UST 8208

UNDERGROUND STORAGE TANK DECOMMISSIONING AND FINAL CLEANUP REPORT

SMITH BROTHERS FARMS
27441 68TH AVENUE SOUTH
KENT, WASHINGTON 98032
WDOE RELEASE # 627989

SUBMITTED TO:

CRAIG KOESTER
SMITH BROTHERS FARMS
27441 68TH AVENUE SOUTH
KENT, WASHINGTON 98032

PREPARED BY:

DONNA HEWITT, L.G.
DLH ENVIRONMENTAL CONSULTING
2400 NW 80TH STREET
PMB 114
SEATTLE, WASHINGTON 98117

AUGUST 22, 2011

TABLE OF CONTENTS

1.0 PROJECT DESCRIPTION/SCOPE OF WORK

One 10,000-gallon, steel underground storage tank (UST) located at the Smith Brothers Farms facility located at 27441 68th Avenue South in Kent, Washington was decommissioned by removal per Washington State Department of Ecology regulations. The tank was removed and soils surrounding the tank were sampled and analyzed per the WDOE UST regulations and guidance documents. The tank was removed on June 21, 2011.

Donna Hewitt of DLH Environmental Consulting (DLH) was onsite during the removal of the tank. Ms. Hewitt is an ICC Decommissioning Supervisor (#1044716-U2) and a Washington State Site Assessor (#1044716-U2) (certifications are included as Appendix F). Washington Department of Ecology (WDOE) Site Check and Site Assessment Forms are located in Appendix E. Laboratory analysis was conducted by Friedman & Bruya Inc. located in Seattle, Washington and laboratory reports are provided in Appendix C.

The following tank was decommissioned:

Tank Number	Size	Contents	Removal Date
Tank 1 (T1)	10,000 gallon	gasoline	7/21/11

As part of the site assessment, soil samples were collected and analyzed from the tank excavation. Stockpiled soils were also sampled and analyzed. A site sketch is located in Appendix A along with photographic documentation.

2.0 METHODS OF INVESTIGATION

A WDOE 30-day notice to remove the tank and the city of Kent removal permits were obtained (Appendix B) and the tank contents were pumped out by Smith Brother Farms personnel. Subsequently, per regulations, the tank was pumped, rinsed, and cleaned by Marine Vacuum Services (MarVac) of Seattle, WA. The tank was inerted by Pacific Environmental Services Company (PESCO) of Port Townsend, Washington using dry ice and confirmed to be inert by Sound Testing. The tank was then removed by PESCO and subsequently transported off site and disposed of by MarVac (see Appendix D). All confirmed hydrocarbon-impacted soils were disposed of at the Waste Management Alaska Street Transfer Station in Seattle, Washington.

Soil samples were collected for hydrocarbon analysis from a minimum of two feet below the bottom of the tank, from stockpiled soils, and from the sidewalls of the excavation.

In addition, soil samples were collected from just below the concrete slab prior to tank removal due to staining and strong hydrocarbon odors. Initial laboratory analysis of the soils below the concrete confirmed hydrocarbons in the soil above the cleanup levels for gasoline. Soil samples collected during the tank removal confirmed hydrocarbon contamination exceeding Model Toxics Control Act (MTCA) Method A cleanup levels. Subsequently, the impacted soil was removed (244.59 tons) and final confirmational soil samples were collected from the walls and bottom of the final excavation limits.

Soil samples were collected and placed in sterilized glassware furnished by the project laboratory. In an effort to minimize the possible loss of any volatile hydrocarbons that may have been present in the soil, the samples were stored in an iced chest until delivered to the laboratory. All EPA-established sample-handling protocols, including chain of custody procedures, were observed during the course of the project.

Samples were analyzed according to the WDOE document "Guidance for Site Checks and Site Assessments for Underground Storage Tanks," February 1991 (Revised October 1992).

Soil samples collected were analyzed for the presence of gasoline and benzene, toluene, ethylbenzene, and xylenes (BTEX) using EPA Method 8021B and NWTPH-Gx. They were also analyzed for the presence of lead using EPA-Method 200.8.

3.0 RESULTS OF INVESTIGATION

3.1 Soil Conditions

Soils surrounding the UST were a mixture of imported non-native fill material underlain by native silty sands and clay.

3.2 Groundwater

Water was encountered in the tank excavation. The water was perched groundwater and was sampled for potential hydrocarbon contamination. Laboratory data confirmed that the water that had entered the excavation was not impacted with hydrocarbons. The water was removed from the excavation by MarVac and disposed of by MarVac as Non-Regulated Water (Appendix D). Laboratory data for the water sample is located in Appendix C and noted in Table B.

3.3 Observation of Tank Removal Activities

Donna Hewitt of DLH Environmental Consulting, a licensed UST Decommissioning Supervisor and Site Assessor, was onsite during all tank removal activities. The pump and overlying concrete slab were removed prior to tank removal. The overburden soils were removed and then the tank was inerted with dry ice. Sound Testing was onsite to confirm that the tank was inert prior to its removal. Once the soils from the top of the tank and from the sides of the tank were removed, the tank was pulled from the ground with a backhoe and placed on the asphalt driveway until it was removed the same day by Marine Vacuum Services of Seattle, Washington.

Stained soil and strong odors were noted below the tank and at depths staring at 8-9 feet below ground level on the sidewalls of the excavation. The bottom of the tank level was 9 feet below ground level.

3.4 Hydrocarbon Testing

Soil samples collected underneath and around the gasoline tank were analyzed for the presence of gasoline and BTEX using EPA Method 8021B and NWTPH-Gx. They were also analyzed for the presence of lead using EPA-Method 200.8.

Laboratory results for soil samples are summarized in Table A. Laboratory reports are located in Appendix C.

3.5 Observation of Soil Removal Activities

Based on soil sample analysis, it was determined that contamination existed underneath the tank and along the sidewalls of the tank excavation. On July 5, the contaminated soil was removed and stockpiled onsite and on July 7, 2011, a total of 244.59 tons of soil was disposed of at the Waste Management Alaska Street Transfer Station in Seattle, Washington under Waste Manifest/Profile #105399WA (Appendix D).

3.6 Final Confirmational Soil Sampling and Analysis

Once the impacted soil was removed, final confirmation soil samples were collected from the sidewalls and bottom of the excavation. Laboratory data confirmed that impacted soil was removed from the perimeter of the tank. Confirmational soil sample analysis results are located in Table B.

4.0 WASHINGTON STATE DEPARTMENT OF ECOLOGY REQUIREMENTS

Washington Department of Ecology requires UST checklists and site assessment forms to be filled out during UST decommissioning projects. These forms have been completed and are located in Appendix E.

5.0 CONCLUSIONS

The following conclusions are based on the results of the soil sample analyses:

- Hydrocarbon impacted soils associated with the gasoline tank was confirmed.
- A total of 244.59 tons of soil was disposed of at the Waste Management Alaska Street Transfer Station located in Seattle, Washington.
- The tank was disposed of by Marine Vacuum Services of Seattle, Washington
- Confirmational soil sampling and analysis of the gasoline tank excavation indicate that impacted soils associated with the tank specifically underneath and around the tank were removed.
- The tank, pump, product lines, and vent lines were removed and disposed of according to current requirements.

6.0 RECOMMENDATIONS

Since the tank and hydrocarbon-impacted soil associated with the tank have been removed and properly disposed of, no recommendations will be made at this time.

7.0 LIMITATIONS

This report has been prepared for specific application to this project in a manner consistent with the level of care and skill normally exercised by members of the environmental science profession currently practicing under similar conditions in the area.

Recommendations and conclusions contained in this report are based on evaluation of technical information made available and reviewed during the course of this survey. Our work product and judgements rendered meet the standard of care of our profession at this time. No other warranty, expressed or implied, is made concerning the professional conclusions and recommendations included in this report.

DLH Environmental Consulting shall not be responsible for conditions or consequences arising from relevant facts that were withheld, concealed, or not fully disclosed at the time this evaluation was performed.

DLH Environmental Consulting has no control over the accuracy of information provided by outside consultants, contractors, and agencies and, therefore, disclaims responsibility for any inaccuracies incurred. Also, DLH Environmental Consulting accepts no responsibility for verifying compliance with government regulations for hazardous material and waste use or storage at the subject facility.

The underlying philosophy in formulating the conclusions and recommendations was to reduce uncertainties regarding the property and pertaining to environmental hazards, to the degree possible. Therefore, the results of this assessment should be viewed as reasonably accurate estimates, given the project limitations of the existing environmental condition of the property.

This report is for the exclusive use of the WDOE, Smith Brothers Farms, and their representatives. If new information becomes available as a result of future site work, which may include excavations, borings, studies, etc., DLH Environmental Consulting reserves the right to reevaluate the conclusions of this report and to provide amendments as required.

TABLE A
Soil Sampling Analytical Results

SAMPLE NUMBER * = final confirmational samples	LOCATION Feet below ground level (bgl)	ANALYSIS	RESULTS parts per million (ppm)
62011-01	Below the concrete slab located over the top of the tank, adjacent to the tank fill	NWTPH-Gx BTEX	69 ppm Below Cleanup Levels (BC)
62011-02	South sidewall of tank excavation @ 4 ft bgl	NWTPH-Gx BTEX	4.6 ppm BC
62011-03	West sidewall of tank excavation @ 4 - 5 ft bgl	NWTPH-Gx BTEX	950 ppm benzene @ <0.1 ppm
62011-04	South sidewall of tank excavation @ 9 ft bgl, at the bottom level of the tank	NWTPH-Gx BTEX	2.6 ppm BC
62111-WSW-9	West sidewall @ 9 ft bgl	NWTPH-Gx BTEX	3.4 ppm BC
62111-Stock W	Stockpiled material taken from the west and south sidewalls	NWTPH-Gx BTEX	24 ppm Benzene = 0.26 ppm
62111- Stock N	Stockpiled material taken from the north and east sidewalls	NWTPH-Gx BTEX	330 ppm Benzene =<0.04, Xylene = 17 ppm
62111-B-10'	1-2 feet below the bottom of the tank on the fill end (south) of the excavation @ 9 ft bgl	NWTPH-Gx BTEX	5.8 ppm BC
62111-NSW-8'	North sidewall @ 8 ft bgl	NWTPH-Gx BTEX	5.0 ppm BC
62111-ESW-9'	East sidewall @ 9 ft bgl	NWTPH-Gx BTEX	88 ppm BC
* 62111-ESW-OVX-9	East sidewall after over-excavation, four feet to the east, and sample taken @ 9 ft bgl	NWTPH-Gx BTEX	< 2 ppm BC
* 62111-WSW-10'	West sidewall @ 10 ft bgl, after over-excavation of 4-5 feet to the west	NWTPH-Gx BTEX	6.2 ppm BC
62111-below tank- 8	Below the tank on the north end of the excavation @ 8 ft bgl	NWTPH-Gx BTEX Pb	1,400 ppm BTEX all above cleanup 6.24 ppm

Note: Current MTCA cleanup level for gasoline in soil is 100 ppm or 30 ppm if benzene is present.
Cleanup levels for BTEX as follows: B=0.03 ppm, T=7 ppm, E= 6 ppm, X=9 ppm.
Cleanup level for lead is 250 ppm.

WTPH = Washington Total Petroleum Hydrocarbon
Gx = Gasoline
BTEX = Benzene, toluene, ethyl-benzene, xylene (gasoline additives)
Pb = Lead

TABLE B

Final Confirmational Soil and Water Sampling Analytical Results

SAMPLE NUMBER	LOCATION	ANALYSIS	RESULTS
70511-BNOVX-12	Bottom of excavation after over-excavation of soils on the north end of the excavation, 12 ft bgl	NWTPH-Gx BTEX	< 2 ppm BC
70511-BCOVX-12	Bottom of excavation after over-excavation in the center of the excavation, 12 ft bgl	NWTPH-Gx BTEX	< 2 ppm BC
70511-BBSOVX-12.5	Bottom of the excavation after over-excavtion on the south end of the excavation, 12-1/2 ft bgl	NWTPH-Gx BTEX	< 2 ppm BC
70511-H2O	Grab water sample from the excavation	NWTPH-Gx BTEX	< 110 ppb B = < 1 ppb T = < 1ppb E = < 1 ppb X = < 1 ppb

Note: Current MTCA cleanup level for gasoline in soil is 100 ppm or 30 ppm if benzene is present.
Cleanup levels for BTEX as follows B=0.03 ppm, T=7 ppm, E= 6 ppm, X=9 ppm
Cleanup level for lead is 250 ppm,

Current cleanup level for gasoline in water is 1,000 ppb or 800 ppb if benzene is present. Cleanup Level for BTEX as follows:
B=5ppb, T=1,000ppb, E=700 ppb, X=1,000 ppb.

WTPH = Washington Total Petroleum Hydrocarbon
Gx = Gasoline
BTEX = Benzene, toluene, ethyl-benzene, xylene (gasoline additives)
ppm = Parts per million (soil)
ppb = Parts per billion (water)
Pb = Lead
BC = Below cleanup

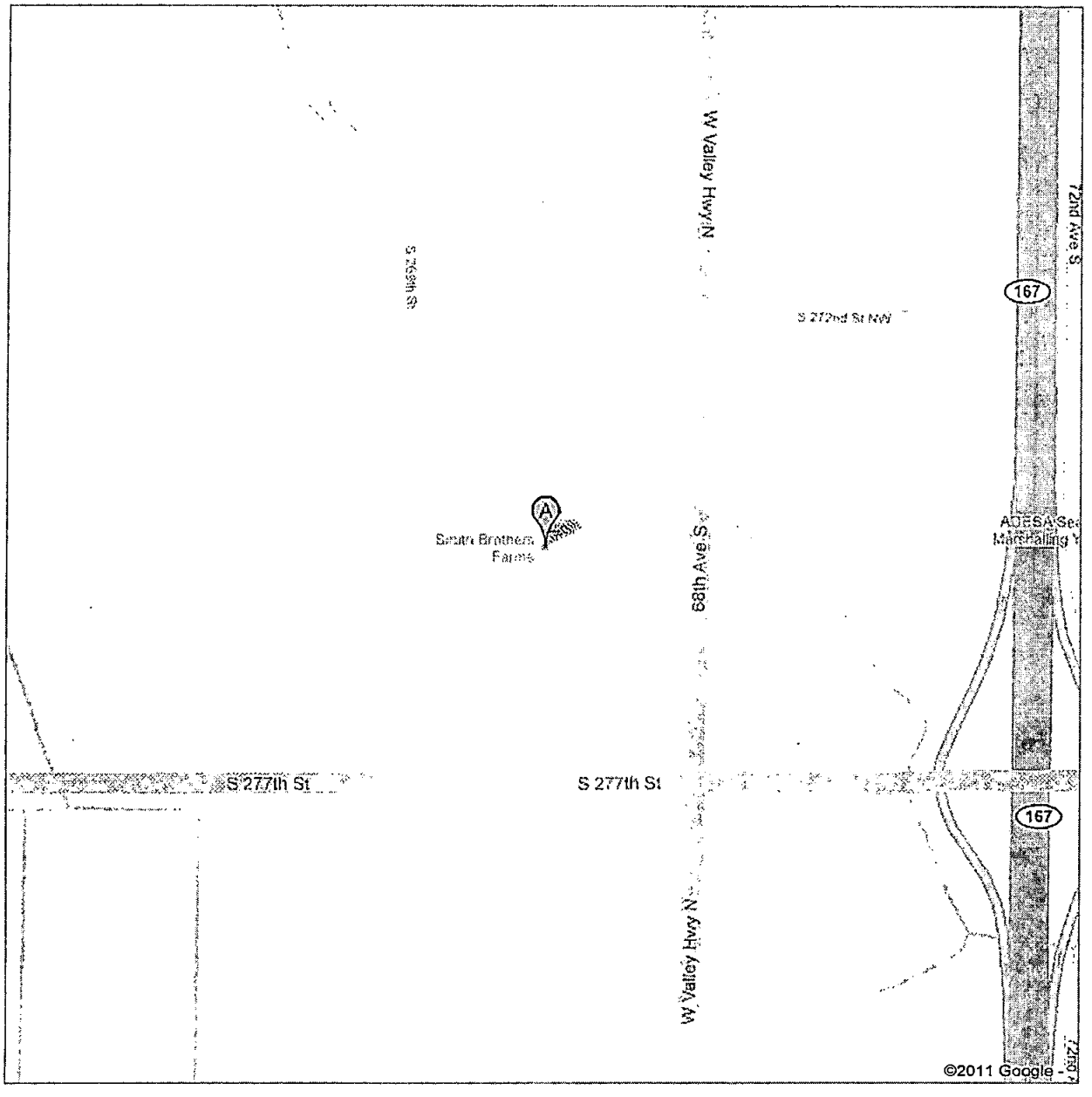
APPENDIX A

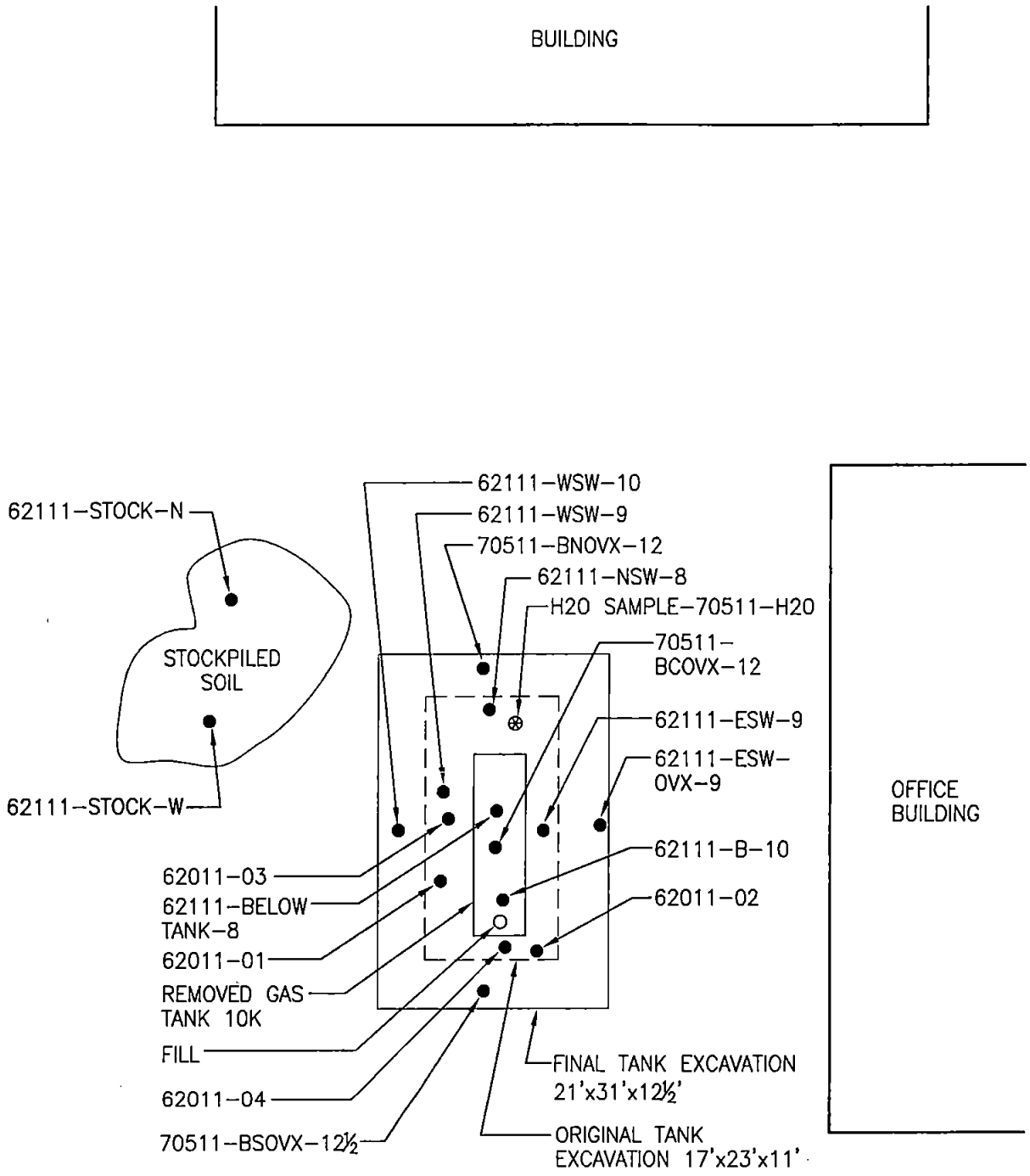
SITE MAP

SITE SKETCH

SITE PHOTOGRAPHS

Google maps Address **27441 68th Ave S**
Kent, WA 98032





● – SOIL SAMPLE LOCATION

SMITH BROTHERS FARMS
27441 68th AVENUE SOUTH
KENT, WA 98032

DLH Environmental Consulting

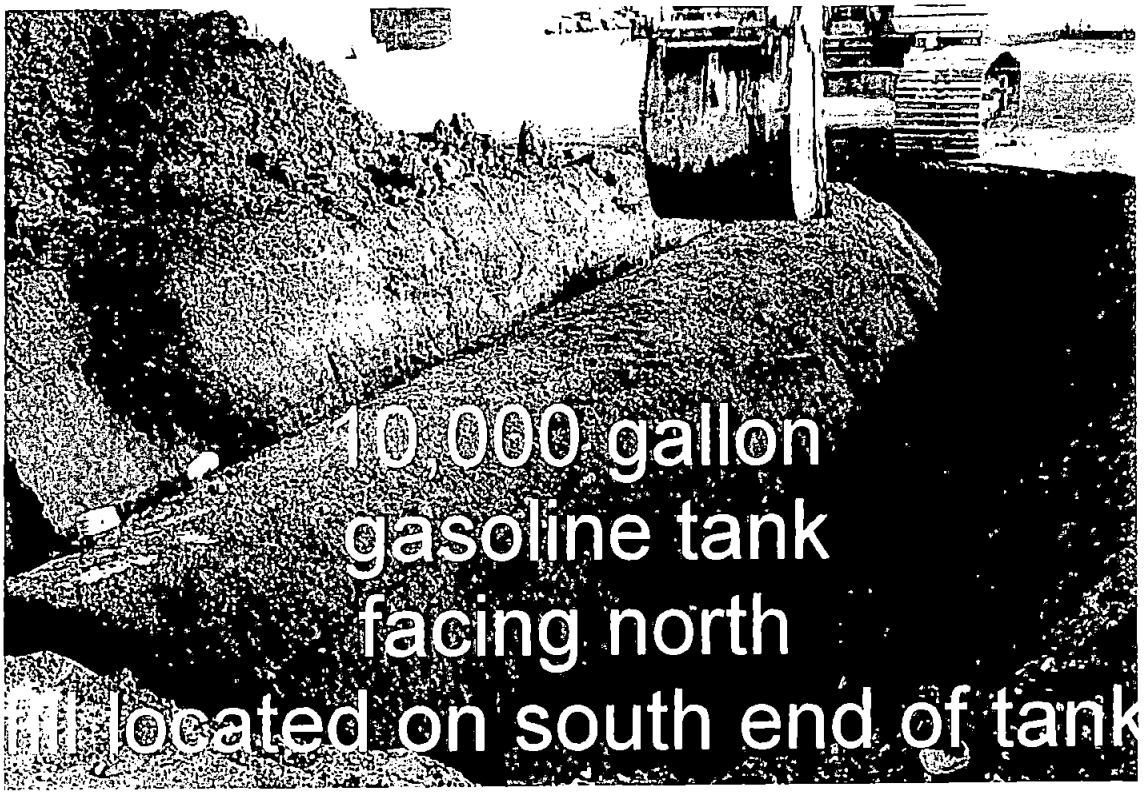
NOT TO SCALE

7/5/11

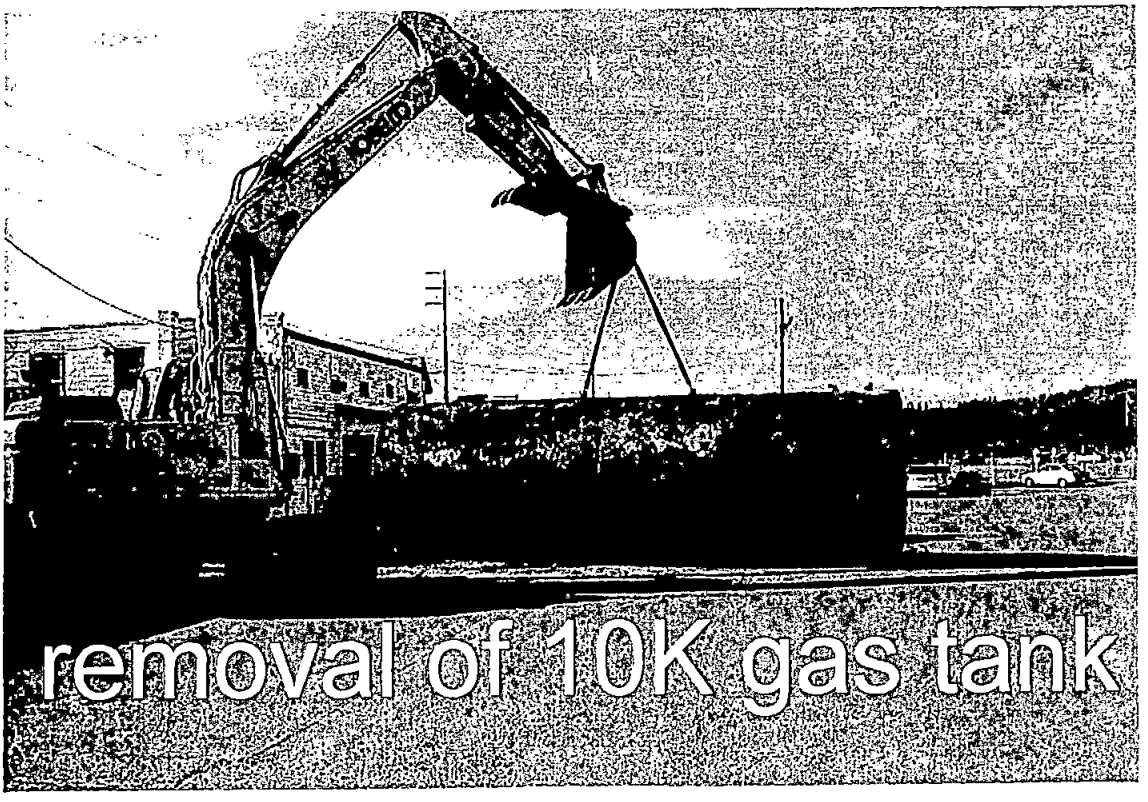
North

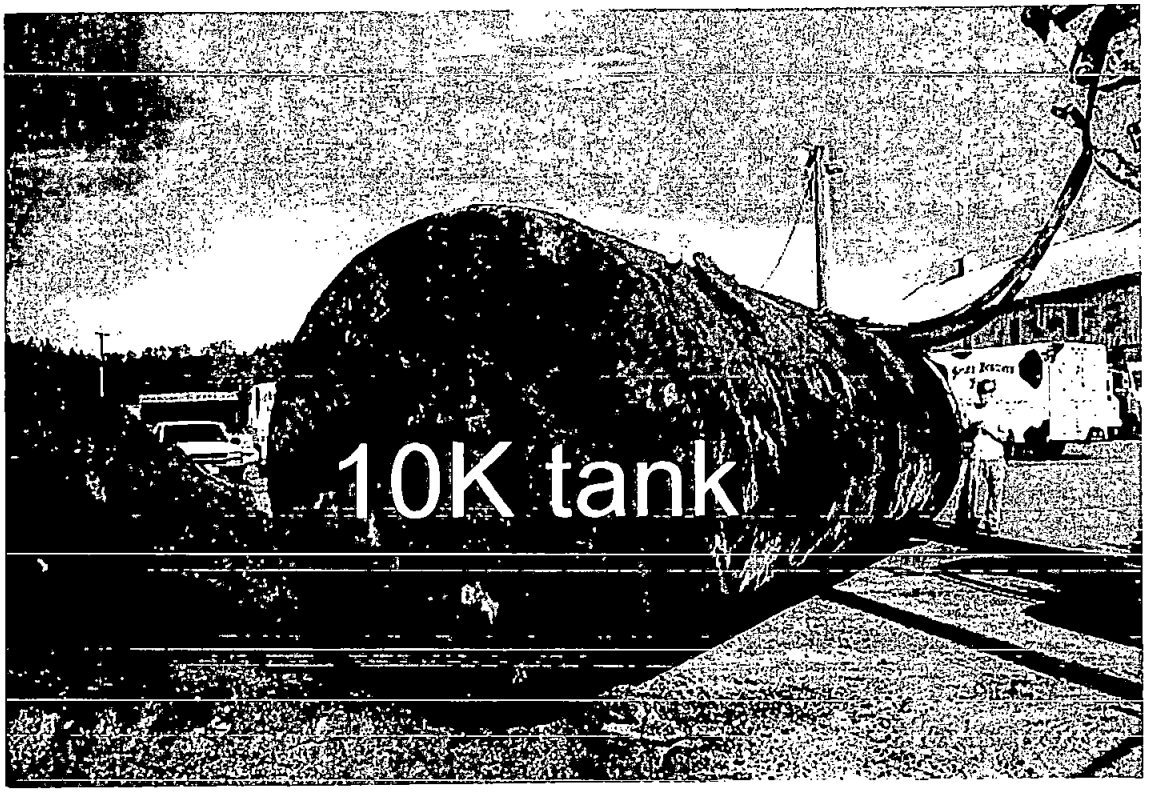
Smith Brothers tank removal

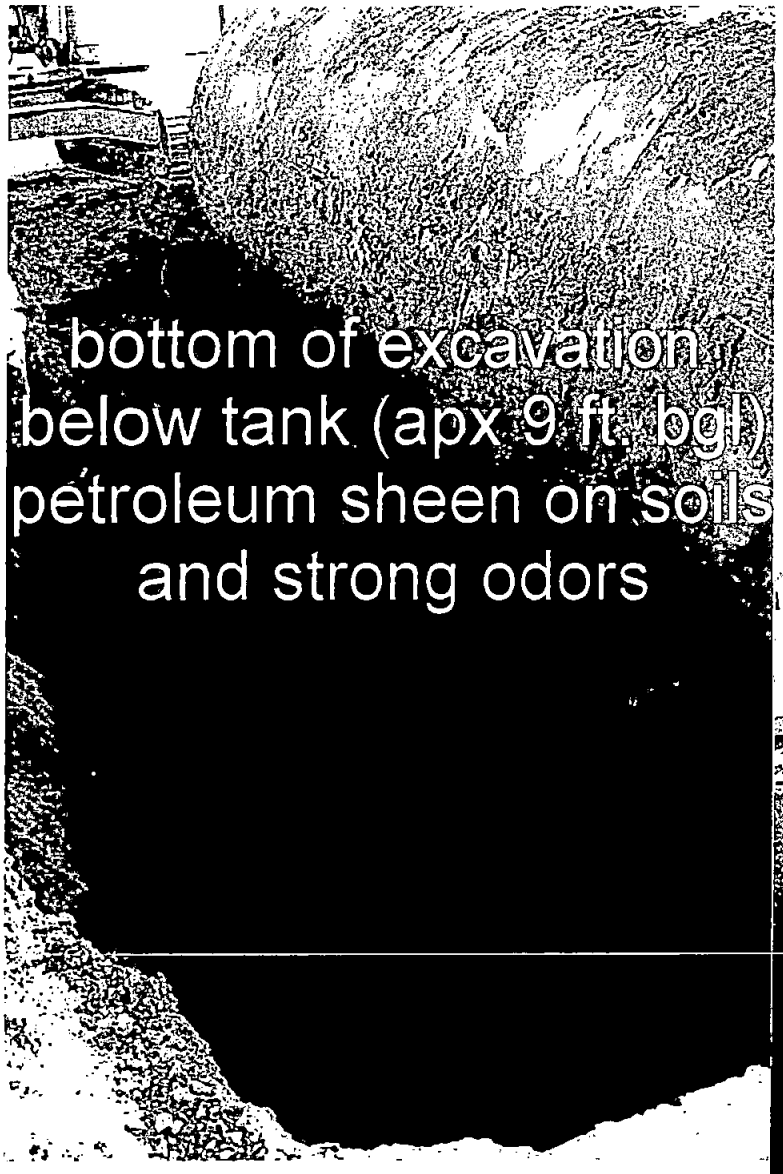
Impacated soil underneath the concrete pad west of tank


10,000 gallon
gasoline tank
facing north
fill located on south end of tank

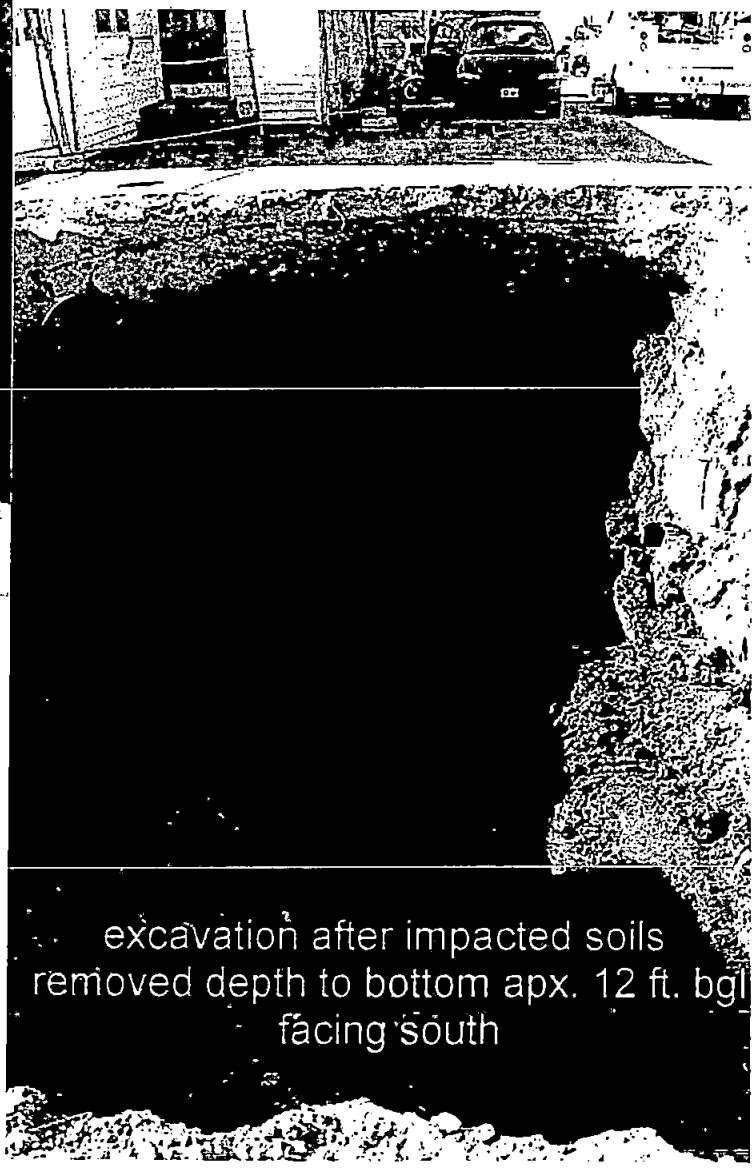

KOBELCO
tank removal facing south


removal of 10K gas tank

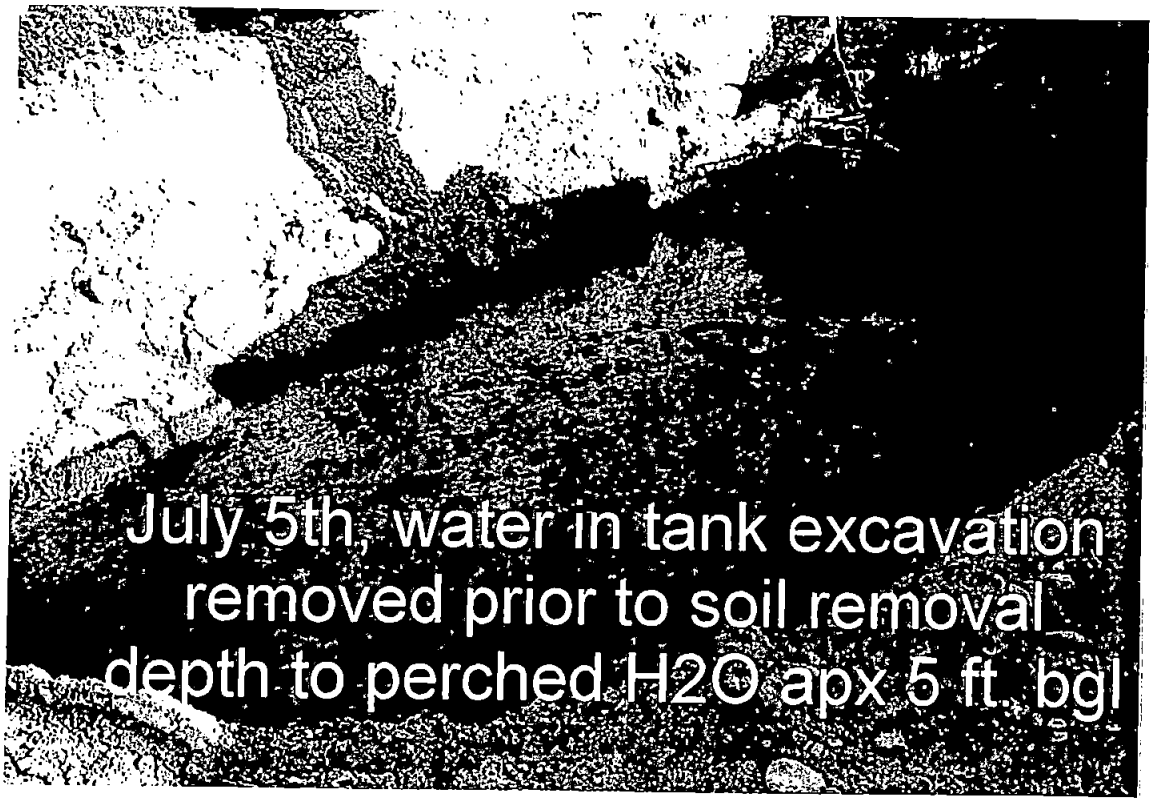

10K tank



bottom of excavation below tank (apx 9 ft. bgl) petroleum sheen on soils and strong odors



excavation after impacted soils removed depth to bottom apx. 12 ft. bgl facing south


July 5th, water in tank excavation
removed prior to soil removal
depth to perched H2O apx 5 ft. bgl


excavated petroleum impacted soils

APPENDIX B

WDOE 30-DAY NOTICE AND TANK REMOVAL PERMITS

WASHINGTON STATE DEPARTMENT OF ECOLOGY

UNDERGROUND STORAGE TANK
30 DAY NOTICE

See back of form for instructions

Please ✓ the appropriate box: ☐ Intent to Install ☒ Intent to Close ☐ Both

FOR OFFICE USE ONLY
Site ID #: _____
FS ID #: _____

Site Information

UBI Number 173-002-203

Site/Business Name Smith Bros. Farms

Site Address 2744-68th Ave S

City/State Kent, WA

Zip Code 98032 Telephone (253) 852-1100

Contact: Craig Koester

Owner Information
(This form will be returned to this address)

UST Owner/Operator Same as Site

Mailing Address _____ Street

_____ P.O. Box

City/State _____

Zip Code _____ Telephone (___) _____

Tank Installation Company (if known). Fill out this section ONLY if tanks are being installed.

Service Company _____ Contact Name _____

Address _____ Street P.O. Box

_____ City State Zip Code Telephone (___) _____

Tank Permanent Closure Company (if known). Fill out this section ONLY if tanks are being closed.

Service Company Pacific Environmental Contact Name Tom Carroll

Address 5585-Hiway 20 2049 Street P.O. Box

Port Townsend WA 98368 City State Zip Code Telephone (360) 385-4224

Tank Closure Information
Fill out this section ONLY if tanks are being closed.

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
1	5/16/11	10K	Gasoline	Inuse	yes	

Tank Installation Information
Fill out this section ONLY if tanks are being installed.

Tank ID	Approx. Install Date

KENT
WASHINGTON

PERMIT

Check permit status "online" at
www.ci.kent.wa.us/permitcenter

Permit #: CNST-2111066 IVR #: 141196

Project:

Permit Name: SMITH BROTHERS FARMS - TANK REMOVAL APN: 3522049001

Site Address: 27441 68 AVE S KENT, WA 98032

Special Instructions (Continued)

Inspector to apply additional requirements that are necessary to ensure a fully code compliant project.

1. There are to be no changes or deviations to the approved plans without the notification and approval of the Kent Fire Marshal. Approved plans are to be on site during construction and installation.

2. Call 253-856-4400 for fire inspection at least one business day before needed. Refer to permit # above.

3. Inspections Required:
" Product Removal #3606
" Piping Disconnect/Removal #3607
" Tank Pull #3600
" Tank Purge/Cap #3609
" Fire Final #3000

CONSTRUCTION CONTRACTOR

Name: PACIFIC ENVIRONMENTAL SRVCS CO **License:** PACIFES103BR
Address: 8585 HWY 20 **Phone:** 360-385-4221
PORT TOWNSEND, WA 98368

Issued By: Permit Center Manager Date: 02-MAY-11 Expiration Date: 29-OCT-11

PERMIT

Check permit status "online" at
www.ci.kent.wa.us/permitcenter

Permit #: CNST-2111066 IVR #: 141196

Project:

Permit Name: SMITH BROTHERS FARMS - TANK REMOVAL APN: 3522049001

Site Address: 27441 68 AVE S KENT, WA 98032

OWNER ON APPLICATION

Name: SMITH BROTHERS FARMS INC Phone: 253-852-1000

Address: 27441 68 AVE S E-mail:
KENT, WA 98032

TYPE OF CONSTRUCTION	Stories		Bedrooms		Units	
	Square Feet		Valuation			
	Zone District	A-G				
	Code Edition	1997				

Scope of Work

TANK REMOVAL
REMOVE 10,000 GALLON UNDERGROUND GASOLINE TANK ON PROPERTY.

Conditions

EASEMENTS
It is the owner/applicant's responsibility to check for any public or private easements of record for the property on which this permit is issued. It is the owner/applicant's responsibility to verify that the proposed work to be constructed under this permit is not over or upon the Public Right-of-way or any easement of record.

Special Instructions

The following instructions are from BRUCE VERHEI of the Plans Review division and can be reached by calling (253)856-4410.

- Noted was the plan to remove a 10,000 Gallon UGST for the storage of unleaded motor vehicle fuel. The tank is to be pumped out, and removed, transported, and disposed of in accordance with the International Fire Code.

The following actions must be completed:
1. Liquids shall be removed from the tank and connected piping,
2. Piping at tank openings shall be disconnected,
3. Piping shall be removed from the ground or safeguarded in place with approval,
4. Tank openings shall be capped or plugged, leaving a 0.125-inch to 0.25-inch-diameter opening for pressure equalization,
5. Tanks shall be purged of vapor and inserted prior to removal,
6. Tanks shall be disposed of in accordance with federal, state and local regulations.
7. Electrical supply to be remove at electrical panel.

The depression shall be immediately filled to the nearby finished grade. When this is not practical, the area shall have a perimeter fence erected to restrict access to the depression until it is filled.

The following conditions and information are provided to increase the success of the project and by no means restrict the ability of the Fire Department Construction

JOBCARD

Permit #: CNST-2111066 **IVR #: 141196**

Project: SMITH BROTHERS FARMS - TANK REMOVAL

Site Address: 27441 68 AVE S

Building Inspection Requests: (253) 856-5427

TDD: (253) 813-2068
Fire Inspections: (253) 856-4400

One working day notice required for inspections

Contractor

Name: PACIFIC ENVIRONMENTAL SRVCS CO
Address: 8585 HWY 20
PORT TOWNSEND, WA 98368
Phone: 360-385-4221
State License: PACIFES103BR

Permit Items

Type(s) of Construction

Occupancy Group(s)

Scope of Work

TANK REMOVAL
REMOVE 10,000 GALLON UNDERGROUND GASOLINE TANK ON PROPERTY.

Inspection Approvals

1. DO NOT COVER WORK until it is inspected, approved and signed below.

INSPECTIONS	DATE	BY	INSPECTIONS	DATE	BY	INSPECTIONS	DATE	BY
Footings			Gas Test			Rough Framing		
Stem Walls			Gas Piping			Insulation		
Under-Floor			Water Service					
UG Plumbing			Pre-Roof					
Rough Plumbing			Roof Nailing					
Rough Mechanical			Exterior Sheathing					
Vapor Barrier			Gypsum Wallboard					
Pre-Construction			Ceiling Grid					

2. FIRE INSPECTIONS / Do not call for Fire Alarm System until electrical is approved.

INSPECTIONS	DATE	BY	INSPECTIONS	DATE	BY	INSPECTIONS	DATE	BY
UG Thrust Blocks			Yard Hydrant					
UG Hydro			OH Sprinklers					
UG Flush			Monitoring					
Fire Alarm System								

3. FINAL INSPECTIONS

INSPECTIONS	DATE	BY	INSPECTIONS	DATE	BY	INSPECTIONS	DATE	BY
Final Building			Final Fire			Final Plumbing		
Final Planning			Final Mechanical			Final Public Works		

SOUND TESTING, INC
P.O. BOX 16204 SEATTLE, WA 98116
(206) 932-0206 FAX (206) 937-3848

MARINE CHEMIST CERTIFICATE

SERIAL № 45718

PACIFIC ENVIRONMENTAL — Survey Requested by
Vessel Owner or Agent
JUNE 21 2011 — Date

SMITH BROTHERS DAIRY — Vessel
GASOLINE TANK — Type of Vessel
2740 68th AVE S — Specific Location of Vessel

GASOLINE — Last Three (3) Loadings
O_2, LEL — Tests Performed
7 AM — Time Survey Completed

SMITH BROS UNDERGROUND STORAGE TANK
- INERT (O_2 < 6%)
- MAY BE SAFELY EXCAVATED
- MAY BE SAFELY TRANSPORTED ON PUBLIC HIGHWAYS
- PLEASE TAKE CARE TO SEAL SECURELY ALL OPENINGS BEFORE LOADING AND TRANSPORT

In the event of any physical or atmospheric changes adversely affecting the gas-free condition of the above spaces, or if in any doubt, immediately stop all work and contact the undersigned Marine Chemist.

QUALIFICATIONS: Transfer of ballast or manipulation of valves or closure equipment tending to alter conditions in pipe lines, tanks or compartments subject to gas accumulation, unless specifically approved in this Certificate, requires inspection and endorsement or reissue of Certificate for the spaces so affected. All lines, vents, heating coils, valves, and similarly enclosed appurtenances shall be considered "not safe" unless otherwise specifically designated.

STANDARD SAFETY DESIGNATIONS

SAFE FOR WORKERS Means that in the compartment or space so designated (a) the oxygen content of the atmosphere is at least 19.5 percent by volume, and that, (b) toxic materials in the atmosphere are within permissible concentrations, and that, (c) the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Marine Chemist's Certificate

NOT SAFE FOR WORKERS Means that in the compartment or space so designated, the requirements of Safe for Workers has not been met.

SAFE FOR HOT WORK: Means that in the compartment so designated: (a) oxygen content of the atmosphere is at least 19.5 percent by volume, with the exception of inerted spaces or where external hot work is to be performed; and that, (b) the concentration of flammable materials in the atmosphere is below 10 percent of the lower flammable limit; and that, (c) the residues are not capable of producing a higher concentration than permitted by (b) above under existing atmospheric conditions in the presence of fire, and while maintained as directed on the Marine Chemist's Certificate; and further, that, (d) all adjacent spaces have been cleaned sufficiently to prevent the spread of fire, or are satisfactorily inerted, or, in the case of fuel tanks, or lube oil tanks, or engine room or fire room bilges, have been treated in accordance with the Marine Chemist's requirements.

NOT SAFE FOR HOT WORK Means that in the compartment so designated, the requirements of Safe for Hot Work have not been met

CHEMIST'S ENDORSEMENT This is to certify that I have personally determined that all spaces in the foregoing list are in accordance with NFPA 306 Control of Gas Hazards on Vessels and have found the condition of each to be in accordance with its assigned designation.

"The undersigned acknowledges receipt of this Certificate under Section 2-6 of NFPA 306 and understands conditions and limitations under which it was issued."

This Certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

Signed ____________ Name ____________ Company ____________ Date

Signed [signature] Marine Chemist [illegible] Certificate No.

VESSEL POSTING

APPENDIX C

LABORATORY REPORTS

CHAIN OF CUSTODY FORMS

MTCA CLEANUP TABLES

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

June 23, 2011

Donna Hewitt, Project Manager
DLH Environmental Consulting
2400 NW 80th St., 114
Seattle, WA 98117-4449

Dear Ms. Hewitt:

Included are the results from the testing of material submitted on June 20, 2011 from the 62011, F&BI 106273 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
DLH0623R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on June 20, 2011 by Friedman & Bruya, Inc. from the DLH Environmental Consulting 62011 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	DLH Environmental Consulting
106273-01	62011-01
106273-02	62011-02
106273-03	62011-03
106273-04	62011-04

All quality control requirements were acceptable.

Date of Report: 06/23/11
Date Received: 06/20/11
Project: 62011, F&BI 106273
Date Extracted: 06/20/11
Date Analyzed: 06/20/11

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-132)
62011-01 106273-01	<0.02	0.17	0.12	1.8	69	111
62011-02 106273-02	<0.02	<0.02	<0.02	<0.06	4.6	102
62011-03 106273-03 1/5	<0.1	<0.1	4.9	4.5	950	122
62011-04 106273-04	<0.02	<0.02	<0.02	<0.06	2.6	100
Method Blank 01-1111 MB	<0.02	<0.02	<0.02	<0.06	<2	100

Date of Report: 06/23/11
Date Received: 06/20/11
Project: 62011, F&BI 106273

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 106256-03 (Duplicate)

Analyte	Reporting Units	(Wet Wt) Sample Result	(Wet Wt) Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	mg/kg (ppm)	0.03	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	8 a	12	40 a

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	90	66-121
Toluene	mg/kg (ppm)	0.5	90	72-128
Ethylbenzene	mg/kg (ppm)	0.5	90	69-132
Xylenes	mg/kg (ppm)	1.5	88	69-131
Gasoline	mg/kg (ppm)	20	100	61-153

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

106273

SAMPLE CHAIN OF CUSTODY

ME 06-20-11 VS 1

Page # 1 of 1

Send Report To Donna Hewitt

Company DLH Environmental Consulting
2400 NW 80th St
PMB #114
Seattle, WA 98117

Address

City, State, ZIP

Phone # 206-632-3123 Fax # dlhenvironmental@Aol.com

SAMPLERS (signature)

PROJECT NAME/NO.

PO #

REMARKS

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☒ RUSH 24 HR

Rush charges authorized by:

SAMPLE DISPOSAL
- ☒ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS						Notes
						ANALYSES REQUESTED											
62011-01	01 A-D	6/20/11	8:42A	Soil	4		X	X									below Slab
62011-02	02		10:10				X	X									@4'
62011-03	03		10:12				X	X									worst case 4'-5'
62011-04	04		10:13				X	X									@9' below tank

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

FORMS\COC\COC.DOC

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Donna Hewitt	DLH	6/20/11	
Received by:		DD	F+BI	11	11:20
Relinquished by:					
Received by:					

Samples received at 26 °C

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

June 24, 2011

Donna Hewitt, Project Manager
DLH Environmental Consulting
2400 NW 80th St., 114
Seattle, WA 98117-4449

Dear Ms. Hewitt:

Included are the results from the testing of material submitted on June 21, 2011 from the Smith Brothers, F&BI 106293 project. There are 7 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
DLH0624R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on June 21, 2011 by Friedman & Bruya, Inc. from the DLH Environmental Consulting Smith Brothers, F&BI 106293 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	DLH Environmental Consulting
106293-01	62111-WSW-9
106293-02	62111-Stock W
106293-03	62111-Stock N
106293-04	62111-B-10'
106293-05	62111-NSW-8'
106293-06	62111-ESW-9'
106293-07	62111-ESW-OVX-9
106293-08	62111-WSW-10'
106293-09	62111-below tank-8

All quality control requirements were acceptable.

Date of Report: 06/24/11
Date Received: 06/21/11
Project: Smith Brothers, F&BI 106293
Date Extracted: 06/21/11
Date Analyzed: 06/21/11 and 06/22/11

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-132)
62111-WSW-9 106293-01	<0.02	<0.02	<0.02	<0.06	3.4	100
62111-Stock W 106293-02	0.26	<0.02	1.4	3.0	24	107
62111-Stock N 106293-03 1/20	<0.4	<0.4	2.2	17	330	102
62111-B-10' 106293-04	<0.02	<0.02	<0.02	<0.06	5.8	99
62111-NSW-8' 106293-05	<0.02	<0.02	<0.02	<0.06	5.0	98
62111-ESW-9' 106293-06	<0.02	0.022	0.38	0.38	88	107
62111-ESW-OVX-9 106293-07	<0.02	<0.02	<0.02	<0.06	<2	101
62111-WSW-10' 106293-08	<0.02	<0.02	<0.02	<0.06	6.2	98
62111-below tank-8 106293-09 1/10	0.54	21	20	140 ve	1,400	101
Method Blank 01-1120 MB	<0.02	<0.02	<0.02	<0.06	<2	102

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	62111-below tank-8	Client:	DLH Environmental Consulting
Date Received:	06/21/11	Project:	Smith Brothers, F&BI 106293
Date Extracted:	06/21/11	Lab ID:	106293-09
Date Analyzed:	06/21/11	Data File:	106293-09.031
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	90	60	125

Analyte:	Concentration mg/kg (ppm)
Lead	6.24

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	DLH Environmental Consulting
Date Received:	NA	Project:	Smith Brothers, F&BI 106293
Date Extracted:	06/21/11	Lab ID:	I1-419 mb
Date Analyzed:	06/21/11	Data File:	I1-419 mb.029
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	88	60	125

Analyte:	Concentration mg/kg (ppm)
Lead	<1

Date of Report: 06/24/11
Date Received: 06/21/11
Project: Smith Brothers, F&BI 106293

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 106293-01 (Duplicate)

Analyte	Reporting Units	(Wet Wt) Sample Result	(Wet Wt) Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	3	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	85	66-121
Toluene	mg/kg (ppm)	0.5	86	72-128
Ethylbenzene	mg/kg (ppm)	0.5	86	69-132
Xylenes	mg/kg (ppm)	1.5	84	69-131
Gasoline	mg/kg (ppm)	20	90	61-153

Date of Report: 06/24/11
Date Received: 06/21/11
Project: Smith Brothers, F&BI 106293

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TOTAL METALS USING EPA METHOD 200.8

Laboratory Code: 106285-24 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Lead	mg/kg (ppm)	50	17.7	101 b	100 b	65-126	1 b

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	mg/kg (ppm)	50	112	81-120

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

106293

SAMPLE CHAIN OF CUSTODY

ME 06/21/11 VSL/ AT/

Page # 1 of

Send Report To Donna Hewitt

Company DLH Environmental Consulting

Address 2400 NW 80th St PMB #114

City, State, ZIP Seattle, WA 98117

Phone # 206-632-3123 Fax # dlhenvironmental@aol.com

SAMPLERS (signature)

PROJECT NAME/NO. Smith Brothers

PO #

REMARKS

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☒ RUSH 24 HR
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☒ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS	PB					Notes
62111-WSW-9	01 A-D	6/21/11	7:25	Soil	4		X	X									
-Stock W	02		7:30				X	X									
-Stock N	03		7:54				X	X									
- B-10'	04		9:00				X	X									
- NSW-8'	05		9:08				X	X									
- ESW-9'	06		9:25				X	X									
- ESW-OVX-9	07		9:29				X	X									
- WSW-10'	08		10:02				X	X									
* - below tank	8 09 A-E		10:11		5		X	X				X					
~~Rush 24 HR~~																	

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Donna Hewitt	DLH	6/21/11	1150
Received by:	Nhan Phan	FEBI	6/21/11	1150
Relinquished by:				
Received by:				

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

FORMS\COC\COC.DOC

Samples received at 22 °C

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

July 7, 2011

Donna Hewitt, Project Manager
DLH Environmental Consulting
2400 NW 80th St., 114
Seattle, WA 98117-4449

Dear Ms. Hewitt:

Included are the results from the testing of material submitted on July 5, 2011 from the Smith Brothers, F&BI 107025 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
DLH0707R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on July 5, 2011 by Friedman & Bruya, Inc. from the DLH Environmental Consulting Smith Brothers, F&BI 107025 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	DLH Environmental Consulting
107025-01	70511-BNOVX-12
107025-02	70511-BCOVX-12
107025-03	70511-BBSOVX-12.5

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/07/11
Date Received: 07/05/11
Project: Smith Brothers, F&BI 107025
Date Extracted: 07/05/11
Date Analyzed: 07/05/11

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-132)
70511-BNOVX-12 107025-01	<0.02	<0.02	<0.02	<0.06	<2	102
70511-BCOVX-12 107025-02	<0.02	<0.02	<0.02	<0.06	<2	102
70511-BBSOVX-12.5 107025-03	<0.02	<0.02	<0.02	<0.06	<2	101
Method Blank 01-1205 MB	<0.02	<0.02	<0.02	<0.06	<2	102

Date of Report: 07/07/11
Date Received: 07/05/11
Project: Smith Brothers, F&BI 107025

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 107025-01 (Duplicate)

Analyte	Reporting Units	(Wet Wt) Sample Result	(Wet Wt) Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	93	66-121
Toluene	mg/kg (ppm)	0.5	124	72-128
Ethylbenzene	mg/kg (ppm)	0.5	103	69-132
Xylenes	mg/kg (ppm)	1.5	102	69-131
Gasoline	mg/kg (ppm)	20	105	61-153

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

107685 ME 07-05-11 V 01

SAMPLE CHAIN OF CUSTODY

Page # 1 of

Send Report To: Donna Hewitt

Company: DLH Environmental Consulting

Address: 2400 NW 80th St PMB #114 Seattle, WA 98117

City, State, ZIP:

Phone # 206-632-3123 Fax # dlhenvironmental@aol.com

SAMPLERS (signature):

PROJECT NAME/NO.: Smith brothers –

PO #:

REMARKS:

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☒ RUSH 24 HR

Rush charges authorized by:

SAMPLE DISPOSAL
- ☒ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS						Notes
~~70511-B20~~		~~7/5/11~~	~~8:05~~	~~Soil~~	~~4~~		~~X~~	~~X~~									
70511-BNOVX-12	01A-D	7/5/11	8:38	Soil	4		X	X									
70511-BCONX-12	02A-D	↓	8:54	↓	↓		X	X									
70511-BSOVX-12	03A-D	↓	9:08	↓	↓		X	X									

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Donna Hewitt	DLH	7/5/11	1000
Received by:	James Bruya	F&B	7/6/11	1000
Relinquished by:				
Received by:		Samples rece	22	°C

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

July 7, 2011

Donna Hewitt, Project Manager
DLH Environmental Consulting
2400 NW 80th St., 114
Seattle, WA 98117-4449

Dear Ms. Hewitt:

Included are the results from the testing of material submitted on July 5, 2011 from the Smith Brothers, F&BI 107026 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
DLH0707R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on July 5, 2011 by Friedman & Bruya, Inc. from the DLH Environmental Consulting Smith Brothers, F&BI 107026 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	DLH Environmental Consulting
107026-01	70511-H2O

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/07/11
Date Received: 07/05/11
Project: Smith Brothers, F&BI 107026
Date Extracted: 07/05/11
Date Analyzed: 07/05/11

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
70511-H2O 107026-01	<1	<1	<1	<3	<100	104
Method Blank 01-1203 MB	<1	<1	<1	<3	<100	103

Date of Report: 07/07/11
Date Received: 07/05/11
Project: Smith Brothers, F&BI 107026

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 107018-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	ug/L (ppb)	<1	<1	nm
Toluene	ug/L (ppb)	<1	<1	nm
Ethylbenzene	ug/L (ppb)	<1	<1	nm
Xylenes	ug/L (ppb)	<3	<3	nm
Gasoline	ug/L (ppb)	<100	<100	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	ug/L (ppb)	50	90	72-119
Toluene	ug/L (ppb)	50	90	71-113
Ethylbenzene	ug/L (ppb)	50	93	72-114
Xylenes	ug/L (ppb)	150	88	72-113
Gasoline	ug/L (ppb)	1,000	73	70-119

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

SAMPLE CHAIN OF CUSTODY

Send Report To: Donna Hewitt
Company: DLH
Address: 2400 NW 80th St #114
City, State, ZIP: Seattle, WA 98117
Phone #: 206-632-3123 Fax #:

SAMPLERS (signature):
PROJECT NAME/NO.: Smith brothers
PO #:
REMARKS: dlhenvironmental@aol.com

Page # ___ of ___

TURNAROUND TIME
- [x] Standard (2 Weeks)
- [ ] RUSH
Rush charges authorized by:

SAMPLE DISPOSAL
- [x] Dispose after 30 days
- [ ] Return samples
- [ ] Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS							Notes
7051 - H20	7/5/11 01-A-D	8:08		H20	4		X	X										

ANALYSES REQUESTED

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

FORMS\COC\COC.DOC

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Donna Hewitt	DLH	7/5/11	1000
Received by:		James Bruya	F&B	7/6/11	1000
Relinquished by:					
Received by:			Samples received at 19 °C		

WAC 173-340-900 Tables.

Table 720-1
Method A Cleanup Levels for Ground Water.[a]

Hazardous Substance	CAS Number	Cleanup Level
Arsenic	7440-38-2	5 ug/liter[b]
Benzene	71-43-2	5 ug/liter[c]
Benzo(a)pyrene	50-32-8	0.1 ug/liter[d]
Cadmium	7440-43-9	5 ug/liter[e]
Chromium (Total)	7440-47-3	50 ug/liter[f]
DDT	50-29-3	0.3 ug/liter[g]
1,2 Dichloroethane (EDC)	107-06-2	5 ug/liter[h]
Ethylbenzene	100-41-4	700 ug/liter[i]
Ethylene dibromide (EDB)	106-93-4	0.01 ug/liter[j]
Gross Alpha Particle Activity		15 pCi/liter[k]
Gross Beta Particle Activity		4 mrem/yr[l]
Lead	7439-92-1	15 ug/liter[m]
Lindane	58-89-9	0.2 ug/liter[n]
Methylene chloride	75-09-2	5 ug/liter[o]
Mercury	7439-97-6	2 ug/liter[p]
MTBE	1634-04-4	20 ug/liter[q]
Naphthalenes	91-20-3	160 ug/liter[r]
PAHs (carcinogenic)		See benzo(a)pyrene[d]
PCB mixtures		0.1 ug/liter[s]
Radium 226 and 228		5 pCi/liter[t]
Radium 226		3 pCi/liter[u]
Tetrachloroethylene	127-18-4	5 ug/liter[v]
Toluene	108-88-3	1,000 ug/liter[w]
Total Petroleum Hydrocarbons[x]		
[Note: Must also test for and meet cleanup levels for other petroleum components–see footnotes!]		
Gasoline Range Organics		
Benzene present in ground water		800 ug/liter
No detectable benzene in ground water		1,000 ug/liter
Diesel Range Organics		500 ug/liter
Heavy Oils		500 ug/liter
Mineral Oil		500 ug/liter
1,1,1 Trichloroethane	71-55-6	200 ug/liter[y]
Trichloroethylene	79-01-6	5 ug/liter[z]
Vinyl chloride	75-01-4	0.2 ug/liter[aa]
Xylenes	1330-20-7	1,000 ug/liter[bb]

Footnotes:

a **Caution on misusing this table.** This table has been developed for specific purposes. It is intended to provide conservative cleanup levels for drinking water beneficial uses at sites undergoing routine cleanup actions or those sites with relatively few hazardous substances. This table may not be appropriate for defining cleanup levels at other sites. For these reasons, the values in this table should not automatically be used to define cleanup levels that must be met for financial, real estate, insurance coverage or placement, or similar transactions or purposes. Exceedances of the values in this table do not necessarily mean the ground water must be restored to those levels at all sites. The level of restoration depends on the remedy selected under WAC 173-340-350 through 173-340-390.

b **Arsenic.** Cleanup level based on background concentrations for state of Washington.

c **Benzene.** Cleanup level based on applicable state and federal law (WAC 246-290-310 and 40 C.F.R. 141.61).

d **Benzo(a)pyrene.** Cleanup level based on applicable state and federal law (WAC 246-290-310 and 40 C.F.R. 141.61), adjusted to a 1×10^{-5} risk. If other carcinogenic PAHs are suspected of being present at the site, test for them and use this value as the total concentration that all carcinogenic PAHs must meet using the toxicity equivalency methodology in WAC 173-340-708(8).

e **Cadmium.** Cleanup level based on applicable state and federal law (WAC 246-290-310 and 40 C.F.R. 141.62).

f **Chromium (Total).** Cleanup level based on concentration derived using Equation 720-1 for hexavalent chromium. This is a total value for chromium III and chromium VI. If just chromium III is present at the site, a cleanup level of 100 ug/l may be used (based on WAC 246-290-310 and 40 C.F.R. 141.62).

g **DDT (dichlorodiphenyltrichloroethane).** Cleanup levels based on concentration derived using Equation 720-2.

h **1,2 Dichloroethane (ethylene dichloride or EDC).** Cleanup level based on applicable state and federal law (WAC 246-290-310 and 40 C.F.R. 141.61).

i **Ethylbenzene.** Cleanup level based on applicable state and federal law (WAC 246-290-310 and 40 C.F.R. 141.61).

j **Ethylene dibromide (1,2 dibromoethane or EDB).** Cleanup level based on concentration derived using Equation 720-2, adjusted for the practical quantitation limit.

k **Gross Alpha Particle Activity, excluding uranium.** Cleanup level based on applicable state and federal law (WAC 246-290-310 and 40 C.F.R. 141.15).

l **Gross Beta Particle Activity, including gamma activity.** Cleanup level based on applicable state and federal law (WAC 246-290-310 and 40 C.F.R. 141.15).

m **Lead.** Cleanup level based on applicable state and federal law (40 C.F.R. 141.80).

n **Lindane.** Cleanup level based on applicable state and federal law (WAC 246-290-310 and 40 C.F.R. 141.61).

o **Methylene chloride (dichloromethane).** Cleanup level based on applicable state and federal law (WAC 246-290-310 and 40 C.F.R. 141.61).

p **Mercury.** Cleanup level based on applicable state and federal law (WAC 246-290-310 and 40 C.F.R. 141.62).

q **Methyl tertiary-butyl ether (MTBE).** Cleanup level based on federal drinking water advisory level (EPA-822-F-97-009, December 1997).

r **Naphthalenes.** Cleanup level based on concentration derived using Equation 720-1. This is a total value for naphthalene, 1-methyl naphthalene and 2-methyl naphthalene.

s **PCB mixtures.** Cleanup level based on concentration derived using Equation 720-2, adjusted for the practical quantitation limit. This cleanup level is a total value for all PCBs.

t **Radium 226 and 228.** Cleanup level based on applicable state and federal law (WAC 246-290-310 and 40 C.F.R. 141.15).

u **Radium 226.** Cleanup level based on applicable state law (WAC 246-290-310).

v **Tetrachloroethylene.** Cleanup level based on applicable state and federal law (WAC 246-290-310 and 40 C.F.R. 141.61).

w **Toluene.** Cleanup level based on applicable state and federal law (WAC 246-290-310 and 40 C.F.R. 141.61).

x **Total Petroleum Hydrocarbons (TPH).** TPH cleanup values have been provided for the most common petroleum products encountered at contaminated sites. Where there is a mixture of products or the product composition is unknown, samples must be tested using both the NWTPH-Gx and NWTPH-Dx methods and the lowest applicable TPH cleanup level must be met.

- **Gasoline range organics** means organic compounds measured using method NWTPH-Gx. Examples are aviation and automotive gasoline. The cleanup level is based on protection of ground water for noncarcinogenic effects during drinking water use. Two cleanup levels are provided. The higher value is based on the assumption that no benzene is present in the ground water sample. If any detectable amount of benzene is present in the ground water sample, then the lower TPH cleanup level must be used. No interpolation between these cleanup levels is allowed. The ground water cleanup level for any carcinogenic components of the petroleum [such as benzene, EDB and EDC] and any noncarcinogenic components [such as ethylbenzene, toluene, xylenes and MTBE], if present at the site, must also be met. See Table 830-1 for the minimum testing requirements for gasoline releases.
- **Diesel range organics** means organic compounds measured using NWTPH-Dx. Examples are diesel, kerosene, and #1 and #2 heating oil. The cleanup level is based on protection from noncarcinogenic effects during drinking water use. The ground water cleanup level for any carcinogenic components of the petroleum [such as benzene and PAHs] and any noncarcinogenic components [such as ethylbenzene, toluene, xylenes and naphthalenes], if present at the site, must also be met. See Table 830-1 for the minimum testing requirements for diesel releases.
- **Heavy oils** means organic compounds measured using NWTPH-Dx. Examples are #6 fuel oil, bunker C oil, hydraulic oil and waste oil. The cleanup level is based on protection from noncarcinogenic effects during drinking water use, assuming a product composition similar to diesel fuel. The ground water cleanup level for any carcinogenic components of the petroleum [such as benzene, PAHs and PCBs] and any noncarcinogenic components [such as ethylbenzene, toluene, xylenes and naphthalenes], if present at the site, must also be met. See Table 830-1 for the minimum testing requirements for heavy oil releases.
- **Mineral oil** means non-PCB mineral oil, typically used as an insulator and coolant in electrical devices such as transformers and capacitors measured using NWTPH-Dx. The cleanup level is based on protection from noncarcinogenic effects during drinking water use. Sites using this cleanup level must analyze ground water samples for PCBs and meet the PCB cleanup level in this table unless it can be demonstrated that: (1) The release originated from an electrical device manufactured after July 1, 1979; or (2) oil containing PCBs was never used in the equipment suspected as the source of the release; or (3) it can be documented that the oil released was recently tested and did not contain PCBs. Method B (or Method C, if applicable) must be used for releases of oils containing greater than 50 ppm PCBs. See Table 830-1 for the minimum testing requirements for mineral oil releases.

y **1,1,1 Trichloroethane.** Cleanup level based on applicable state and federal law (WAC 246-290-310 and 40 C.F.R. 141.61).

z **Trichloroethylene.** Cleanup level based on applicable state and federal law (WAC 246-290-310 and 40 C.F.R. 141.61).

aa **Vinyl chloride.** Cleanup level based on applicable state and federal law (WAC 246-290-310 and 40 C.F.R. 141.61), adjusted to a 1×10^{-5} risk.

bb **Xylenes.** Cleanup level based on xylene not exceeding the maximum allowed cleanup level in this table for total petroleum hydrocarbons and on prevention of adverse aesthetic characteristics. This is a total value for all xylenes.

Table 740-1
Method A Soil Cleanup Levels for Unrestricted Land Uses.[a]

Hazardous Substance	CAS Number	Cleanup Level
Arsenic	7440-38-2	20 mg/kg[b]
Benzene	71-43-2	0.03 mg/kg[c]
Benzo(a)pyrene	50-32-8	0.1 mg/kg[d]
Cadmium	7440-43-9	2 mg/kg[e]
Chromium		
Chromium VI	18540-29-9	19 mg/kg[f1]
Chromium III	16065-83-1	2,000 mg/kg[f2]
DDT	50-29-3	3 mg/kg[g]
Ethylbenzene	100-41-4	6 mg/kg[h]
Ethylene dibromide (EDB)	106-93-4	0.005 mg/kg[i]
Lead	7439-92-1	250 mg/kg[j]
Lindane	58-89-9	0.01 mg/kg[k]
Methylene chloride	75-09-2	0.02 mg/kg[l]
Mercury (inorganic)	7439-97-6	2 mg/kg[m]
MTBE	1634-04-4	0.1 mg/kg[n]
Naphthalenes	91-20-3	5 mg/kg[o]
PAHs (carcinogenic)		See benzo(a)pyrene[d]
PCB Mixtures		1 mg/kg[p]
Tetrachloroethylene	127-18-4	0.05 mg/kg[q]
Toluene	108-88-3	7 mg/kg[r]
Total Petroleum Hydrocarbons[s]		
[Note: Must also test for and meet cleanup levels for other petroleum components--see footnotes!]		
Gasoline Range Organics		
Gasoline mixtures without benzene and the total of ethyl benzene, toluene and xylene are less than 1% of the gasoline mixture		100 mg/kg
All other gasoline mixtures		30 mg/kg
Diesel Range Organics		2,000 mg/kg
Heavy Oils		2,000 mg/kg
Mineral Oil		4,000 mg/kg
1,1,1 Trichloroethane	71-55-6	2 mg/kg[t]
Trichloroethylene	79-01-6	0.03 mg/kg[u]
Xylenes	1330-20-7	9 mg/kg[v]

Footnotes:

a **Caution on misusing this table.** This table has been developed for specific purposes. It is intended to provide conservative cleanup levels for sites undergoing routine cleanup actions or for sites with relatively few hazardous substances, and the site qualifies under WAC 173-340-7491 for an exclusion from conducting a simplified or site-specific terrestrial ecological evaluation, or it can be demonstrated using a terrestrial ecological evaluation under WAC 173-340-7492 or 173-340-7493 that the values in this table are ecologically protective for the site. This table may not be appropriate for defining cleanup levels at other sites. For these reasons, the values in this table should not automatically be used to define cleanup levels that must be met for financial, real estate, insurance coverage or placement, or similar transactions or purposes. Exceedances of the values in this table do not necessarily mean the soil must be restored to these levels at a site. The level of restoration depends on the remedy selected under WAC 173-340-350 through 173-340-390.

b **Arsenic.** Cleanup level based on direct contact using Equation 740-2 and protection of ground water for drinking water use using the procedures in WAC 173-340-747(4), adjusted for natural background for soil.

c **Benzene.** Cleanup level based on protection of ground water for drinking water use, using the procedures in WAC 173-340-747(4) and (6).

d **Benzo(a)pyrene.** Cleanup level based on direct contact using Equation 740-2. If other carcinogenic PAHs are suspected of being present at the site, test for them and use this value as the total concentration that all carginogenic PAHs must meet using the toxicity equivalency methodology in WAC 173-340-708(8).

e **Cadmium.** Cleanup level based on protection of ground water for drinking water use, using the procedures described in WAC 173-340-747(4), adjusted for the practical quantitation limit for soil.

f1 **Chromium VI.** Cleanup level based on protection of ground water for drinking water use, using the procedures described in WAC 173-340-747(4).

f2 **Chromium III.** Cleanup level based on protection of ground water for drinking water use, using the procedures described in WAC 173-340-747(4). Chromium VI must also be tested for and the cleanup level met when present at a site.

g **DDT (dichlorodiphenyltrichloroethane).** Cleanup level based on direct contact using Equation 740-2.

h **Ethylbenzene.** Cleanup level based on protection of ground water for drinking water use, using the procedures described in WAC 173-340-747(4).

i **Ethylene dibromide (1,2 dibromoethane or EDB).** Cleanup level based on protection of ground water for drinking water use, using the procedures described in WAC 173-340-747(4) and adjusted for the practical quantitation limit for soil.

j **Lead.** Cleanup level based on preventing unacceptable blood lead levels.

k **Lindane.** Cleanup level based on protection of ground water for drinking water use, using the procedures described in WAC 173-340-747(4), adjusted for the practical quantitation limit.

l **Methylene chloride (dichloromethane).** Cleanup level based on protection of ground water for drinking water use, using the procedures described in WAC 173-340-747(4).

m **Mercury.** Cleanup level based on protection of ground water for drinking water use, using the procedures described in WAC 173-340-747(4).

n **Methyl tertiary-butyl ether (MTBE).** Cleanup level based on protection of ground water for drinking water use, using the procedures described in WAC 173-340-747(4).

o **Naphthalenes.** Cleanup level based on protection of ground water for drinking water use, using the procedures described in WAC 173-340-747(4). This is a total value for naphthalene, 1-methyl naphthalene and 2-methyl naphthalene.

p **PCB Mixtures.** Cleanup level based on applicable federal law (40 C.F.R. 761.61). This is a total value for all PCBs.

q **Tetrachloroethylene.** Cleanup level based on protection of ground water for drinking water use, using the procedures described in WAC 173-340-747(4).

r **Toluene.** Cleanup level based on protection of ground water for drinking water use, using the procedures described in WAC 173-340-747(4).

s **Total Petroleum Hydrocarbons (TPH).**
TPH cleanup values have been provided for the most common petroleum products encountered at contaminated sites. Where there is a mixture of products or the product composition is unknown, samples must be tested using both the NWTPH-Gx and NWTPH-Dx methods and the lowest applicable TPH cleanup level must be met.

- **Gasoline range organics** means organic compounds measured using method NWTPH-Gx. Examples are aviation and automotive gasoline. The cleanup level is based on protection of ground water for noncarcinogenic effects during drinking water use using the procedures described in WAC 173-340-747(6). Two cleanup levels are provided. The lower value of 30 mg/kg can be used at any site. When using this lower value, the soil must also be tested for and meet the benzene soil cleanup level. The higher value of 100 mg/kg can only be used if the soil is tested and found to contain no benzene and the total of ethyl benzene, toluene and xylene are less than 1% of the gasoline mixture. No interpolation between these cleanup levels is allowed. In both cases, the soil cleanup level for any other carcinogenic components of the petroleum [such as EDB and EDC], if present at the site, must also be met. Also, in both cases, soil cleanup levels for any noncarcinogenic components [such as toluene, ethylbenzene, xylenes, naphthalene, and MTBE], also must be met if these substances are found to exceed ground water cleanup levels at the site. See Table 830-1 for the minimum testing requirements for gasoline releases.
- **Diesel range organics** means organic compounds measured using method NWTPH-Dx. Examples are diesel, kerosene, and #1 and #2 heating oil. The cleanup level is based on preventing the accumulation of free product on the ground water, as described in WAC 173-340-747(10). The soil cleanup level for any carcinogenic components of the petroleum [such as benzene and PAHs], if present at the site, must also be met. Soil cleanup levels for any noncarcinogenic components [such as toluene, ethylbenzene, xylenes and naphthalenes], also must be met if these substances are found to exceed the ground water cleanup levels at the site. See Table 830-1 for the minimum testing requirements for diesel releases.
- **Heavy oils means** organic compounds measured using NWTPH-Dx. Examples are #6 fuel oil, bunker C oil, hydraulic oil and waste oil. The cleanup level is based on preventing the accumulation of free product on the ground water, as described in WAC 173-340-747(10) and assuming a product composition similar to diesel fuel. The soil cleanup level for any carcinogenic components of the petroleum [such as benzene, PAHs and PCBs], if present at the site, must also be met. Soil cleanup levels for any noncarcinogenic components [such as toluene, ethylbenzene, xylenes and naphthalenes], also must be met if found to exceed the ground water cleanup levels at the site. See Table 830-1 for the minimum testing requirements for heavy oil releases.
- **Mineral oil** means non-PCB mineral oil, typically used as an insulator and coolant in electrical devices such as transformers and capacitors, measured using NWTPH-Dx. The cleanup level is based on preventing the accumulation of free product on the ground water, as described in WAC 173-340-747(10). Sites using this cleanup level must also analyze soil samples and meet the soil cleanup level for PCBs, unless it can be demonstrated that: (1) The release originated from an electrical device that was manufactured after July 1, 1979; or (2) oil containing PCBs was never used in the equipment suspected as the source of the release; or (3) it can be documented that the oil released was recently tested and did not contain PCBs. Method B must be used for releases of oils containing greater than 50 ppm PCBs. See Table 830-1 for the minimum testing requirements for mineral oil releases.

t **1,1,1 Trichloroethane.** Cleanup level based on protection of ground water for drinking water use, using the procedures described in WAC 173-340-747(4).

u **Trichloroethylene.** Cleanup level based on protection of ground water for drinking water use, using the procedures described in WAC 173-340-747(4).

v **Xylenes.** Cleanup level based on protection of ground water for drinking water use, using the procedures described in WAC 173-340-747(4). This is a total value for all xylenes.

APPENDIX D

TANK, SOIL AND NON-REGULATED WATER DISPOSAL DATA

Marine Vacuum Service, _Inc._

GENERAL CONTRACTOR

CONTRACTORS LICENSE # MARINVS097JA

P0. Box 24263 Seattle, Washington 98124

Telephone (206) 762-0240

FAX (206) 763-8084

1-800-540-7491

MARINE VACUUM SERVICE, INC.

TRIPLE RINSE CERTIFICATE

Tank Size: 10K gallon tank

Tank Description: fuel tank

Marine Vacuum Service, Inc. certifies that the above mentioned tank(s) have been triple rinsed in accordance with the industry standard and that all rinsate has been disposed of in accordance with Federal, State and Local regulations.

Tank Owner: Smith Brothers

Sub-Contractor: Pacific Environmental Service

M.V.S. Representative:

Date: 06/20/2011

Notes:

Alaska Street Reload and Recycling

70 South Alaska Street, Seattle Washington 98134

Profile # 105399WA

PERMIT TO DISPOSE OF NON-HAZARDOUS MATERIALS

This permit authorizes disposal of Customer's waste materials in accordance with the Industrial Waste & Disposal Services Agreement dated ___ _____.

EXPIRES: 6/29/2012

GENERATOR: SMITH BROTHERS FARMS

DESCRIPTION: *PCS*	**VOLUME:** *300 TONS*
☐ DRUMS ☐ BR ☒ ADC ☐ CLEAN UP	
LOCATION: *KENT, WASHINGTON 27441 68TH AVENUE SOUTH*	**COUNTY:** * *KING*
CONTACT: *DAVE SATHER*	**PHONE:** *360-385-4221*
	FAX: *360-379-9395*
Recertification: ☐Yes ☐ No	

BILLING: *PESCO – Pacific Environmental Services Co.*	**PO#:** *N/A*	**JOB#:** *N/A*

TYPE OF DISPOSAL/SPECIAL HANDLING : ***BULK, ADC***

******** FAILURE TO SCHEDULE LOADS MAY RESULT IN REFUSAL AT GATE*******

APPROVED: *KRISTIN CASTNER* DATE: ***07/05/11 10:33:53 AM***

A COPY OF THIS PERMIT MUST BE SHOWN BY EACH DRIVER

PROJECTS MUST BE SCHEDULED PRIOR TO SHIPPING CALL : 206-763-5025

WASTE MANAGEMENT

HAZARDOUS WASTE IS STRICTLY PROHIBITED

WASTE MANAGEMENT

Generator's Non-hazardous Waste Profile Sheet

Requested Disposal Facility: ~~Everett~~ Seattle Profile Number: _____

☐ Renewal for Profile Number: _____ Waste Approval Expiration Date: _____

☐ Check here if there are multiple generating locations for this waste. Attach additional locations.

A. Waste Generator Facility Information (must reflect location of waste generation/origin)

1. Generator Name: Smith Brothers Farms
2. Site Address: 27441 68th Ave South
3. City/ZIP: Kent
4. State: WA
5. County: King
6. Contact Name/Title: Craig Koester, Purchasing Manager
7. Email Address: ckoester@smithbrothersfarms.com
8. Phone: 253-478-5907 9. FAX: 253-852-4491
10. NAICS Code: _____
11. Generator USEPA ID #: _____
12. State ID# (if applicable): _____

B. Customer Information ☑ same as above

P. O. Number: _____

1. Customer Name: _____
2. Billing Address: _____
3. City, State and ZIP: _____
4. Contact Name: _____
5. Contact Email: _____
6. Phone: _____ FAX: _____
7. Transporter Name: _____
8. Transporter ID # (if appl.): _____
9. Transporter Address: _____
10. City, State and ZIP: _____

C. Waste Stream Information

1. DESCRIPTION

a. Common Waste Name: Hydrocarbon Impacted Soil

State Waste Code(s): _____

b. Describe Process Generating Waste or Source of Contamination:

Leaking UST System

c. Typical Color(s): black/gray

d. Strong Odor? ☒ Yes ☐ No Describe: _____

e. Physical State at 70°F: ☒ Solid ☐ Liquid ☐ Powder ☐ Semi-Solid or Sludge ☐ Other: _____

f. Layers? ☒ Single layer ☐ Multi- layer ☐ NA

g. Water Reactive? ☐ Yes ☒ No If Yes, Describe: _____

h. Free Liquid Range (%): _____ to _____ ☒ NA(solid)

i. pH Range: _____ to _____ ☒ NA(solid)

j. Liquid Flash Point: ☐ < 140°F ☐ 140°- 199°F ☐ ≥ 200°F ☒ NA(solid)

k. Flammable Solid: ☐ Yes ☐ No

l. Physical Constituents: List all constituents of waste stream - (e.g. Soil 0-80%, Wood 0-20%): ☐ (See Attached)

Constituents (Total Composition Must be ≥ 100%)	Lower Range	Unit of Measure	Upper Range	Unit of Measure
1. Soil 100%				
2.				
3.				
4.				
5.				
6.				

2. ESTIMATED QUANTITY OF WASTE AND SHIPPING INFORMATION

a. ☒ One Time Event ☐ Base ☐ Repeat Event

b. Estimated Annual Quantity: 200-300 ☒ Tons ☐ Cubic Yards ☐ Drums ☐ Gallons ☐ Other (specify): _____

c. Shipping Frequency: _____ Units per ☐ Month ☐ Quarter ☐ Year ☒ One Time ☐ Other

d. Is this a U.S. Department of Transportation (USDOT) Hazardous Material? (If yes, answer e.) ☐ Yes ☒ No

e. USDOT Shipping Description (if applicable): _____

3. SAFETY REQUIREMENTS (Handling, PPE, etc.): _____

WASTE MANAGEMENT

Generator's Non-hazardous Waste Profile Sheet

D. Regulatory Status (Please check appropriate responses)

1. Waste Identification:
   a. Does the waste meet the definition of a USEPA listed or characteristic hazardous waste as defined by 40 CFR Part 261? ☐ Yes ☑ No
      1. If yes, please complete a hazardous waste profile.
   b. Does the waste meet the definition of a state hazardous waste other than identified in D.1.a? ☐ Yes ☑ No
      1. If yes, please complete a hazardous waste profile.
2. Is this waste included in one or more of categories below (Check all that apply)? If yes, attach supporting documentation. ☐ Yes ☐ No
   ☐ Delisted Hazardous Waste ☐ Excluded Wastes Under 40CFR 261.4
   ☐ Treated Hazardous Waste Debris ☐ Treated Characteristic Hazardous Waste
3. Is the waste from a Federal (40 CFR 300, Appendix B) or state mandated clean-up? If yes, see instructions. ☐ Yes ☑ No
4. Does the waste represented by this waste profile sheet contain radioactive material? ☐ Yes ☑ No
   a. If yes, is disposal regulated by the Nuclear Regulatory Commission? ☐ Yes ☐ No
   b. If yes, is disposal regulated by a State Agency for radioactive waste/NORM? ☐ Yes ☐ No
5. Does the waste represented by this waste profile sheet contain Polychlorinated Biphenyls (PCBs)? ☐ Yes ☐ No
   (If yes, list in Chemical Composition - C.1.l)
   a. If yes, are the PCBs regulated by 40 CFR 761? ☐ Yes ☐ No
   b. If yes, is it remediation waste from a project being performed under the Self-Implementing option provided in 40 CFR 761.61(a)? ☐ Yes ☐ No
   c. If yes, were the PCBs imported into the US? ☐ Yes ☐ No
6. Does the waste contain untreated, regulated medical or infectious waste? ☐ Yes ☑ No
7. Does the waste contain asbestos? NO ☑ ☐ Yes ☑ No
   a. If Yes, ☐ Friable ☑ Non Friable
8. Is this profile for remediation waste from a facility that is a major source of Hazardous Air Pollutants (Site Remediation NESHAP, 40 CFR 63 subpart GGGGG)? ☐ Yes ☑ No
   a. If yes, does the waste contain <500 ppmw VOHAPs at the point of determination? ☐ Yes ☐ No

E. Generator Certification (Please read and certify by signature below)

By signing this Generator's Waste Profile Sheet, I hereby certify that all:

1. Information submitted in this profile and all attached documents contain true and accurate descriptions of the waste material;
2. Relevant information within the possession of the Generator regarding known or suspected hazards pertaining to this waste has been disclosed to WM/the Contractor;
3. Analytical data attached pertaining to the profiled waste was derived from testing a representative sample in accordance with 40 CFR 261.20(c) or equivalent rules; and
4. Changes that occur in the character of the waste (i.e. changes in the process or new analytical) will be identified by the Generator and disclosed to WM (and the Contractor if applicable) prior to providing the waste to WM (and the contractor if applicable).
5. Check all that apply:
   ☑ a. Attached analytical pertains to the waste. Identify laboratory & sample ID #'s and parameters tested: # 62011-03, 62111-blowdown-8 = worst case # Pages: 3
   ☐ b. Only the analysis identified on the attachment pertain to the waste (identify by laboratory & sample ID #'s and parameters tested). Attachment #: _____
   ☐ c. Additional information necessary to characterize the profiled waste has been attached (other then analytical, such as MSDS). Indicate the number of attached pages: _____
   ☐ d. I am an agent signing on behalf of the Generator, and the delegation of authority to me from the Generator for this signature is available upon request.

Certification Signature: _____ Title: Processing Manager

Company Name: SMITH BROTHERS FARMS Name (Print): CRAIG KOESTER

Date: JUNE 21, 2011

Customer Summary Report
Criteria: 07/01/2011 12:00 AM to 07/14/2011 11:59 PM
Business Unit Name: AK St Reload and Recycle Facility - S07325 (USA)
Customer Name: PACIFIC ENVIRONMENTAL (PACIFIC ENVIRONMENTAL)
Profile: 105399WA

Ticket Date	Ticket ID	Acct	Tons	Customer	Generator	Truck	Tons	Total
7/7/2011	30707	201		PACIFIC ENVIRONMENTAL	WA-SMITH BROTHERS FARMS	J4T	28.5	
7/7/2011	30708	201		PACIFIC ENVIRONMENTAL	WA-SMITH BROTHERS FARMS	MJ5T	24.91	
7/7/2011	30710	201		PACIFIC ENVIRONMENTAL	WA-SMITH BROTHERS FARMS	J4T	31.04	
7/7/2011	30711	201		PACIFIC ENVIRONMENTAL	WA-SMITH BROTHERS FARMS	MJ5T	28.55	
7/7/2011	30719	201		PACIFIC ENVIRONMENTAL	WA-SMITH BROTHERS FARMS	J4T	35.17	
7/7/2011	30720	201		PACIFIC ENVIRONMENTAL	WA-SMITH BROTHERS FARMS	MJ5T	31.21	
7/7/2011	30733	201		PACIFIC ENVIRONMENTAL	WA-SMITH BROTHERS FARMS	J4T	39.04	
7/7/2011	30734	201		PACIFIC ENVIRONMENTAL	WA-SMITH BROTHERS FARMS	MJ5T	26.17	
Material Total	8						244.59	
7/5/2011	30662	201		PACIFIC ENVIRONMENTAL	WA-SMITH BROTHERS FARMS	Profile Fee	0	
Material Total	1						0	
Customer Total	9						244.59	
Ticket Totals	9						244.59	

External Customer	Loads	Yards	Tons	Total Ticket Amount
PACIFIC ENVIRONMENTAL	9	0	244.59	

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 30707

Ph: 206 763 5025

Customer Name PACIFIC ENVIRONMENTAL PACIFIC
Ticket Date 07/07/2011
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 104130-1

Carrier SELF HAULER *
Vehicle# J4T.
Container
Driver MIKE HUFFMAN
Check#
Billing# 0000201
Grid

Volume

	Time	Scale	Operator	Inbound		
In	07/07/2011 07:52:07	SCALE 1	lmercer		Gross	96440 lb
Out	07/07/2011 08:08:27	SCALE 1	lmercer		Tare	39440 lb
					Net	57000 lb
					Tons	28.50

Comments MJ TRUCKING YE

Profile 105399WA

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	28.50	Tons				KING
2	GONDOLA 16.10/TN-GONDOLA	100	28.50	Tons				
3	ENVFEE$5.07-ENV FEE $5.0	100	28.50	Tons				

Total Tax
Total Ticket

203WM Driver's Signature

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 30708

Ph: 206 763 5025

Customer Name PACIFIC ENVIRONMENTAL PACIFIC
Ticket Date 07/07/2011
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 104130-1

Carrier SELF HAULER *
Vehicle# MJ5T
Container
Driver SAM WINDLE
Check#
Billing# 0000201
Grid

Volume

	Time	Scale	Operator	Inbound		
In	07/07/2011 07:56:20	SCALE 1	lmercer		Gross	97700 lb
Out	07/07/2011 08:23:16	SCALE 1	lmercer		Tare	37960 lb
					Net	49820 lb
					Tons	24.91

Comments MJ TRUCKING YE

Profile 105399WA

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	24.91	Tons				KING
2	GONDOLA 16.10/TN-GONDOLA	100	24.91	Tons				KING
3	ENVFEE$5.07-ENV FEE $5.0	100	24.91	Tons				KING

Total Tax
Total Ticket

203WM Driver's Signature

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 30710

Ph: 206 763 5025

Customer Name PACIFIC ENVIRONMENTAL PACIFIC
Ticket Date 07/07/2011
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 104130-1

Carrier SELF HAULER *
Vehicle# J4T
Container
Driver MIKE HUFFMAN
Check#
Billing# 0000201
Grid

Volume

	Time	Scale	Operator	Inbound		
In	07/07/2011 09:52:09	SCALE 1	lmercer		Gross	101520 lb
Out	07/07/2011 09:52:09		lmercer		Tare	39440 lb
					Net	62080 lb
					Tons	31.04

Comments MJ TRUCKING YE

Profile 105399WA

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	31.04	Tons				KING
2	GONDOLA 16.10/TN-GONDOLA	100	31.04	Tons				
3	ENVFEE$5.07-ENV FEE $5.0	100	31.04	Tons				

Total Tax
Total Ticket

203WM Driver's Signature

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 30711

Ph: 206 763 5025

Customer Name PACIFIC ENVIRONMENTAL PACIFIC
Ticket Date 07/07/2011
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 104130-1

Carrier SELF HAULER *
Vehicle# MJ5T
Container
Driver SAM WINDLE
Check#
Billing# 0000201
Grid

Volume

	Time	Scale	Operator	Inbound		
In	07/07/2011 09:54:52	SCALE 1	lmercer		Gross	95060 lb
Out	07/07/2011 09:54:52		lmercer		Tare	37960 lb
					Net	57100 lb
					Tons	28.55

Comments MJ TRUCKING YE

Profile 105399WA

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	28.55	Tons				KING
2	GONDOLA 16.10/TN-GONDOLA	100	28.55	Tons				
3	ENVFEE$5.07-ENV FEE $5.0	100	28.55	Tons				

Total Tax
Total Ticket

203WM Driver's Signature

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 30719

Ph: 206 763 5025

Customer Name PACIFIC ENVIRONMENTAL PACIFIC
Ticket Date 07/07/2011
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 104130-1

Carrier SELF HAULER *
Vehicle# J4T
Container
Driver MIKE HUFFMAN
Check#
Billing# 0000201
Grid

Volume

	Time	Scale	Operator	Inbound		
In	07/07/2011 11:29:57	SCALE 1	lmercer		Gross	109780 lb
Out	07/07/2011 11:29:57		lmercer		Tare	39440 lb
					Net	70340 lb
					Tons	35.17

Comments MJ TRUCKING YE

Profile 105399WA

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	35.17	Tons				KING
2	GONDOLA 16.10/TN-GONDOLA	100	35.17	Tons				KING
3	ENVFEE$5.07-ENV FEE $5.0	100	35.17	Tons				KING

Total Tax
Total Ticket

203 Driver's Signature

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 30720

Ph: 206 763 5025

Customer Name PACIFIC ENVIRONMENTAL PACIFIC
Ticket Date 07/07/2011
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 104130-1

Carrier SELF HAULER *
Vehicle# MJ5T
Container
Driver SAM WINDLE
Check#
Billing# 0000201
Grid

Volume

	Time	Scale	Operator	Inbound		
In	07/07/2011 11:32:31	SCALE 1	lmercer		Gross	100380 lb
Out	07/07/2011 11:32:31		lmercer		Tare	37960 lb
					Net	62420 lb
					Tons	31.21

Comments MJ TRUCKING YE

Profile 105399WA

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	31.21	Tons				KING
2	GONDOLA 16.10/TN-GONDOLA	100	31.21	Tons				
3	ENVFEE$5.07-ENV FEE $5.0	100	31.21	Tons				

Total Tax
Total Ticket

203 Driver's Signature

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 30733

Ph: 206 763 5025

Customer Name PACIFIC ENVIRONMENTAL PACIFIC
Ticket Date 07/07/2011
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 104130-1

Carrier SELF HAULER *
Vehicle# J4T
Container
Driver MIKE HUFFMAN
Check#
Billing# 0000201
Grid

Volume

	Time	Scale	Operator	Inbound		
In	07/07/2011 13:22:27	SCALE 1	lmercer		Gross	117520 lb
Out	07/07/2011 13:22:27		lmercer		Tare	39440 lb
					Net	78080 lb
					Tons	39.04

Comments MJ TRUCKING YE

Profile 105399WA

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	39.04	Tons				KING
2	GONDOLA 16.10/TN-GONDOLA	100	39.04	Tons				
3	ENVFEE$5.07-ENV FEE $5.0	100	39.04	Tons				

Total Tax
Total Ticket

203WM
Driver's Signature

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Reprint
Ticket# 30734

Ph: 206 763 5025

Customer Name PACIFIC ENVIRONMENTAL PACIFIC
Ticket Date 07/07/2011
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 104130-1

Carrier SELF HAULER *
Vehicle# MJ5T
Container
Driver SAM WINDLE
Check#
Billing# 0000201
Grid

Volume

	Time	Scale	Operator	Inbound		
In	07/07/2011 13:25:17	SCALE 1	lmercer		Gross	90300 lb
Out	07/07/2011 13:25:17		lmercer		Tare	37960 lb
					Net	52340 lb
					Tons	26.17

Comments MJ 5 /BE

Profile 105399WA

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	26.17	Tons				KING
2	GONDOLA 16.10/TN-GONDOLA	100	26.17	Tons				
3	ENVFEE$5.07-ENV FEE $5.0	100	26.17	Tons				

Total Tax
Total Ticket

203WM

...pping Order

Must be legibly filled in, in Ink indelible Pencil, or in Carbon, and retained by the agent

Shipper No. 13112

Carrier No.

Page 1 of 1

(Name of carrier) (SCAC)

Date 06/20/2011

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec.1.

TO:
Consignee [illegible]

Street 1815 S. GRAHAM ST.

City SEATTLE State, WA Zip Code 98108

FROM:
Shipper Pacific Environmental Serv

Street 27441 68th Ave S.

City Kent State WA Zip Code

24 hr. Emergency Contact Tel. No. 360-540-7491

Route

Vehicle Number #29

No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class UN or NA Number, Packing Group or UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1T		Non-Regulated Liquid				
		Waste water	100 gallons			

PLACARDS TENDERED: YES ☐ NO ☐

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of Item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(e) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the 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.

_____ Signature

REMIT C.O.D. TO: ADDRESS

COD Amt: $

C.O.D. FEE: PREPAID ☐ COLLECT ☐ $

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____ (Signature of Consignor)

TOTAL CHARGES $

FREIGHT CHARGES
FREIGHT PREPAID Check box if charges are to be collect ☐
except when box at right is checked

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER

PER

CARRIER MARINE VACUUM SERVICE INC.

PER

DATE 06/20/2011

2

Permanent post-office address of shipper.

This Shipping Order

Must be legibly filled in, in Ink indelible Pencil, or in Carbon, and retained by the agent

Shipper No. 99110

Carrier No. _____

Page _____ of _____

MARINE VACUUM SERVICE INC. (Name of carrier) (SCAC)

Date 7-5-11

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec.1.

TO:
Consignee MARINE VACUUM SERVICE INC.
Street 1516 S. GRAHAM ST.
City SEATTLE State, WA Zip Code 98108

FROM:
Shipper Pacific Enviro. (Smith Bros
Street
City Kent State Wa Zip Code
24 hr. Emergency Contact Tel. No. 800-540-7491

Route

Vehicle Number

No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class UN or NA Number, Packing Group or UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1TT		NON. Regulated By DOT				
		Waste water	3,800	GALS.		

PLACARDS TENDERED: YES ☐ NO ☐

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of Item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the 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.

_____ Signature

REMIT C.O.D. TO:
ADDRESS

COD Amt: $

C.O.D. FEE: PREPAID ☐ COLLECT ☐ $

TOTAL CHARGES $

FREIGHT CHARGES
FREIGHT PREPAID except when box at right is checked ☐ Check box if charges are to be collect

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____ (Signature of Consignor)

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER _____

PER _____

CARRIER MARINE VACUUM SERVICE INC.

PER _____

DATE 7/5/11

2

Permanent post-office address of shipper.

This Shipping Order Must be legibly filled in, in Ink indelible Pencil, or in Carbon, and retained by the agent

Shipper No. 19609

Carrier No.

MARINE VACUUM SERVICE INC.

Page ____ of ____ (Name of carrier) (SCAC)

Date 7/7/11

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec.1.

TO: Consignee MARINE VACUUM SERVICE INC.

Street 1516 S. GRAHAM ST.

City SEATTLE State, WA Zip Code 98108

FROM: Shipper Pac. Enviro

Street 27441 68th AVE S.

City AUBURN State WA Zip Code

24 hr. Emergency Contact Tel. No. 800-540-7491

Route

Vehicle Number 204

No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class UN or NA Number, Packing Group or UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1 T		NONKEG WATER	2,700gal			
		Smith Bros.				

PLACARDS TENDERED: YES ☐ NO ☐

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of Item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

_____ Signature

REMIT C.O.D. TO: ADDRESS

COD Amt. $

C.O.D. FEE: PREPAID ☐ COLLECT ☐ $

TOTAL CHARGES $

FREIGHT CHARGES FREIGHT PREPAID except when box at right is checked ☐ Check box if charges are to be collect

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____ (Signature of Consignor)

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER

PER

CARRIER MARINE VACUUM SERVICE INC.

PER

DATE 7/7/11

2

Permanent post-office address of shipper

APPENDIX E

WDOE TANK CLOSURE AND SITE ASSESSMENT FORMS

UNDERGROUND STORAGE TANK
Closure and Site Assessment Notice

WASHINGTON STATE DEPARTMENT OF ECOLOGY

See back of form for instructions

FOR OFFICE USE ONLY
Site ID #:
Facility Site ID #:

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 Smith Bro. Farms
Site Address 27441 68th Ave So.
Street
City/State Kent, WA
Zip Code 98032 Telephone (253-852-1000
Owners Signature Tony P. Smith PURCHASING MANAGER

Owner Information

UST Owner/Operator Same As Site
Mailing Address _____
Street
P.O. Box
City/State _____
Zip Code _____ Telephone (___) _____

Tank Closure/Change-In-Service Company

Service Company Pacific Environmental Services Company
Certified Supervisor Donna Hewitt Decommissioning Certification No. 1044716-42
Supervisor's Signature _____ Date 6/20/11
Address 2400 NW 80th St. #114
Street
Seattle WA 98117 Telephone 206 632-3123
City State Zip Code

Site Check/Site Assessor

Certified Site Assessor Donna Hewitt
Address 2400 NW 80th St #114
Street
Seattle WA 98117 Telephone 206 632-3123
City State Zip Code

Tank Information

Tank ID	Closure Date	Closure Method	Tank Capacity	Substance Stored
1	6/21/11	Removal	10K	gasoline

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 360-407-7170 (voice) or 1-800-833-6388 OR 711 (TTY)

ECY 020-94 (Rev. 2-06)

UNDERGROUND STORAGE TANK
Site Check/Site Assessment Checklist

FOR OFFICE USE ONLY
Site #:_____
Facility Site ID #:_____

INSTRUCTIONS

When a release has not been confirmed and reported, this Site Check/Site Assessment Checklist must be completed and signed by a person certified by ICC or a Washington registered professional engineer who is competent, by means of examination, experience, or education, to perform site assessments. **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 information 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
PO Box 47655
Olympia WA 98504-7655

SITE INFORMATION

Site ID Number (Available from Ecology if the tanks are registered): _____
Site/Business Name: Smith Bro Farms
Site Address: 27446 68th Ave So. (Street) Telephone: (258) 852-1000
KENT (City) WA (State) 98032 (Zip Code)

TANK INFORMATION

Tank ID No.	Tank Capacity	Substance Stored
1	10K	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 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.	DH	
2. A brief summary of information obtained during the site inspection is provided. (see Section 3.2 in 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 any apparent groundwater in the tank excavation? Perched H20	DH	
6. A brief description of the surrounding land use 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 a regulated substance has occurred.	DH	

SITE ASSESSOR INFORMATION

DONNA HEWITT — Person registered with Ecology

DLH Environmental Consulting — Firm Affiliated with

Business Address: 2400 NW 80th Street #114 (Street) Telephone: (206) 632-3123

Seattle (City) WA (State) 98117 (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.

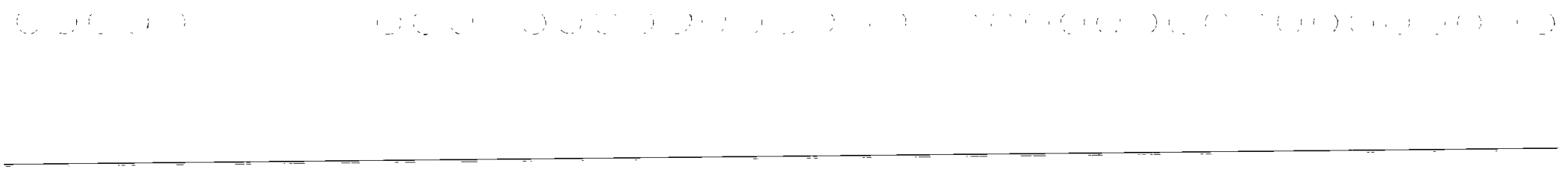
6/23/11 — Date

Signature of Person Registered with Ecology

If you need this publication in an alternate format, please contact Toxics Cleanup Program at (360) 407-7170. For persons with a speech or hearing impairment call 711 for relay service or 800-833-6388 for TTY.

APPENDIX F

CERTIFICATIONS



INTERNATIONAL CODE COUNCIL

DONNA HEWITT

The International Code Council attests that the individual named on this certificate has satisfactorily demonstrated knowledge as required by the International Code Council by successfully completing the prescribed written examination based on codes and standards then in effect, and is hereby issued this certification as:

UST Decommissioning

Given this day of July 1, 2009

Certificate No. 1044716-U2

Adolf Zubia
President, Board of Directors

INTERNATIONAL CODE COUNCIL, INC. CERTIFIED WASHINGTON, D.C.

Richard P. Weiland
Chief Executive Officer

ICC INTERNATIONAL CODE COUNCIL

This certificate is the property of ICC and must be returned to ICC in the event of suspension or revocation of the certificate.

DONNA HEWITT
WASHINGTON STATE SITE ASSESSMENT

The individual named hereon is CERTIFIED in the category shown, having been so certified pursuant to successful completion of the prescribed written examinations.
Expiration date: June 8, 2012
No. 1044716

Not valid unless signed by certificate holder.
ICC certification attests to competent knowledge of codes and standards

Birmingham District Office
Certification and Testing Department
900 Montclair Road
Birmingham, Alabama 35213
Tel: 888-422-7233 extension 5524
Fax: 205-599-9897
www.iccsafe.org

DONNA HEWITT
2400 NW 80TH ST PMB 114
SEATTLE, WA 98117

From: Certification and Testing Department
Date: July 1, 2010
Subject: **June 8, 2010 ADMINISTRATION**
Examination: **WASHINGTON STATE SITE ASSESSMENT**

Congratulations! You have demonstrated a commitment to the code enforcement profession by successfully achieving ICC certification. Your wallet card is enclosed. Your certification information will be posted on the Certification Website as an Active Certification. http://www.iccsafe.org/ACCREDITATION

RENEWAL: Prior to the expiration date shown on your wallet card, we will mail you a reminder notice with information on certification renewal to your address on record. If your address has changed, please see CHANGE OF ADDRESS below. Unless otherwise specified, we will mail the renewal reminder notice 6 months before your Certification expiration date. This is done so far in advance because we want to help ensure you have sufficient time to accrue the necessary Continuing Education Units (CEUs).

AST/UST certification renewal – Certification is valid for a two year period. You may renew by retaking and passing the exam. State licensing may vary. Contact the appropriate state agency in charge of AST/UST work for information on licensing requirements.

ICC California UST Inspector certification renewal – Certification is valid for a two year period. Renew by retaking and passing the exam or by fulfilling the continuing educational requirements approved by the State Water Resources Control Board, Underground Storage Tank Program Manager. Contact the appropriate state agency in charge of UST work for information on certification requirements.

NAFED certification renewal – NAFED must receive your application for recertification and documentation within 60 days prior to the expiration date of the current certification. http://www.nafed.org/certification/

Renewal of certifications is the responsibility of the certified individual. Please make sure you keep track of your renewal date(s).

CHANGE OF ADDRESS: It is extremely important that you notify ICC Renewal Department of any change of address to avoid the possibility of your renewal information not being received. The change of address form is located on the ICC website at http://www.iccsafe.org/Accreditation/Pages/safety.aspx.

If you have achieved a NAFED certification you must notify NAFED of any change of address. http://www.nafed.org

Best wishes for continued success in your career, and thank you for your interest in the Certification Programs of the International Code Council.

Yours very truly,

Certification and Testing Department

Enclosure

Certificate of Completion

This is to certify that

Donna Hewitt

has satisfactorily completed
8 hours of refresher training in

Hazardous Waste Operations And Emergency Response

to comply with the training requirements of
OSHA 29 CFR 1910.120

110784
Certificate Number

Instructor

ARGUS PACIFIC
TRAINING • CONSULTING

Feb 24, 2011
Date(s) of Training

Annual Refresher Required by:
Feb 24, 2012

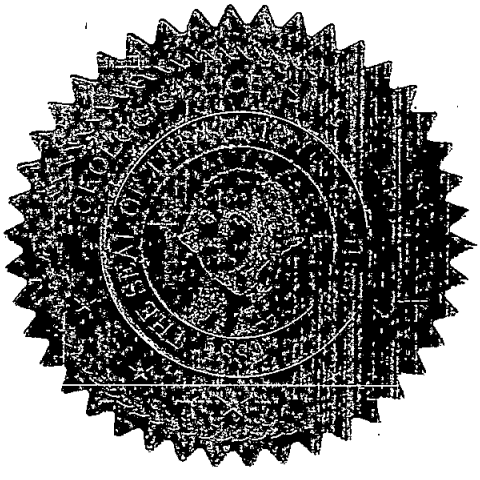
Argus Pacific, Inc. • 1900 W. Nickerson • Suite 315 • Seattle, Washington • 98119 • 206.285.3373 • fax 206.285.3927

It is hereby certified that Donna L. Hewitt

has satisfactorily complied with and completed the statutory requirements set forth in title 18 revised code of Washington to engage in practice as a

Geologist

And is hereby authorized, empowered and granted the right to engage in that practice within the State of Washington subject to the state laws.



Given under the hand and seal of the director this fifth day of June, 2002.

Fred Stephens
DIRECTOR

Geologist Licensing Board

CHAIR

No. 899