 15745-6D
Operator:



Analytical Technologies, Inc. 560 Naches Avenue, S.W., Suite 101, Renton, WA 98055, (206) 228-8335

ATI I.D. # 9101-172

GeoEngineers
FEB 07 1991
Routing
File

February 5, 1991

GeoEngineers, Inc.
2405 140th Avenue N.E.
Suite 105
Bellevue, WA 98005

Attention : Terry Fisk

Project Number : 0161-041-B04

Project Name : Unocal Federal Way

On January 10, 1991, Analytical Technologies, Inc., received eight soil samples for analysis. The samples were analyzed with EPA methodology or equivalent methods as specified in the attached analytical schedule. The results, sample cross reference, and quality control data were issued under ATI accession number 9101-053 on January 16, 1991.

Two samples were reaccessioned for additional tests on January 24, 1991. Enclosed is the report for the additional analyses.

Mary C. Silva
Senior Project Manager

Frederick W. Grothkopp
Technical Manager

FWG/elf

SAMPLE CROSS REFERENCE SHEET

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL FEDERAL WAY

ATI #	CLIENT DESCRIPTION	DATE SAMPLED	MATRIX
9101-172-1	910109-PL-6	01/09/91	SOIL
9101-172-2	910109-G-SP-B	01/09/91	SOIL

----- TOTALS -----

MATRIX	# SAMPLES
SOIL	2

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

ANALYTICAL SCHEDULE

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL FEDERAL WAY

ANALYSIS	TECHNIQUE	REFERENCE	LAB
LEAD	AA/F	EPA 7420	R
MOISTURE	GRAVIMETRIC	METHOD 7-2.2	R

R = ATI - Renton
SD = ATI - San Diego
T = ATI - Tempe
PNR = ATI - Pensacola
FC = ATI - Fort Collins
SUB = Subcontract

METALS ANALYSIS
SOIL

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL FEDERAL WAY

ELEMENT	DATE PREPARED	DATE ANALYZED
LEAD	01/25/91	01/25/91

METALS RESULTS

CLIENT : GEOENGINEERS, INC. MATRIX : SOIL
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL FEDERAL WAY UNITS : mg/Kg

ATI I.D. #	CLIENT I.D.	LEAD
9101-172-1	910109-PL-6	<10
9101-172-2	910109-G-SP-B	<10
REAGENT BLANK	-	<10

METALS QUALITY CONTROL

CLIENT : GEOENGINEERS, INC. MATRIX : SOIL
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL FEDERAL WAY UNITS : mg/Kg

PARAMETER	ATI I.D.	SAMPLE RESULT	DUP RESULT	RPD	SPIKED SAMPLE	SPIKE CONC	% REC
LEAD	9101-172-2	<10	<10	0	280	280	100

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GENERAL CHEMISTRY
SOIL

CLIENT : GEOENGINEERS, INC.
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL FEDERAL WAY

ANALYSIS	DATE ANALYZED
MOISTURE	01/10/91

GENERAL CHEMISTRY RESULTS

CLIENT : GEOENGINEERS, INC. MATRIX : SOIL
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL FEDERAL WAY UNITS : %

ATI I.D.#	CLIENT I.D.	MOISTURE
9101-172-1	910109-PL-6	13
9101-172-2	910109-G-SP-B	11

GENERAL CHEMISTRY QUALITY CONTROL

CLIENT : GEOENGINEERS, INC. MATRIX : SOIL
PROJECT # : 0161-041-B04
PROJECT NAME : UNOCAL FEDERAL WAY UNITS : %

PARAMETER	ATI I.D.	SAMPLE RESULT	DUP RESULT	RPD	SPIKED RESULT	SPIKE ADDED	% REC
MOISTURE	9101-059-2	16	17	6	N/A	N/A	N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

Analytical Technologies, Inc.
550 Naches Avenue SW, Suite 101 Renton, WA 98055 (206)228-8335

Chain of Custody

9101-172

DATE 1/9/91 PAGE ___ OF ___

LABORATORY NUMBER: 9101-053

PROJECT MANAGER: TERRY FISK
COMPANY: GEO ENGINEERS
ADDRESS: 2405 140TH AVE NE STE 105 BELLEVUE, WA 98005
PHONE: 746-5200 SAMPLED BY: DEH

SAMPLE DISPOSAL INSTRUCTIONS
[X] ATI Disposal @ $5.00 each [ ] Return

already charged

9101-172

SAMPLE ID	DATE	TIME	MATRIX	LAB ID
910109-PL-6	1/9/91	1250	SOIL	1
910109-PL-7		1235	SOIL	2
910109-PL-8		1240	SOIL	3
910109-PL-SP		1300	SOIL	4
910109-VW-1		1330	SOIL	5
910109-VW-2		1600	SOIL	6
910109-G-SP-A		1400	SOIL	7
910109-G-SP-B	✓	1435	SOIL	8

ANALYSIS REQUEST

8010 Halogenated Volatiles	8020 Aromatic Volatiles	BETX ONLY	8240 GCMS Volatiles	8270 GCMS BNA	8310 HPLC PNA	8080 Pesticides & PCB's	PCB's ONLY	8140 Phosphate Pesticides	8150 Herbicides	WDOE PAH/HH (WAC 173)	418.1 (TPH)	413.2 Grease & Oil	8015 (Modified)	TOC 9060	TOX 9020	% Moisture	EP TOX Metals (8) EP EXT	Priority Pollutant Metals (13)	TCLP ONLY: 8080 Pesticide (4)	8240 ZH-EXT	8270	8150 Herbicides (2)	Metals (8) 9101-172	TOTAL LEAD		NUMBER OF CONTAINERS
		X											X											X	X	1
		X											X													1
		X											X													1
		X											X													1
											X		X													1
											X		X													1
		X											X													1
		X											X											X		1

PROJECT INFORMATION
PROJECT NUMBER: 0161-041-B04
PROJECT NAME: UNOCAL FEDERAL WAY
PURCHASE ORDER NUMBER:
ONGOING PROJECT? YES [X] NO [ ]

SAMPLE RECEIPT
TOTAL NUMBER OF CONTAINERS: 8
COC SEALS/INTACT? Y/N/NA: N/NA
RECEIVED GOOD COND./COLD: 4/4
RECEIVED VIA: Hand Del

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS
TAT: (NORMAL) [ ] 2WKS (RUSH) [X] 24HR [ ] 48 HRS [ ] 72 HRS [ ] 1 WK
GREATER THAN 24 HR. NOTICE? YES [X] NO [ ] (LAB USE ONLY)

SPECIAL INSTRUCTIONS: SS#6227
Send results to Terry Fisk @ GEI

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Donald Hanson Time: 1615	Signature: Time:	Signature: Time:
Printed Name: DONALD HANSON Date: 1/9/91	Printed Name: Date:	Printed Name: Date:
Company: GEI	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: Time:	Signature: Time:	Signature: Time: 1005
Printed Name: Date:	Printed Name: Date:	Printed Name: V. PENNICK Date: 1/10/91
Company:	Company:	Analytical Technologies, Inc.

B - 140

UNOCAL #6227	1622/8504
FEDERAL WAY	1989-2006
LUST 1622	29625 PACIFIS HWY S
B/C 0000006638	VCP NW1534
FS 79813564	NFA 1/27/06

Unocal #6227
Federal Way

Washington State Department of Ecology
Toxics Cleanup Program

Voluntary Cleanup Program Site Log

Site Name: Federal Way Deli Mart **FS ID#: 79813564**

SIC: J1C54 **Month(s):** 1 **Year: 2006**

Site Mgr. Name: Jing Liu **VCP#: NW1534**

Date	Hours	Activity Description
1/18/2006	2.5	Site visit and prepare opinion letter

DATA ON THIS FORM IS IN AGREEMENT WITH EMPLOYEE TIMESHEETS

EMPLOYEE'S SIGNATURE: DATE: 1/20/06

SUPERVISOR'S SIGNATURE: DATE: 1/26/06

Washington State Department of Ecology
Toxics Cleanup Program

Voluntary Cleanup Program Site Log

Site Name: Federal Way Deli Mart **FS ID#: 79813564**

SIC: J1C54 **Month(s):** 12 **Year: 2005**

Site Mgr. Name: Jing Liu **VCP#: NW1534**

Date	Hours	Activity Description
12/21/05	2.5	1) Review application and associated reports 2) Sent courtesy email to consultant, schedule site visit.
12/29/2005	2	Prepare site summary

DATA ON THIS FORM IS IN AGREEMENT WITH EMPLOYEE TIMESHEETS

EMPLOYEE'S SIGNATURE: DATE: 1/20/06

SUPERVISOR'S SIGNATURE: DATE: 1/26/06

Voluntary Cleanup Program – NWRO

From: Dale R. Myers
VCP Administrator, NWRO

Subject: VCP Cleanup or Time Accounting Review

The attached files were submitted for review of an independent remedial action under the Voluntary Cleanup Program. The initial deposit of $500 was received.

SIC: ___ Non-LUST **J1C54** SITE ID NW1534
V LUST **J1C59** **"90-day" screening** date is 03-06-06
___ Sediments **J1J40** **Site visit is an Initial Investigation:** Yes No

___ Site is listed on Next edition Confirmed & Suspected Contaminated Sites List (CSCS)
___ Site would be listed NO Hazardous Sites List (HSL)
YES X LUST database

Please remember to:

1. **Keep track of you time** on a copy of the attached VCP Site Log. An Excel version of this is in t:\tcp\vcp\GEN-VCP\VCP-LOG.xls or can be obtained from Pat Melone. Please remember to **total the "Hours"** column and to **sign and date** all logs. **KEEP THE SITE LOG WITH THE FILE.** Do **NOT** TURN THEM IN WITH YOUR TIME SHEETS.

2. **Hold on to final determination letters** ("NFA" or "Further Action Required") until: a) accumulated fees have been collected or b) any Restrictive Covenants have been filed.

3. **Check the "Release Information" on pages 3 & 4 of the Site *Summary* form.** Please check to see that the information entered is a fair approximation of the cleanup. If you make changes or update the data, please use red (green, purple, orange, etc.) ink so data entry folks can spot any changes quickly.

4. **Complete the Environmental Indicators form** (attached). The PREFERRED ALTERNATIVE is to use the Excel version in t:\tcp\vcp\review\forms\ENVID.XLS and e-mail it to me. The guidelines for completing the form are in ENV_IND.DOC.

5. **Return the entire file to me when done.** Remove all post-it notes and markers from files. Include site **logs**, a signed copy of the **determination letter** (NFA or Further Action required), a copy of the recorded **restrictive covenant**, and all the files. Please **note the date you went on site** by highlighting the date on your site log.

Given the increasing frequency with which independent remedial action sites are the subject of litigation, with Ecology's decisions serving as the basis for some of it, I strongly suggest that you have your determination and correspondence peer-reviewed prior to sending it and that you document the basis of your decision with a brief memorandum to file.

If you have any questions, please call me at 425-649-4446. If you have any suggestions regarding the process or paperwork that you think would make things easier, please let me hear them. Thanks for your help.

Voluntary Cleanup Program

Washington State Department of Ecology – Toxics Cleanup Program

APPLICATION TO REQUEST ASSISTANCE

This application is for individuals requesting assistance from the Voluntary Cleanup Program to plan, conduct, or evaluate an independent cleanup. The applicant may be a site owner, former site owner, site operator, or consultant on behalf of the owner or operator.

PLEASE ANSWER THE FOLLOWING QUESTIONS TO THE BEST OF YOUR KNOWLEDGE.

Have you discussed this site with an Ecology representative? Yes

If yes, what is that person's name? Joseph Hickey

What is the approximate date? April 1991

Has Ecology already received reports or records pertaining to this site? Yes

If yes, what do they pertain to? UST Removal, Subsurface Investigation and Remedial action

Is this a leaking underground storage tank site? Yes

Is this site a Brownsfield? No

(Brownfields are properties that are abandoned or underused because of environmental contamination from past industrial or commercial practices.)

PLEASE DETERMINE IF PERMITS ARE REQUIRED.

Local, state, and/or federal permits may be required for cleanup activities at your site. To determine if a permit(s) is required for your cleanup action, please check with Ecology's Permit Assistance Center at **1-800-917-0043.**

APPLICANT COMPLETES THIS SECTION (NOTE: THE APPLICANT IS RESPONSIBLE FOR ALL BILLINGS.)

Applicant Name Mr. Han C/O Business Loan Express LLC DFS # 9736 Phone Cynthia Zais 800 225 1776

Applicant Address 700 Pearl Street Suite 1850

City Dallas State TX Zip Code 75201

Site Name Federal Way Deli Mart Alternate Name UNOCAL Station # 6227

Site Address 29625 Pacific Highway South

City Federal Way State WA Zip Code 98003 County King

Site Owner Name Rai and Tiwana LLC

Site Owner Address 29625 Pacific Highway South Phone

City Federal Way State WA Zip Code 98003

I, Kevin M. Jamesz *, request the assistance of the Department of Ecology. With this application, I have enclosed an initial deposit of $500. I understand this payment is the equivalent of approximately (5) hours of staff review on the cleanup of my contaminated site. If total charges exceed $500, I will be billed and will pay the remaining balance. Any excess payments will be refunded to me.*

K. M. Jamesz 11/9/05

Signature of Applicant Business Loan Express, LLC. Date

Ecy 020-74 (revised 06/04)

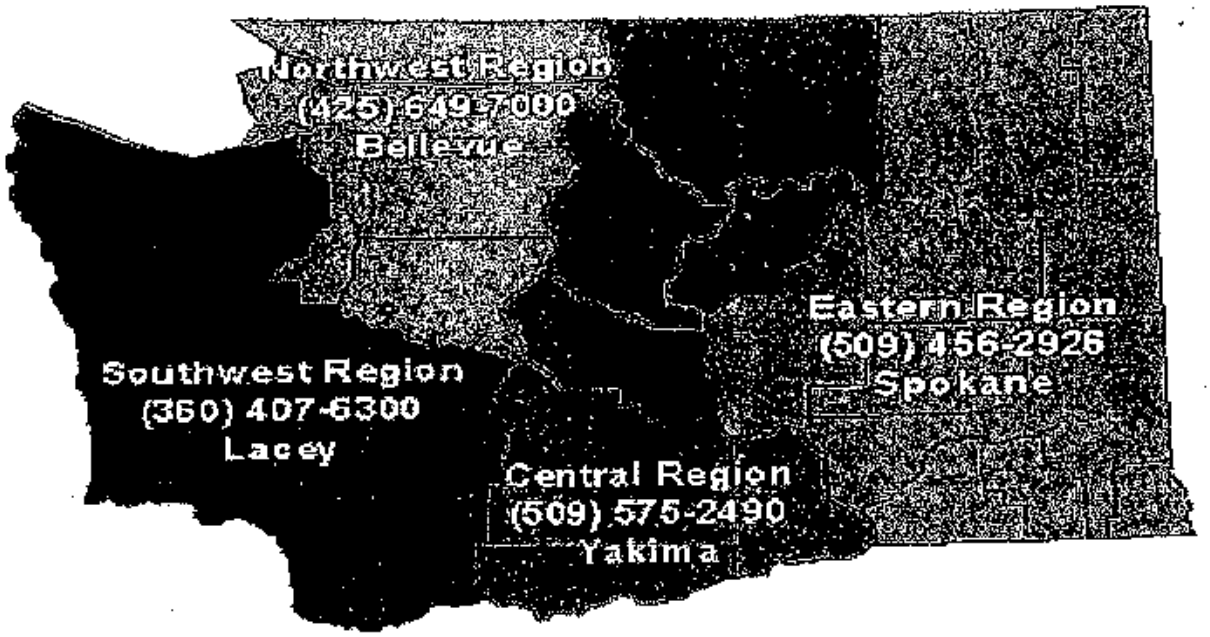
TCP ID # NW1534

Please submit the following information, along with your signed application form, to the appropriate Ecology office:

1. Site Summary form (Ecology Publication #020-73)
2. A check or money order for $500 made out to the "Department of Ecology"
3. If applicable, a "Terrestrial Ecological Evaluation Exclusion" form
4. Any other existing reports pertaining to this site

WHERE TO SUBMIT YOUR FORMS, REPORTS & FEE

- Please submit your forms and reports to the regional office in which the site resides.



REGION

- Central Regional Office, Attn: Frosti Smith, 15 W. Yakima Ave., Suite 200, Yakima WA 98902
- Eastern Regional Office, Attn: Patti Carter, N. 4601 Monroe, Spokane WA 99205-1295
- Northwest Regional Office, Attn: Dale Myers, 3190 160th Ave. SE, Bellevue WA 98008-5452
- Southwest Regional Office, , Attn: Chuck Cline, PO Box 47775, Olympia WA 98504-7775

Please note: If your site is part of a major pulp mill, paper mill, aluminum smelter, or oil refinery, please submit your information to: Paul Skyllingstad, Department of Ecology – Industrial Section, PO Box 47706, Olympia WA 98504-7706, (360) 407-6949.

For office use only

Date:	Hours:	Rate:	Staff Name:
Date:	Hours:	Rate:	Staff Name:
Date:	Hours:	Rate:	Staff Name:

Receipts

Amount: 500 e Date Paid: 12-5-05 Receipt #:

For Fiscal use only

173-02-94-005000-5000 30-40

LUST/NON-LUST: LUST – 30 NON-LUST – 20

OFFICE: NWRO – 40 SWRO – 50 ERO – 60 CRO – 70 IND – 80 HQ – 90

To receive this document in alternative format, please contact the Toxics Cleanup Program at (360) 407-7170 or 711 or 1-800 833-6388 (TTY)

..ashington State Department of Ecolo_,
Toxics Cleanup Program

Voluntary Cleanup Program Site Log

Site Name: FS ID#:

SIC: Non-LUST J1C54
LUST J1C59
Sediments J1J40

Month(s): Year: 200

Name: Category: VCP#: NW

Date	Hours	Monthly Hours Subtotals	Site Manager Intls.	Unit Supervisor Intls.	Activity Description

Cleanup/Decision Summary

Site Name: Federal Way Deli Mart

FS ID #: 79813564 VCP #: NW1534
Site Decision (attach letters): No Further Action Determination

1. **Site Description (include site address with street, city, and county; physical description; current and historical uses of site; etc.):**

   The site is located at 29625 Pacific Highway South in Federal Way, King County in an area of mixed residential and commercial properties. It is approximately 0.96 acre in size. A UNOCAL gasoline station was constructed in 1969 and operated till 1990. The site was then occupied by an automobile sales facility and U-Haul company during the early 1990s. The UNOCAL gasoline service station building was demolished in 1994/95. The current underground storage tanks and fueling system were installed in 1995 as part of the construction for the existing gasoline service station and convenience store. The site slopes steeply downward toward the north-northwest, an undeveloped area covered by vegetation.

2. **Describe affected media (soil, groundwater, surface water, sediment, air):**

   Soil was contaminated by petroleum products during the period when UNOCAL gasoline station operated the site. Two 10, 000-gallon gasoline USTs, one 520-gallon waste oil tank and one 550-gallon heating oil tank were removed from the subject site in 1989. The steel gasoline tanks were replaced by two 12,000-gallon double-wall fiberglass-coated steel USTs. The steel waster oil tank was replaced with a 520-gallon double-wall fiberglass-coated steel tank. The steel heating oil tank was removed but not replaced. Petroleum contaminated soil was discovered during the tank removal. Approximately 600 cubic yards of contaminated soil was removed from beneath the gasoline USTs and 100 cubic yards from beneath and in the vicinity of the former waste oil UST. However, soil confirmation samples showed residual contamination in the vicinity of the former waste oil UST excavation area, and it was concluded that removal of the remaining contamination would require removal of the service station building and the new tank. A vapor well was installed in 1990 to monitor the conditions in the vicinity of the former waste oil tank excavation area.

   Groundwater was not encountered during any borings which reached 30 feet below ground surface (bgs). It is anticipated that the depth to groundwater at this site is greater than 100 feet.

3. **Cleanup method used:**

   ☒ **Method A**
   ☐ **Method B (Attempted to utilize Method B Worksheet)**
   ☐ **Method C**

4. **Describe cleanup activities (for each media) and if contamination remains on-site (including conformational sampling/analysis, points of compliance, etc...):**

The two fiberglass-coated steel gasoline tanks and the fiberglass-coated steel waste oil tank which were installed in 1989 were removed between December 1990 and January 1991. The product lines and the vapor well were also removed. Approximately 50 cubic yards of soil were excavated from the waste oil tank excavation area, 50 cubic yards from the gasoline tank excavation area, 10 cubic yards from the product line excavation and 180 cubic yards of soil were removed from the vapor well test pit excavation area. All the contaminated soil was disposed off site. One soil confirmation sample taken at the vapor well excavation pit around the depth of 16 feet showed TPH (heavy oil range) of 280 mg/kg, which was above the MTCA A cleanup Levels at that time, but is below the current cleanup level of 2000 mg/kg. All the other soil confirmation samples showed compliance with MTCA Method A cleanup requirements.

A Limited Phase II investigation was conducted in the subject site in 2001. All the soil samples showed compliance with MTCA Method A Cleanup Levels for Unrestricted Land Use.

**Note:

a. Table 1 of appendix A from the Report of Request for Determination of No further Action dated on November 23, 2005 has both performance and confirmation sampling results.
b. Remediation was conducted in 1989 and 1991. However, the site owners didn't officially request a No Further Action determination at that time and the site remains on Ecology's Confirmed and Suspected Contaminated Site list. Joe Hickey issued a letter dated on April 22, 1991 for the subject site. Joe stated in his letter that proper procedures were followed regarding the tank removal and site remediation pursuant to federal and state regulations. Joe also stated that the residual contamination was insufficient to warrant further action. Noted here MTCA method A Cleanup Levels for TPH has been changed after Joe issued the letter.

5. **Describe restrictive covenant (e.g., contamination remains under structure, groundwater restrictions, 5-year review):**

N/A

6. **Indicate if site to be delisted and EEOS contact (only for HSL sites):**

N/A

ES-3 1/26/06

Signature, Title, and Date

Scott A. Allen Toxics Unit Supervisor 2/2/06

Signature, Title, and Date

Signature, Title, and Date

STATE OF WASHINGTON

DEPARTMENT OF ECOLOGY

Northwest Regional Office • 3190 160th Avenue SE • Bellevue, Washington 98008-5452 • (425) 649-7000

ENTERED
FEB 2-27 2006

January 28th, 2006

Mr. Yung Ho Han, c/o Business Loan Express LLC
700 North Pearl Street Suite 1850
Dallas, TX 75201

Re: No Further Action Determination under WAC 173-340-515(5) for the following Hazardous Waste Site:

- Name: Federal Way Deli Mart
- Address: 29625 Pacific Highway South, Federal Way, WA 98003
- Facility/Site No.: 79813564
- VCP No.: NW1534

Dear Mr. Han:

Thank you for submitting your independent remedial action report for the Federal Way Deli Mart Site for review by the State of Washington Department of Ecology (Ecology) under the Voluntary Cleanup Program (VCP). Ecology appreciates your initiative in pursuing this administrative option for cleaning up hazardous waste sites under the Model Toxics Control Act (MTCA), Chapter 70.105D RCW.

This letter constitutes an advisory opinion regarding whether further remedial action is necessary at the Site to meet the substantive requirements of MTCA and its implementing regulations, Chapter 70.105D RCW and Chapter 173-340 WAC. Ecology is providing this advisory opinion under the specific authority of RCW 70.105D.030(1)(i) and WAC 173-340-515(5).

This opinion does not resolve a person's liability to the state under MTCA or protect a person from contribution claims by third parties for matters addressed by the opinion. The state does not have the authority to settle with any person potentially liable under MTCA except in accordance with RCW 70.105D.040(4). The opinion is advisory only and not binding on Ecology.

Ecology's Toxics Cleanup Program has reviewed the following information regarding the Site:

1. Report of Remedial Action Underground Storage Tank Removal Unocal Service Station 6227 King County, Washington, prepared by GeoEngineers on November 27, 1989.

2. Results of Supplemental Field Services Unocal Service Station 6227 King County, prepared by GeoEngineers on January 17, 1991.

3. Report of Remedial Action Underground Storage Tank Removal Unocal Service Station 6227 King County, Washington, prepared by GeoEngineers on April 10, 1991.

4. Letter Report Limited Phase II Investigation Shell Service Station and Mini Mart 29625 Pacific Highway South, Federal Way, Washington, prepared by Assessment and Remediation Consulting Services on April 9, 2001.

The documents listed above will be kept in the Central Files of the Northwest Regional Office of Ecology (NWRO) for review by appointment only. Appointments can be made by calling the NWRO resource contact at (425) 649-7190.

The Site is defined by the extent of contamination caused by the release of petroleum products to soil. The Site is more particularly described in Enclosure A to this letter, which includes a detailed Site diagram. The description of the Site is based solely on the information contained in the documents listed above.

Based on a review of the independent remedial action report and supporting documentation listed above, **Ecology has determined that the independent remedial action(s) conducted at the Site are sufficient to meet the substantive requirements contained in MTCA and its implementing regulations, Chapter 70.105D RCW and Chapter 173-340 WAC, for characterizing and addressing the contamination at the Site.** Therefore, pursuant to WAC 173-340-515(5), Ecology is issuing this opinion that **no further remedial action is necessary** at the Site under MTCA.

Based on this no further action determination, Ecology will update the status of the Site on its site database and remove the Site from the Confirmed and Suspected Contaminated Sites List and the Leaking Underground Storage Tank (LUST) List.

This no further action determination does not apply to any other release(s) or potential release(s) of contaminant(s) that may impact any other portion of any property impacted by this Site, or any other property owned or operated by Mr. Yung Ho Han.

Please note that this opinion is based solely on the information contained in the documents listed above. Therefore, if any of the information contained in those documents is materially false or misleading, then this opinion will automatically be rendered null and void and further remedial action may be required at the Site.

The state, Ecology, and its officers and employees make no guarantees or assurances by providing this opinion, and no cause of action against the state, Ecology, its officers or employees may arise from any act or omission in providing this opinion.

Again, Ecology appreciates your initiative in successfully completing cleanup under the Voluntary Cleanup Program (VCP). If you have any questions regarding this opinion, please contact me at (425) 649-4310.

Sincerely,

Jing Liu
NWRO, Toxics Cleanup Program

Enclosures: 1

Enclosure A

The site is located at 29625 Pacific Highway South in Federal Way, King County in an area of mixed residential and commercial properties. It is approximately 0.96 acre in size. A UNOCAL gasoline station was constructed in 1969 and operated till 1990. The site was then occupied by an automobile sales facility and U-Haul company during the early 1990s. The UNOCAL gasoline service station building was demolished in 1994/95. The current underground storage tanks and fueling system were installed in 1995 as part of the construction for the existing gasoline service station and convenience store. The site slopes steeply downward toward the north-northwest, an undeveloped area covered by vegetation.

Soil was contaminated by petroleum products during the period when UNOCAL gasoline station operated the site. Two 10, 000-gallon gasoline USTs, one 520-gallon waste oil tank and one 550-gallon heating oil tank were removed from the subject site in 1989. The steel gasoline tanks were replaced by two 12,000-gallon double-wall fiberglass-coated steel USTs. The steel waster oil tank was replaced with a 520-gallon double-wall fiberglass-coated steel tank. The steel heating oil tank was removed but not replaced. Petroleum contaminated soil was discovered during the tank removal. Approximately 600 cubic yards of contaminated soil was removed from beneath the gasoline USTs and 100 cubic yards from beneath and in the vicinity of the former waste oil UST. However, soil confirmation samples showed residual contamination in the vicinity of the former waste oil UST excavation area, and it was concluded that removal of the remaining contamination would require removal of the service station building and the new tank. A vapor well was installed in 1990 to monitor the conditions in the vicinity of the former waste oil tank excavation area.

Groundwater was not encountered during any borings which reached 30 feet below ground surface (bgs). It is anticipated that the depth to groundwater at this site is greater than 100 feet.

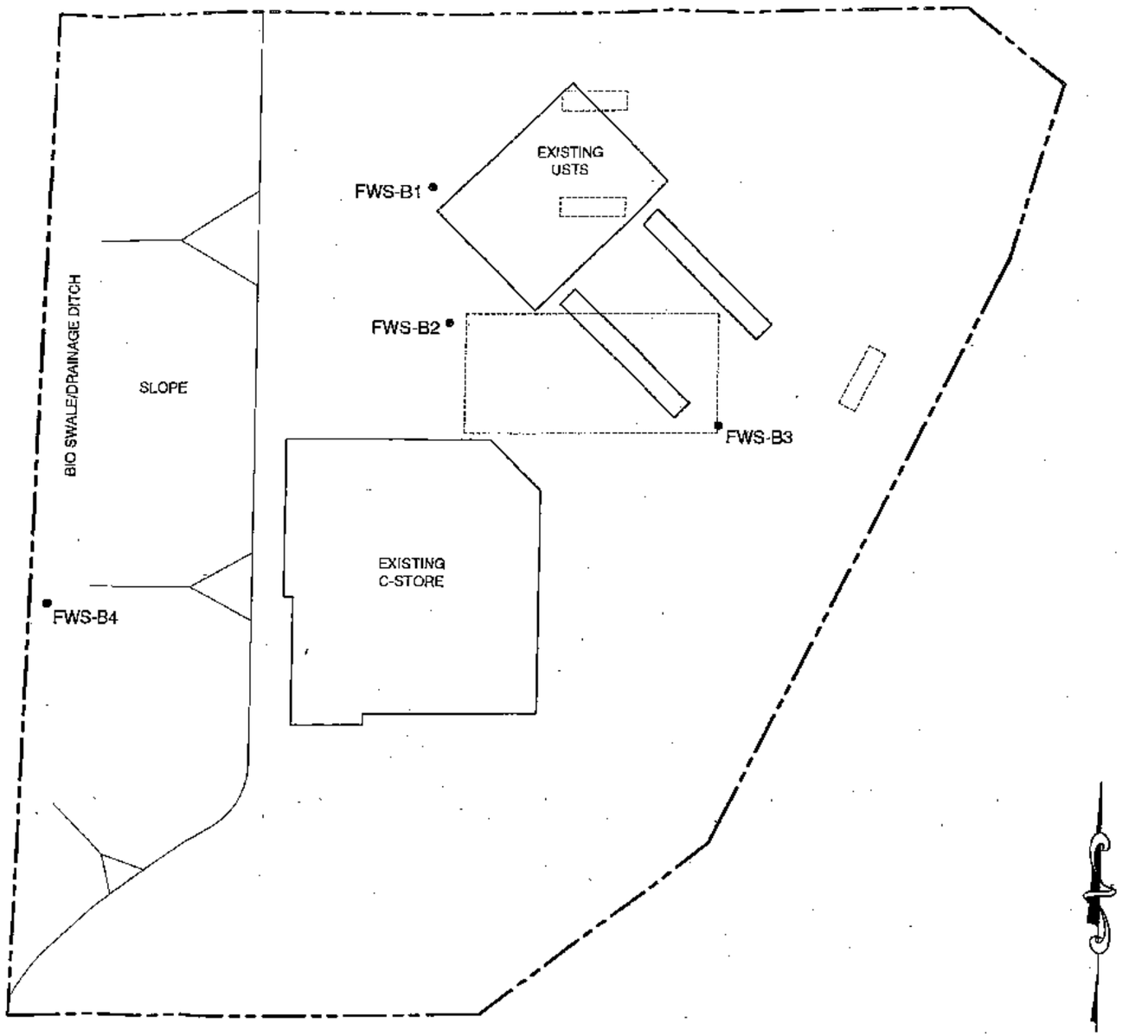
The two fiberglass-coated steel gasoline tanks and the fiberglass-coated steel waste oil tank which were installed in 1989 were removed between December 1990 and January 1991. The product lines and the vapor well were also removed. Approximately 50 cubic yards of soil were excavated from the waste oil tank excavation area, 50 cubic yards from the gasoline tank excavation area, 10 cubic yards from the product line excavation and 180 cubic yards of soil were removed from the vapor well test pit excavation area. All the contaminated soil was disposed off site. One soil confirmation sample taken at the vapor well excavation pit around the depth of 16 feet showed TPH (heavy oil range) of 280 mg/kg, which was above the MTCA A cleanup Levels at that time, but is below the current cleanup level of 2000 mg/kg. All the other soil confirmation samples showed compliance with MTCA Method A cleanup requirements.

A Limited Phase II investigation was conducted in the subject site in 2001. All the soil samples showed compliance with MTCA Method A Cleanup Levels for Unrestricted Land Use.

LEGEND:

- EXISTING BUILDING, DISPENSERS AND USTS
- FORMER BUILDING, DISPENSERS AND USTS

WS-B1 ● - NUMBER AND APPROXIMATE LOCATION OF ARCS PHASE II BORING



NOT TO SCALE

LSI Adapt, Inc.
615 - 8th Avenue South
Seattle, Washington 98104

Tel (206) 654-7045
Fax (206) 654-7048

FIGURE 4 - Boring Location (ARCS 2001 Phase II)

Project : Federal Way Shell
Location : 29625 Pacific Highway
Federal Way, WA 98003
Client : Business Loan Express (Seattle)
Project No : WA05-13165-ESA Date : 11/04/05

Cleanup/Decision Summary

Site Name: FEDERAL WAY DELI MART

FS ID #: 7981 3564 VCP #: NW1534

Site Decision (attach letters): _____

1. Site Description (include site address with street, city, and county; physical description; current and historical uses of site; etc.):

2. Describe affected media (soil, groundwater, surface water, sediment, air):

3. Cleanup method used:

   ☐ Method A
   ☐ Method B (Attempted to utilize Method B Worksheet)
   ☐ Method C

4. Describe cleanup activities (for each media) and if contamination remains on-site (including conformational sampling/analysis, points of compliance, etc...):

5. Describe restrictive covenant (e.g., contamination remains under structure, groundwater restrictions, 5-year review):

6. Indicate if site to be delisted and EEOS contact (only for HSL sites):

_____
Signature, Title, and Date

_____
Signature, Title, and Date

_____
Signature, Title, and Date

_____
Signature, Title, and Date

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
Northwest Regional Office • 3190 160th Avenue SE • Bellevue, Washington 98008-5452 • (425) 649-7000

December 5, 2005

Mr. Kevin M. Janusz
Business Loan Express LLC DFS #9736
700 Pearl Street, Suite 1850
Dallas TX 75201

Dear Mr. Kevin M. Janusz:

Re: Request for Review: Independent Remedial Action
Federal Way Deli Mart, 29625 Pacific Highway S., Federal Way WA 98003

Thank you for submitting the independent remedial action reports(s) for this site for Ecology's review. Ecology appreciates your initiative in pursuing a voluntary cleanup under the Model Toxics Control Act.

This is to acknowledge receipt of your *Request* and your $500 deposit. A copy of the *Request* form is enclosed. All correspondence relating to this project should include the site name and a reference to the TCP identification number NW1534.

The Department of Ecology (Ecology) will publish a notice in the *Site Register* that we have received the report(s) and of your request for Ecology review of the independent remedial action. The Site Register is a bi-weekly publication regarding sites undergoing cleanup or remedial action throughout the state.

If you have any questions about this letter or the Voluntary Cleanup Program, please do not hesitate to call me at (425) 649-4446.

Sincerely,

Dale R. Myers
Voluntary Cleanup Program Administrator

DM: lg

Enclosure

Voluntary Cleanup Program

Washington State Department of Ecology – Toxics Cleanup Program

WASHINGTON STATE DEPARTMENT OF ECOLOGY

SITE SUMMARY

This form is a required component of your request for assistance under the Voluntary Cleanup Program. Please include it with your application, consultation fee, and terrestrial ecological evaluation form (if applicable).

WHICH OF THE FOLLOWING APPLY TO YOUR SITE?

☐ You are requesting assistance on a planned cleanup.

☐ You are requesting assistance on an ongoing cleanup.

X You are requesting review of a completed cleanup.

☐ You are requesting review of monitoring reports.

PERSON/ORGANIZATION MAKING REQUEST FOR ASSISTANCE

Name: Mr. Han C/o Business Loan Express LLC

Firm:

Mailing address: 700 North Pearl Street Suite 1850

City: Dallas State: TX Zip code: 75201

Telephone number: 800 225-1776 Cynthia Zais Fax number: 214-389-6192 E-mail address:

WHICH BEST DESCRIBES YOUR INVOLVEMENT AT THIS SITE (CHECK AS MANY THAT APPLY)

Current Owner	Former Owner	Potential Purchaser	Current Operator	Former Operator	Environmental Consultant	Attorney	Insurance Carrier	Other
	X							

If other, please specify:

SITE IDENTIFICATION

Name of site: Federal Way Deli Mart

Alternative name(s) for site: UNOCAL Station # 6227

Site address: 29625 Pacific Highway South

City: Fedcral Way State: WA Zip code: 98003 County: King UBI Number:

Township: 21N Range: 4E Section: 4 Quarter-Quarter: NW-SW

Latitude:	122	Degrees:	18	Minutes:	51	Seconds:	
Longitude:	47	Degrees:	20	Minutes:	17	Seconds:	

What method did you use to calculate latitude and longitude? Ecology's Water well map.

How many acres is the site? 0.96

Property type? Commercial X Industrial ☐ Residential ☐ Other ☐ Please specify:

Is the property currently being used? Yes

Are there plans for change in use? No If yes, please specify:

Standard Industrial Classification (SIC) Codes

Please list all that apply. If you do not know the SIC code(s), list the activities conducted at the site (i.e. automotive repair and maintenance, construction equipment storage, etc.)

Gasoline station and convenience store

Tank Information

Please complete the table below for all above ground tanks (AST) and underground storage tanks (UST) existing or formerly existing on the property, including unregulated tanks.

Tank ID	AST/UST	Size	Was free product encountered?		In Excavation	**Tank Status & Date
			*Product	On GW		
?	UST	10,000-gasoline		NA		Installed- 1969 Removed-1989
?	UST	10,000-gasoline		NA		Installed-1969 Removed-1989
?	UST	550-heating oil		NA		Installed 1969 Removed-1989
4	UST	550-waste oil		NA		Installed-1969 Removed-1989
1	UST	12,000-unleaded		NA		Installed 1989 Removed-1990/91
2	UST	12,000, unleaded		NA		Installed- 1989 Removed-1990/91
	UST	520- waste oil		NA		Installed-1989 Removed-1990/91
5	UST	10,000 Unleaded Reg		NA		Installed-1995 Operational
6	UST	10,000 Unleaded Reg		NA		Installed-1995 Operational

7	UST	8, 4,000 Unleaded Plus and premium		NA		Installed-1995 Operational

** Unleaded, leaded diesel, bunker-C, waste oil, heating oil, aviation fuel, other (please identify)*
***Left in-place, removed, closed-in-place*

Site Maps

Please include an area map that shows the general location of the site (mark the site location) and a site diagram that shows sampling and well locations.

Dangerous Waste Facilities

Does the facility have a dangerous waste identification (WAD) number? ____No_____
If yes, please specify.

Site Assessment or Site Remediation Work Completed to-date

Has site assessment work been completed at the site? Yes
If yes, when? 1989, 1991 and 2001 Were the results reported to Ecology? Yes (1989 and 1991)
Has site cleanup work been conducted at the site? Yes
If yes, when? 1989 and 1991 Were the results reported to Ecology? Yes
Does contamination remain on-site after cleanup? No
If yes, please describe the contamination?

Institutional Controls (i.e. restrictive covenant, engineered controls, fencing)

Were institutional controls used at the site? If yes, please specify. ____Site is covered with asphalt and concrete pavement

Documentation

Please list all known assessment and/or cleanup reports completed for the site. Include the title of the report, the name of the consulting firm that did the work, and the year it was completed.

Title	Consulting Firm	Date
Report of Remedial Action Underground Storage Tank Removal Unocal Service Station 6227 King County, Washington	GeoEngineers	November 27, 1989
Results of Supplemental Field Services Unocal Service Station 6227 King County,	GeoEngineers	January 17, 1991

WASHINGTON		
REPORT OF REMEDIAL ACTION UNDERGROUND STORAGE TANK REMOVAL UNOCAL SERVICE STATION 6227 KING COUNTY, WASHINGTON	GEOENGINEERS	APRIL 10, 1991
LETTER REPORT LIMITED PHASE II INVESTIGATION SHELL SERVICE STATION AND MINI MART 29625 PACIFIC HIGHWAY SOUTH, FEDERAL WAY, WASHINGTON	ASSESSMENT AND REMEDIATION CONSULTING SERVICES	APRIL 9, 2001

AFFECTED MEDIA & CONTAMINANTS

Please list the known or suspected contaminants at the site prior to cleanup. Mark the appropriate medium (such as soil) with "C" (confirmed and above Model Toxics Control Act (MTCA) cleanup standards), "B" (confirmed but below MTCA standards), "S" (suspected), "N/A" (not applicable), "O" (tested and not present), "U" (unknown).

CONTAMINANT	SOIL	GROUND WATER	SURFACE WATER	AIR	SEDIMENT	DRINKING WATER	DATE OF RELEASE (IF KNOWN)
Example: Lead	C	S	S	U	S	S	1967-82
Gasoline	C	N/A	N/A	N/A	N/A	N/A	Prior to 1989
Lead	C	N/A	N/A	N/A	N/A	N/A	Prior to 1989
Benzene	B	N/A	N/A	N/A	N/A	N/A	Prior to 1989
Toluene	B	N/A	N/A	N/A	N/A	N/A	Prior to 1989
Ethylbenzene	B	N/A	N/A	N/A	N/A	N/A	Prior to 1989
Xylenes	B	N/A	N/A	N/A	N/A	N/A	Prior to 1989
TPH (418.1)	C	N/A	N/A	N/A	N/A	N/A	Prior to 1989
HVOC	O	N/A	N/A	N/A	N/A	N/A	

METHODS & TREATMENT CHNOLOGIES USED AT SITE

Please check all applicable boxes that apply to your site.

CLEANUP METHOD USED	SOIL	GROUND WATER	SURFACE WATER	DRINKING WATER	AIR	SEDIMENTS
Method A	X	N/A	N/A	N/A	N/A	N/A
Method B						
Method C						
TREATMENT TECHNOLOGY USED	**SOIL**	**GROUND WATER**	**SURFACE WATER**	**DRINKING WATER**	**AIR**	**SEDIMENTS**
Air Sparging/Air Stripping						
Bioventing						
Capping (asphalt, concrete, topsoil, RCRA cover, soil-clay, synthetic membrane)						
Carbon Adsorption						
Containment On-Site						
Containment Off-Site						
Free-product Recovery						
In Situ Chemical Oxidation						
Natural Attenuation (dilution, volatilization, biodegradation, adsorption)						
Permeable Reactive Barriers						
Phytoremediation						
Soil Flushing						
Soil Vapor Extraction						
Thermal Desorption						
Other (please specify) Soil Excavation	X	N/A	N/A	N/A	N/A	N/A

AFFECTED MEDIA & CONTAMINANTS AFTER CLEANUP

Please list the contaminants from the box on page 4 and list their status after cleanup. Mark the appropriate medium (such as soil) with "C" (confirmed and above Model Toxics Control Act (MTCA) cleanup standards but contained), "B" (confirmed but below MTCA standards), "R" (remediated and below MTCA standards), "N/A" (not applicable), "O" (tested and not present), "U" (unknown).

CONTAMINANT	SOIL	GROUND WATER	SURFACE WATER	AIR	SEDIMENT	DRINKING WATER
Example: Lead	R	O	B	U	B	O
Gasoline	R	N/A	N/A	N/A	N/A	N/A
Benzene	O	N/A	N/A	N/A	N/A	N/A
Toluene	O	N/A	N/A	N/A	N/A	N/A
Ethylbenzene	O	N/A	N/A	N/A	N/A	N/A
Xylenes	O	N/A	N/A	N/A	N/A	N/A
TPH (418.1)	R	N/A	N/A	N/A	N/A	N/A
Lead	R	N/A	N/A	N/A	N/A	N/A

DRINKING WATER & AQUATICS INFORMATION

Are there any drinking wells within ½ mile of the site? Yes If yes, how many? 1 approx ¼ mile southwest

Was a drinking water system affected? No If yes, was an alternate drinking water source provided?

Was the affected drinking water system public, private, or both?

Are there any creeks, streams, ponds, wetlands, or shorelands on or adjacent to the site? No Within ¼ mile of the site? Yes

If yes, where are they located? Northwest approximately ¼ mile.

Were they impacted by the contamination from the site? No

OWNER/OPERATOR HISTORY

Please complete as many of the below boxes as possible. For type of owner/operator, please use the following codes: (1) Private, (2) Municipal, (3) County, (4) Federal, (5) State, (6) Tribal, (7) Mixed, (8) Other, (9) Unknown, (10) Public Entitle Acquisition via Bankruptcy.

Current site owner: Rai and Tiwana LLC Type: 1

Street address: 29625 Pacific Highway South

City: Federal Way State: WA Zip code: 98003

Contact person (if different than owner listed above): Keith Ross LSI Adapt

Street address:

City: State: Zip code:

Phone: 206-654-7045 Fax: E-mail address:

Date of ownership: September 2005 to Present

Current operator: Same Type:

Street address:

City: State: Zip code:

Contact person (if different than owner listed above):

Street address:

City: State: Zip code:

Phone: Fax: E-mail address:

Date of operation: to

Former site owner: Mr. Yung Ho Han c/o Business Loan Express LLC Type: I

Street address: 700 North Pearl Street Suite 1850

City: Dallas State: TX Zip code:75201

Contact person (if different than owner listed above): Keith A. Ross LSI Adapt

Street address:

City: State: Zip code:

Phone: 206 654-7045 Fax: E-mail address:

Date of ownership: May 2001 to September 2005

Former operator: Same Type:

Street Address:

City: State: Zip code:

Phone: Fax: E-mail address:

Date of operation: to

Environmental consultant: Keith A. Ross Type:

Representing: Lender-Business Loan Express

Firm: LSI Adapt

Street address: 615 8th Avenue S

City: Seattle State: WA Zip code: 98104

Phone: 206-654-7045 Fax: 206-654-7048 E-mail address: kross@lsiadapt.com

SITE CONTACT PERSON (IF OTHER THAN OWNER/OPERATOR)

This is someone who is available during normal working hours and has knowledge about the site and the activities conducted at the site.

Name:

Relation to site owner/operator:

Firm:

Street address:

City: State: Zip code:

Phone: Fax: E-mail address:

Date of involvement with site: to

Name:

Relation to site owner/operator:

Firm:

Street address:

City: State: Zip code:

Phone: Fax: E-mail address:

Date of involvement with site: to

Name:

Relation to site owner/operator:

Firm:

Street address:

City: State: Zip code:

Phone: Fax: E-mail address:

Date of involvement with site: to

Voluntary Cleanup Program

Washington State Department of Ecology – Toxics Cleanup Program

TERRESTRIAL ECOLOGICAL EVALUATION EXCLUSION

Some contaminated sites are excluded from conducting a Terrestrial Ecological Evaluation (TEE). If your site meets the criteria for exclusion as described in WAC 173-340-7491, please complete this form.

Please note that exclusion from the TEE does not exclude the site for consideration of effects on aquatic or sediment ecological receptors.

SITE NAME **Federal Way Deli Mart**

SITE ADDRESS 29625 Pacific Highway South, Federal Way, WA 98003

EVALUATOR'S NAME KEITH A. ROSS, LSI ADAPT

REASONS FOR EXCLUSION:

A site is eligible for exclusion if it meets any of the following criteria:

1. POINT OF COMPLIANCE WAC 173-340-7491(1)(A)

- No contamination present at site. 1-☒
- All contamination is below 15 feet prior to remedial activities. 2-☐
- All contamination is below six feet and an institutional control has been implemented, as required by WAC 173-340-440. 3-☐
- All contamination is below a site-specific point of compliance established in compliance with WAC 173-340-7490(4)(b) with an institutional control implemented as required by WAC 173-340-440. 4-☐

  Please provide documentation that describes the rational for setting a site-specific point of compliance.

2. BARRIERS TO EXPOSURE WAC 173-340-7491(1)(B)

- All contaminated soil is or will be covered by physical barriers that prevent exposure to plants and wildlife and an institutional control has been implemented, as required by WAC 173-340-440. 5-☐

  An exclusion based on future land use must have a completion date for future development that is acceptable to Ecology.

3. Undeveloped land WAC 173-340-7491 (1)(c)

- There is less than one-quarter acre of contiguous undeveloped land on or within 500 feet of any area of the site and any of the following chemicals is present: chlorinated dioxins or furans, PCB mixtures, DDT, DDE, DDD, aldrin, chlordane, dieldrin, endosulfan, endrin, heptachlor, heptachlor epoxide, benzene hexachloride, toxaphene, hexachlorobenzene, pentachlorophenol, or pentachlorobenzene. 6-☐

- For sites not containing any of the chemicals mentioned above, there is less than one-and-a-half acres of contiguous undeveloped land on or within 500 feet of any area of the site. 7-☐

"Undeveloped land" is land that is not covered by building, roads, paved areas, or other barriers that would prevent wildlife from feeding on plants, earthworms, insects, or other food in or on the soil.

"Contiguous" undeveloped land is an area of undeveloped land that is not divided into smaller areas of highways, extensive paving, or similar structures that are likely to reduce the potential use of the overall area by wildlife.

4. Background concentrations WAC 173-340-7491 (1) (d)

- Concentrations of hazardous substances in soil do not exceed background levels as described in WAC 173-340-709. 8-☐

Explanation of Exclusion (If required):

If your site does not meet the TEE exclusions, you may have to conduct a simplified TEE in accordance with WAC 173-340-7492 or a site-specific TEE in accordance with WAC 173-340-7493. Please contact regional VCP staff with questions about conducting a simplified or site-specific TEE.

Ecology is an equal opportunity employer. For alternative format, please contact the Toxic Cleanup Program at (360) 407-7170 or 711 or 1-800-833-6388 (TTY).

BK 000000 6638

PHOTO No. 12

DATE: 6/16/92

TIME: ---

TAKEN BY: B. Jorgan

WITNESS:

FILM: ---

CAMERA:

DESCRIPTION:
Unocal St # 6227
29625 Pacific Hwy
Federal Way

COMMENTS:
LUST 1622 unocal Station #6227
Federal way
LUST 8504

PHOTO No. ---

DATE: ---

TIME: ---

TAKEN BY:

WITNESS:

FILM: ---

CAMERA:

DESCRIPTION:

COMMENTS:

UST NOTICE OF RELEASE

Complaint received by J Hinkley ENVIRONMENTAL COMPLAINT FORM

008504
Inc# 1622

1. SPILL OR COMPLAINT (circle one)

2. DATE: 11-22-89

TIME: _____

3. COUNTIES (✓one)

Northwest	Southwest	Central	Eastern
__ K2 King S.E.	__ CL Clallam	__ MA Mason	__ BE Benton	__ AD Adams	__ LI Lincoln
__ K1 King	__ CK Clark	__ PA Pacific	__ CH Chelan	__ AS Asotin	__ PO Pend Oreille
__ KI Kitsap	__ CO Cowlitz	__ PC Pierce	__ DO Douglas	__ CM Columbia	__ SP Spokane
__ SJ San Juan	__ GH Grays Harbor	__ SK Skamania	__ KL Klickitat	__ FE Ferry	__ ST Stevens
__ SK Skagit	__ JF Jefferson	__ TH Thurston	__ KI Kittitas	__ FR Franklin	__ WW Walla Walla
__ SN Snohomish	__ LE Lewis	__ WK Wahkiakum	__ OK Okanogan	__ GA Garfield	__ WH Whitman
__ WH Whatcom			__ YA Yakima	__ GR Grant	

4. COMPLAINTANT reporter
Name: Julia Fowler
Address: Geo Engineers
City: _____
Phone: 746-5200

5. ANONYMOUS
__ YES
__ NO

6. ALLEGED VIOLATOR
Name: UNOCAL
Address: _____
City: _____
Phone: _____

7. MEDIA CODE (✓one)
__ A Air
__ GW Ground Water
✓ S Soil
__ SW Surface Water
__ WR Water Right
__ O Other _____

8. MATERIAL CODE (✓one)
__ AC Aquaculture
__ AG Agriculture
__ HW Hazardous Waste
✓ OP Oil/Petroleum
__ SW Solid Waste
__ WW Wastewater
__ O Other _____

9. ECOLOGY 1st RESPONSE (✓one)
__ CU Cleanup
__ EA Enforcement
__ I Inspection
__ LW Letter Written
__ NA No Action
__ RE Referred
__ TC Telephone Call
__ O Other _____

COMMENTS: (Who, What, Where, When, Why and How) UNOCAL STA. # 6227

10. Where did the violation occur?: Street Pac. Hwy S. & Dash Pt. Rd.

City Seattle Fed. Way County King 29625 Pac. Hwy. S. 98003

Directions to place of incident: _____
Use reverse side for notes

Watercourse, if any _____

11. Description of damage (dead fish, etc.) tanks removed. Some cont. remains (500-14,000 ppm TPH) associated w/ waste and heating oil tanks under slab & pump island. Sending report for our opinion.

11. (cont.)

COMMENTS: (Who, What, Where, When, Why and How)

12. OUTSIDE REFERRAL (✓one)

__ CH County Health Department
__ CD Conservation District
__ EP E.P.A. (Federal)
__ CG U.S. Coast Guard
__ OS Washington State D.S.H.S.
__ O Other _____

Recorder: _____

13. REFERRED TO

		RESP. REQ.
Name _____	Phone _____	YES or NO
Name _____	Phone _____	YES or NO
Name _____	Phone _____	YES or NO

14. INVESTIGATOR: _____

15. HOURS SPENT: _____

16. DATE OF INVESTIGATION: _____

17. WATERWAY: _____

WDIS No: _____ EPA ID No: _____ WRIA No: _____

ATTACHMENTS: _____

PHOTOS: ___ Yes ___ No

SIGNATURE: _____

DATE: _____

CC: _____

LUST INITIAL INVESTIGATION

Lust Incident No: 1622

Unocal Station # 6227
29625 Pacific Hwy South.
Federal Way, Washington

Initial investigation was conducted at the above referenced site by Ben Amoah-Forson on June 16, 1992.

Excavation cavity at the site has been backfilled and paved. Site is now being used as used car lot. (See pic. # 12)

BAF/bf.

Unocal Refining & Ma[redacted] Division
Unocal Corporation
100 W. Harrison, Suite 225
Seattle, Washington 98119
Telephone (206) 281-7666
Fax (206) 443-7561

RECEIVED
APR 23 1991
DEPT. OF ECOLOGY

UNOCAL 76

April 19, 1991

Department of Ecology
4350 150th Ave N.E.
Redmond, Washington 98504-5301
Attn: Joseph Hickey, LUST Inspector

Dear Mr. Hickey:

SERVICE STATION NO. 6227
SITE CLOSURE LETTER

Please review the cleanup and assessment report from GeoEngineers dated April 10, 1991 for station 6227, 29625 Pacific Highway S., Federal Way, and forward a site closure letter at your earliest convenience.

The transfer and sale of this property is pending receipt of your letter. Please call me at 443-7523 if you have any questions.

Yours truly,

V. L. Carlson
Maintenance Engineer

cc: J. E. Mason
R. D. Tackett
R. L. Folda
G. E. Gunderson
R. Gonzales

sent - JH

UNOCAL STA. # 6227 / Dock St. Rd's.

Department of Ecology
Northwest Regional Office
Potential Site Contamination Questionaire
for SS6227

1.) What is your name? UNOCAL (V.L. CARLSON)
Address? P.O. BOX 76
SEATTLE, WA 98111

2.) Is there a telephone number you can be reached at?
Tel. # 206-443-7523 Best time(s)? 8:00AM to 4:00PM

3.) What is the location of the property?
Address 29625- PACIFIC HWY SO. FEDERAL WAY, WA 98003
Legal Description SEE ATTACHED SHEET

4.) Who (what person, company) operates or has operated at the location? If past operator(s), indicate dates.

DELBERT J. JUMP

5.) Who is the owner of the property? UNOCAL
name

P.O. BOX 76, SEATTLE, WA. 98111
address city state zip

6.) What activities currently occur at the property?

GASOLINE SERVICE STATION

7.) Do you know anything about past business(es) and/or activities at the property ? NO

8.) Do you know of, or have any reason to suspect that there is, or has been any contamination of any kind at this location? explain

YES

Any petroleum or Hazardous contamination? YES

When did you first know or suspect this? WHEN REPLACING U.S. TANKS

Did you tell or notify anyone, then or later? YES

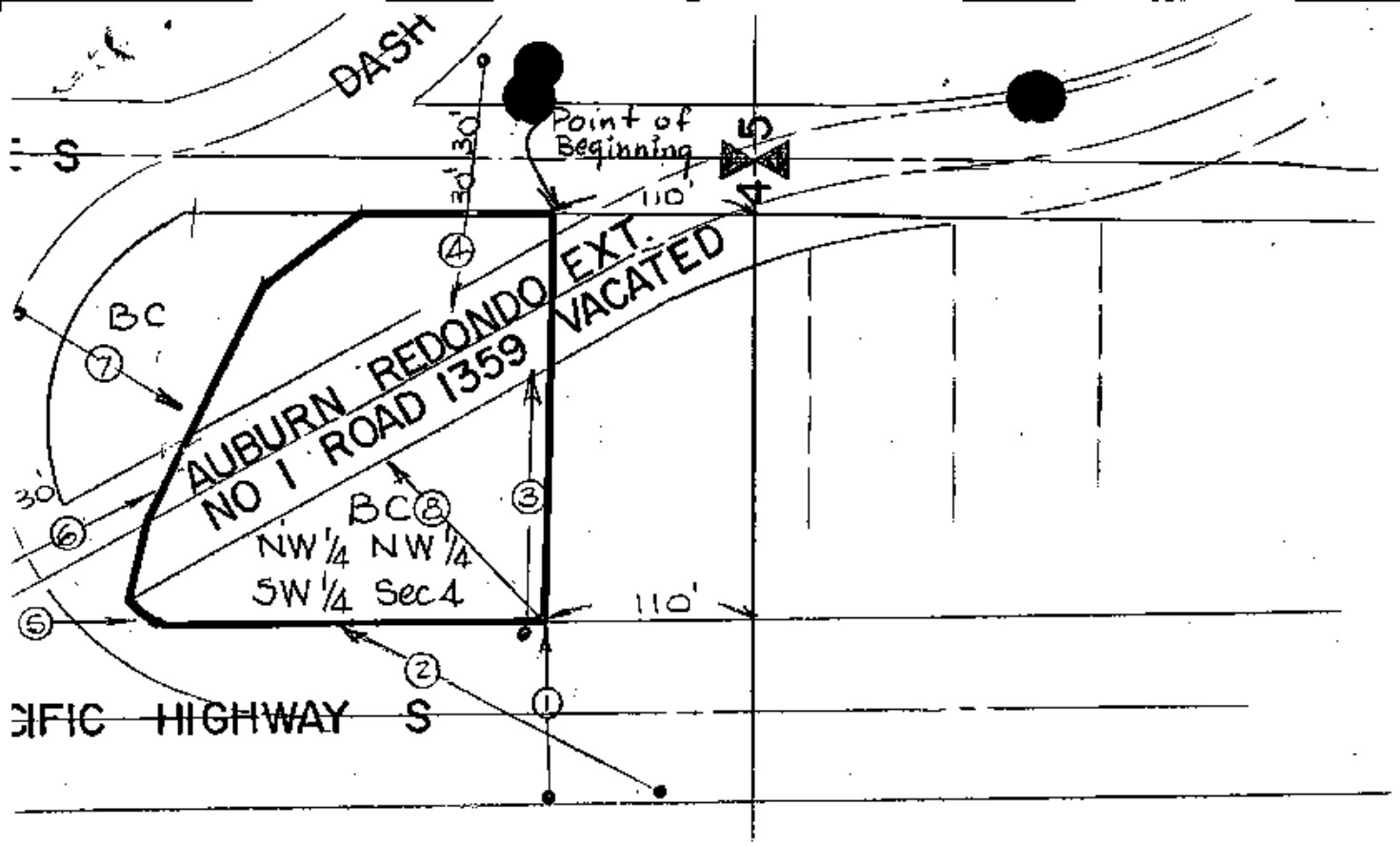
If so, who? D.O.E.
What agency? OLYMPIA, WA.

9.) Do you know of any investigation(s) or report(s) about, or conducted at the property? When and by whom? Nov. 1989 GEO ENGINEERS, 2405 · 140TH N.E. SUITE 105 BELLEVUE, WA 98005.

Please return questionaires and/or direct inquiries to:

Department of Ecology
Northwest Regional Office
4350-150th Ave N.E.
Redmond, WA 98052-5301
Attn: Norm Peck

Call: (206) 867-7047
SCAN 731-7047



R-900

Legal Description:

THAT PORTION OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER SECTION 4, TOWNSHIP 21 NORTH, RANGE 4 EAST, W.M., IN KING COUNTY, WASHINGTON, DESCRIBED AS FOLLOWS:

BEGINNING AT THE INTERSECTION OF THE SOUTH LINE OF THE NORTH 110 FEET OF SAID SUBDIVISION WITH THE EAST LINE OF THE WEST 30 FEET THEREOF; THENCE SOUTHERLY ALONG SAID EAST LINE 105 FEET MORE OR LESS, TO THE NORTHERLY LINE OF THE SOUTHERLY PORTION OF A TRACT CONVEYED TO KING COUNTY FOR ROAD BY DEED RECORDED UNDER AUDITOR'S FILE NO. 6207860; THENCE ALONG SAID NORTHERLY LINE SOUTH 36°56'16" EAST 65 FEET; THENCE SOUTH 63°36'30" EAST TO THE CENTER LINE OF AUBURN-REDONDO EXT NO. 1 ROAD AS CONVEYED TO KING COUNTY BY DEED RECORDED UNDER AUDITOR'S FILE NO. 2501551; THENCE SOUTHEASTERLY TO THE INTERSECTION OF THE EASTERLY LINE OF SAID AUBURN-REDONDO EXT NO. 1 ROAD WITH THE NORTHERLY LINE DES MOINES-PIERCE COUNTY ROAD; THENCE EASTERLY ALONG SAID NORTHERLY LINE TO THE WESTERLY LINE OF PACIFIC HIGHWAY SOUTH; THENCE NORTHERLY ALONG SAID WESTERLY LINE TO THE SOUTH LINE OF THE NORTH 110 FEET OF SAID SOUTHWEST QUARTER; THENCE WESTERLY TO THE POINT OF BEGINNING.

Underground Storage Tank System Summary

UST ID: 6523

Site Name: RENTAL MARTS

Glossary

UST ID:	6523	**Facility/Site ID:**	7222592	**Latitude:**	47.33492	**Active Tag(s):**	N/A
Address:	29805 PACIFIC HIGHWAY S FEDERAL WAY, WA 98003			**Longitude:**	-122.31275	**Responsible Unit:**	Northwest
				County:	King		

Tank Summary

Tank Name	Tank Status	Tank Install Date
4	Closed in Place	12/31/1964
3	Closed in Place	12/31/1964
2	Removed	12/31/1964
1	Removed	12/31/1964

Tank Name: 4 — Tank Status: Closed in Place

Tank Installation:	12/31/1964	**Tank Upgrade:**	**Business License Endorsement Expiration:**
Tank Status Date:	8/6/1996	**Piping Installation:**	**Tank Permanently Closed Date:**

Tank Information	Piping Information
Material:	**Material:**
Construction:	**Construction:**
Corrosion Protection:	**Corrosion Protection:**
Manifolded Tank:	**SFC* at Tank:**
Release Detection:	**SFC* at Dispenser/Pump:**
Tightness Test:	**Primary Release Detection:**
Spill Prevention:	**Secondary Release Detection:**
Overfill Prevention:	**Pumping System:**
Actual Capacity:	**Turbine Sump Construction:**
Capacity Range:	*SFC = Steel Flex Connector

Compartment	Substance Stored	Substance Used	Capacity
1			

Tank Name: 3			**Tank Status:** Closed in Place
Tank Installation:	12/31/1964	**Tank Upgrade:**	**Business License Endorsement Expiration:**
Tank Status Date:	8/6/1996	**Piping Installation:**	**Tank Permanently Closed Date:**

Tank Information		Piping Information	
Material:		**Material:**	
Construction:		**Construction:**	
Corrosion Protection:		**Corrosion Protection:**	
Manifolded Tank:		**SFC* at Tank:**	
Release Detection:		**SFC* at Dispenser/Pump:**	
Tightness Test:		**Primary Release Detection:**	
Spill Prevention:		**Secondary Release Detection:**	
Overfill Prevention:		**Pumping System:**	
Actual Capacity:		**Turbine Sump Construction:**	
Capacity Range:	111 TO 1,100 Gallons	*SFC = Steel Flex Connector	

Compartment	Substance Stored	Substance Used	Capacity
1			

Tank Name: 2			**Tank Status:** Removed	
Tank Installation:	12/31/1964	**Tank Upgrade:**	**Business License Endorsement Expiration:**	11/15/1992
Tank Status Date:	8/6/1996	**Piping Installation:**	**Tank Permanently Closed Date:**	

Tank Information		Piping Information	
Material:		**Material:**	
Construction:		**Construction:**	
Corrosion Protection:		**Corrosion Protection:**	
Manifolded Tank:		**SFC* at Tank:**	
Release Detection:		**SFC* at Dispenser/Pump:**	
Tightness Test:		**Primary Release Detection:**	
Spill Prevention:		**Secondary Release Detection:**	
Overfill Prevention:		**Pumping System:**	
Actual Capacity:		**Turbine Sump Construction:**	
Capacity Range:		*SFC = Steel Flex Connector	

Compartment	Substance Stored	Substance Used	Capacity
1	Unleaded Gasoline		

Underground Storage Tank System Summary

UST ID: 6523

Tank Name:	1		**Tank Status:**	Removed	
Tank Installation:	12/31/1964	**Tank Upgrade:**	**Business License Endorsement Expiration:**	7/1/1993	
Tank Status Date:	8/6/1996	**Piping Installation:**	**Tank Permanently Closed Date:**		

Tank Information		Piping Information	
Material:		**Material:**	
Construction:	Single Wall Tank	**Construction:**	Single Wall Pipe
Corrosion Protection:	None	**Corrosion Protection:**	None
Manifolded Tank:		**SFC* at Tank:**	
Release Detection:	Statistical Inventory Reconciliation	**SFC* at Dispenser/Pump:**	
Tightness Test:		**Primary Release Detection:**	
Spill Prevention:	None	**Secondary Release Detection:**	
Overfill Prevention:	None	**Pumping System:**	
Actual Capacity:		**Turbine Sump Construction:**	
Capacity Range:	111 TO 1,100 Gallons	*SFC = Steel Flex Connector	

Compartment	Substance Stored	Substance Used	Capacity
1		Motor Fuel for Vehicles	

Underground Storage Tank System Summary

UST ID: 6523

Site Name: RENTAL MARTS

Glossary

UST ID:	6523	**Facility/Site ID:**	7222592	**Latitude:**	47.33492	**Active Tag(s):**	N/A
Address:	29805 PACIFIC HIGHWAY S FEDERAL WAY, WA 98003			**Longitude:**	-122.31275	**Responsible Unit:**	Northwest
				County:	King		

Tank Summary

Tank Name	Tank Status	Tank Install Date
4	Closed in Place	12/31/1964
3	Closed in Place	12/31/1964
2	Removed	12/31/1964
1	Removed	12/31/1964

Tank Name: 4 — Tank Status: Closed in Place

Tank Installation:	12/31/1964	**Tank Upgrade:**	**Business License Endorsement Expiration:**
Tank Status Date:	8/6/1996	**Piping Installation:**	**Tank Permanently Closed Date:**

Tank Information	Piping Information
Material:	**Material:**
Construction:	**Construction:**
Corrosion Protection:	**Corrosion Protection:**
Manifolded Tank:	**SFC* at Tank:**
Release Detection:	**SFC* at Dispenser/Pump:**
Tightness Test:	**Primary Release Detection:**
Spill Prevention:	**Secondary Release Detection:**
Overfill Prevention:	**Pumping System:**
Actual Capacity:	**Turbine Sump Construction:**
Capacity Range:	*SFC = Steel Flex Connector

Compartment	Substance Stored	Substance Used	Capacity
1			

Tank Name: 3			**Tank Status:** Closed in Place
Tank Installation:	12/31/1964	**Tank Upgrade:**	**Business License Endorsement Expiration:**
Tank Status Date:	8/6/1996	**Piping Installation:**	**Tank Permanently Closed Date:**

Tank Information		Piping Information	
Material:		**Material:**	
Construction:		**Construction:**	
Corrosion Protection:		**Corrosion Protection:**	
Manifolded Tank:		**SFC* at Tank:**	
Release Detection:		**SFC* at Dispenser/Pump:**	
Tightness Test:		**Primary Release Detection:**	
Spill Prevention:		**Secondary Release Detection:**	
Overfill Prevention:		**Pumping System:**	
Actual Capacity:		**Turbine Sump Construction:**	
Capacity Range:	111 TO 1,100 Gallons	*SFC = Steel Flex Connector	

Compartment	Substance Stored	Substance Used	Capacity
1			

Tank Name: 2			**Tank Status:** Removed	
Tank Installation:	12/31/1964	**Tank Upgrade:**	**Business License Endorsement Expiration:**	11/15/1992
Tank Status Date:	8/6/1996	**Piping Installation:**	**Tank Permanently Closed Date:**	

Tank Information		Piping Information	
Material:		**Material:**	
Construction:		**Construction:**	
Corrosion Protection:		**Corrosion Protection:**	
Manifolded Tank:		**SFC* at Tank:**	
Release Detection:		**SFC* at Dispenser/Pump:**	
Tightness Test:		**Primary Release Detection:**	
Spill Prevention:		**Secondary Release Detection:**	
Overfill Prevention:		**Pumping System:**	
Actual Capacity:		**Turbine Sump Construction:**	
Capacity Range:		*SFC = Steel Flex Connector	

Compartment	Substance Stored	Substance Used	Capacity
1	Unleaded Gasoline		

Underground Storage Tank System Summary

UST ID: 6523

Tank Name:	1		**Tank Status:**	Removed	
Tank Installation:	12/31/1964	**Tank Upgrade:**	**Business License Endorsement Expiration:**	7/1/1993	
Tank Status Date:	8/6/1996	**Piping Installation:**	**Tank Permanently Closed Date:**		

Tank Information		Piping Information	
Material:		**Material:**	
Construction:	Single Wall Tank	**Construction:**	Single Wall Pipe
Corrosion Protection:	None	**Corrosion Protection:**	None
Manifolded Tank:		**SFC* at Tank:**	
Release Detection:	Statistical Inventory Reconciliation	**SFC* at Dispenser/Pump:**	
Tightness Test:		**Primary Release Detection:**	
Spill Prevention:	None	**Secondary Release Detection:**	
Overfill Prevention:	None	**Pumping System:**	
Actual Capacity:		**Turbine Sump Construction:**	
Capacity Range:	111 TO 1,100 Gallons	*SFC = Steel Flex Connector	

Compartment	Substance Stored	Substance Used	Capacity
1		Motor Fuel for Vehicles	

APPENDIX I

DATA	ID
3.8	
4.42	
4.13	
1.73	
4.14	
1.27	
14.1	
3.9	
4.14	
7.03	
9.58	
1.22	
1.73	
1.09	
13	
20	
7.5	
8.2	
7.5	
5.5	
2.8	
10	
9.9	
9.7	
5.4	
3.9	
21	
14	
2.6	
2.5	
13	
9.2	
7.5	
4.9	
7.8	
5	
3.9	
4	
6.9	

MTCAStat 97 Site Module

Number of samples		Uncensored values	
Uncensored	39	Mean	6.871
Censored		Lognormal mean	7.098
Detection limit or PQL		Std. devn.	4.816
Method detection limit		Median	5.4
TOTAL	39	Min.	1.09
ENTER DATA		Max.	21

Distribution Decision

Probability plot method	W test	D'Agostino's test
Lognormal distribution?	Normal distribution?	
r-squared is: 0.975	r-squared is: 0.886	

Recommendations:

Use lognormal distribution.

Upper Confidence Limit (UCL)

UCL (Land's method) is 9.16986217943816

Paste values

Sort data

Calculate UCL

Lognormal

Normal

Neither

Finished

Exit MTCA*Stat*

Clear messages

Clear all

Histogram

5 10 20

Create report

Sample size

Former Payless Auto Mart
29805 Pacific Highway South, Federal Way, WA
MTCAStat97 for Arsenic with "Area A1" through "Area A7"

3.8
4.42
4.13
1.73
4.14
1.27
14.1
3.9
4.14
7.03
9.58
1.22
1.73
1.09
13
20
7.5
8.2
7.5
5.5
2.8
10
9.9
9.7
5.4
3.9
21
14
2.6
2.5
13
9.2
7.5
4.9
7.8
5
3.9
4
6.9

Number of samples		Uncensored values	
Uncensored	39	Mean	6.87
Censored		Lognormal mean	7.10
Detection limit or PQL		Std. devn.	4.81584238
Method detection limit		Median	5.4
TOTAL	39	Min.	1.09
		Max.	21

Lognormal distribution?		Normal distribution?	
r-squared is:	0.975	r-squared is:	0.886

Recommendations:
Use lognormal distribution.

UCL (Land's method) is 9.16986217943816