

Site Register
Wood 2/4/02

ENVIRONMENTAL SITE ASSESSMENT

PROPOSED OFFICE/APARTMENT SITE

9420 RAINIER AVENUE SOUTH

SEATTLE, WASHINGTON

E-1489

Prepared for

Ms. Maria Brooks

Escrow Affairs, Inc.

9262 B 57th Avenue South

Seattle, WA 98118

January 15, 2002

By

GEO GROUP NORTHWEST, INC.

13240 NE 20th Street, Suite 12

Bellevue, WA 98005

Phone: (425) 649-8757



January 15, 2002

Project No. E-1489

Ms. Maria Brooks
Escrow Affairs, Inc.
9262 B 57th Avenue South
Seattle, WA 98118

Subject: **Phase I & Limited Phase II Environmental Site Assessment**
Proposed Office/Apartment Site
9420 Rainier Avenue South
Seattle, Washington

Dear Ms. Brooks:

Geo Group Northwest, Inc. is pleased to submit our Phase I and Limited Phase II environmental site assessment report for the proposed office/apartment site located at 9420 Rainier Avenue South in Seattle, Washington. The subject site is located about 330 feet west of the intersection of Rainier Avenue South and Seward Park Avenue South on the north side of Rainier Avenue South.

The work was conducted in accordance with our proposal dated December 26, 2002 and is consistent with American Society for Testing and Materials (ASTM) Practice for performing Phase I environmental site assessments of commercial properties. Our pertinent findings, conclusions and recommendations are summarized below.

1. Prior to 1964 the subject lot was vacant. The existing building on the site was constructed in 1964. The building has been used as office space and the site is currently being used to store vehicles.
2. Two soil borings were drilled to characterize the subsurface conditions for a concurrent geotechnical engineering study. Concentrations that exceed WDOE MTCA Method A cleanup levels were identified. Gasoline range petroleum contaminated soil was identified in Boring B-1 at a depth of 12.5 feet. Heavy oil range contaminated soil was identified in Boring B-2 at 14 feet. The source of the contaminants was not identified.

Analysis of a water sample collected from Boring B-1 did not detect petroleum compounds or halogenated volatile organic compounds, such as the dry-cleaner solvent,

tetrachloroethane.

3. Some oil staining is present on the paved parking surface on the north side of the building where the cars are stored. No other visual evidence of the presence of hazardous materials or past dumping of hazardous waste was observed on the surface of the property.
4. The tax assessor records indicate the building was heated by natural gas when originally built. According to the current property owner, Ms. Fisher, the building is heated by electricity. The records reviewed did not indicate that an underground heating oil tank is or has been on the site and no tanks or fill spouts were observed during our site visit.
5. The subject property was not listed on the environmental database lists of the regulatory agencies reviewed in accordance with ASTM guidelines. The environmental database search and orphan search identified one CSCSL site, eight LUST sites, eight UST sites, and six RCRIS small quantity generators within the ASTM search radius from the target property. Two of the RCRIS sites are inferred to be hydraulically up-gradient from the subject property. These sites have no record of violations. One Leaking Underground Storage Tank (LUST) site (Rossoe Energy Systems, Inc.) is inferred to be located hydraulically up-gradient from the subject property. Records indicate that the affected media is soil and not groundwater, which indicates that the contaminants are localized and do not pose a significant risk to the project site.

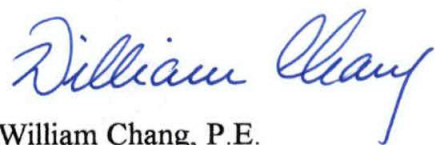
Based on the limited Phase II investigation, there is evidence that petroleum contaminated soil is present on the property at concentrations that exceed the WDOE MTCA Method A soil cleanup levels for unrestricted site use. The source of the petroleum was not identified. The petroleum contamination was found at a depth of 12.5 and 14 feet. Based on the geotechnical study, the soil profile of the site consists of fill soils in the upper 15 feet (\pm) underlain by alluvium. If the petroleum contamination was not the result of past site uses, practices, or other onsite sources, it is possible that the fill soils brought onto the site were contaminated or the source of the contaminants is offsite.

We appreciate the opportunity to provide environmental consulting services for you. If you have any questions regarding this report, please contact us.

January 15, 2002
9420 Rainier Avenue South

E-1489
Page iii

Sincerely,
GEO GROUP NORTHWEST, INC.



William Chang, P.E.
Principal

TABLE OF CONTENTS

<u>1.0 INTRODUCTION</u>	<u>Page</u>
1.1 Purpose	1
1.2 Involved Parties	1
<u>2.0 SCOPE OF WORK</u>	1
<u>3.0 SITE OVERVIEW</u>	
3.1 Location and Legal Description	2
3.2 Adjacent Properties	2
3.3 Site Description	3
<u>4.0 SITE USE HISTORY</u>	
4.1 Summary of Previous Environmental Investigations	3
4.2 King County Assessor Records Review	3
4.3 Aerial Photographs & Historical Maps Review	4
4.4 Historical Telephone Directories Review	4
4.5 Fire Department Records	6
4.6 Interviews	6
4.7 Assessor Records	6
4.8 Washington Department of Ecology	7
<u>5.0 ENVIRONMENTAL SETTING</u>	
5.1 Regional Physiography	7
5.2 Soil Conditions & Phase II Results	7
5.3 Groundwater Conditions & Phase II Results	9
<u>6.0 INVESTIGATION RESULTS</u>	
6.1 Site Reconnaissance Observations	11
6.2 Site Vicinity Observations	11
6.3 Regulatory Agency Database Search	12
6.3.1 Abandoned Landfills	14
6.3.2 Review of the WDOE Leaking Underground Storage Tank (LUST) List	14
6.3.3 Review of the WDOE CSCSL	15
6.3.4 WA IRAP Database Review	16
6.3.5 RCRIS Database Review	17
<u>7.0 CONCLUSIONS</u>	18
<u>8.0 SUMMARY</u>	19
<u>9.0 LIMITATIONS</u>	19
REFERENCES	
ILLUSTRATIONS	
Plate 1 - Vicinity Map	
Plate 2 - Site Plan	
Plate 3 - USGS Topographic Map	
Appendix A - Database Summary	

PHASE I ENVIRONMENTAL SITE ASSESSMENT

PROPOSED OFFICE/APARTMENT SITE

9420 RAINIER AVENUE SOUTH

SEATTLE, WASHINGTON

Project No. E-1489

1.0 INTRODUCTION

1.1 Purpose

Geo Group Northwest, Inc. was contracted by Ms. Maria Brooks to perform a Phase I environmental site assessment for the property referenced above in the City of Seattle, King County, Washington. We understand plans are to redevelop the site with an combined office/apartment building. This report presents our findings, conclusions and recommendations from this environmental assessment.

The purpose of a Phase I environmental site assessment is to evaluate a property for potential contamination that may have resulted from the past or current uses of the subject property or surrounding properties. Our work was conducted in accordance with the American Society for Testing and Materials (ASTM) Practice E 1527, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. This standard is a generally accepted industry practice for performing Phase I environmental site assessments of commercial properties.

1.2 Involved Parties

Geo Group Northwest, Inc., conducted its efforts on behalf of Ms. Maria Brooks of Escrow Affairs, Inc. The Geo Group Northwest, Inc., project manager for this effort was Mr. William Chang, Principal.

2.0 SCOPE OF WORK

Geo Group Northwest's activities were performed in accordance with the scope of work outlined in our proposal dated December 26, 2001. Specific tasks in this scope of work included the following:

- Performing a reconnaissance of the subject property and adjacent properties to observe and document existing property conditions regarding visible indications of contamination or presence of hazardous materials;

Geo Group Northwest, Inc.

- Reviewing available historical records that may identify past uses of or incidents on the subject property;
- Searching federal and state agency databases for information regarding possible hazardous materials usage or hazardous waste contamination of the subject property and adjacent properties (using ASTM-specified search distances);
- Conduct a limited Phase II environmental site assessment including collecting environmental soil samples from the exploratory borings drilled during the geotechnical engineering study of the site. Testing select samples for petroleum hydrocarbons and halogenated volatile organic compounds. Monitoring the soil samples and drill cuttings for indications of contamination.
- Preparation of this summary report which documents our activities, findings, and conclusions regarding the property.

3.0 SITE OVERVIEW

3.1 Location

The subject property is an rectangular shaped lot located on the north side of Rainier Avenue South, approximately 140 feet west of the intersection of Rainier Avenue South and Seward Park Avenue South in the Rainier Beach area of Seattle, Washington, as indicated on the Vicinity Map, Plate 1. The township and range coordinates of the property are the southwest quarter of Section 35, Township 24 North, Range 4 East, W.M. The site is located approximately 250 feet from the west shore of Lake Washington.

3.2 Adjacent Properties

The subject property is bounded by Rainier Avenue South on the south, commercial properties to the east and west and a residential apartment building complex to the north. Adjacent commercial businesses currently include Morris Tax Service to the east at 9432 Rainier Avenue South and Living Color Ethnic Beauty Care Supply to the west at 9428 Rainier Avenue South.

3.3 Site Description

The subject property consists of an trapezoidal shaped lot measuring approximately 120.76 feet

north/south by 70 feet east/west. The lot is situated on a bench at the base of a northerly descending slope based on the topographic information presented on the 7.5 x 15 minute quadrangle map of Seattle South published by the USGS and NOAA, dated 1983. The lot has an elevation of approximately 38 feet according to the GIS map prepared by the City of Seattle, as shown on the Site Plan, Plate 2 of illustrations.

The lot is generally flat. There is a moderately steep north descending slope located just beyond the north property line. Based on the GIS two-foot topographic data, the slope gradient is 35 to 57 percent with a slope height of 14 feet. The site is currently occupied by a one-story, wood-framed building located on the south side of the lot. The lot is paved on the north side of the building and automobiles are currently stored in this area. Relatively dense black berry vegetation is located on the slope north of the site. A metal clad building is located on the property west of the site and a wood frame building is located on the property east of the site.

According to the tax records of King County Assessors Office, the legal description of the subject property (Parcel No. 712930-4826-09) is as follows:

The East 20 feet of Lot 4. Except the North 25 feet thereof, AND All of Lot 5. Except the North 25 feet thereof, All in Block 66, RAINIER BEACH, according to the plat recorded in Volume 8 of Plats, Page 11, records of King County, Washington.

No easements were identified based on the legal lines plotted on the City of Seattle GIS map, Plate 2 of illustrations.

4.0 SITE USE HISTORY

4.1 Summary of Previous Environmental Investigations

No prior environmental site investigations were provided or reviewed for the subject property as part of this assessment.

4.2 Title Insurance

No title insurance documents were provided for review.

4.3 Aerial Photographs & Historical Maps Review

Historical aerial photographs and maps were not reviewed as the records at Washington State Archives identified the first development of the site was in 1964. This is supported by the historical telephone directories review data.

4.4 Historical Telephone Directories Review

We reviewed available historical cross reference telephone directories by Cole and R. L. Polk & Company Publishers for Seattle, Washington to obtain historical occupant information for the subject and nearby commercial properties that could have handled or stored hazardous substances. City telephone directories for Seattle were available between the years 1938 and 2000 at the Seattle Public Library. We reviewed occupant information on a three to four year basis, if the directories were available. Occupant/owners listed for the project site included the following:

1990 thru present	Lucile Fisher
1987/88	Kats Klozit
1977 thru 1983/84	All Town & Country Insurance
1973	All Town & Country Insurance & ALLCO Citizens Band
1970/71	All Town & Country Insurance/ T & C Insurance/ H.R. Veldwyk Insurance, All Sales Reality
1968	T & C Insurance
1964 and earlier	No Listings

For addresses in the 9100, 9200, 9300 and 9400 blocks of Rainier Avenue South, sites that could have handled or stored hazardous substances are presented in the following table. Historically there have been three dry-cleaner sites; eight gas station sites; eleven auto parts/sales/repair sites, and one fuel distributor site in the 9100 to 9400 blocks of Rainier Avenue South.

**SITE USE HISTORY: COMMERCIAL SITES WITH POTENTIAL CONTAMINATION ISSUES
RAINIER AVE. SOUTH: 9100 - 9500 BLOCKS**

Rainier Ave. S. Address	Site Use	YEAR																	
		2000	1997	1993/94	1990/91	1987/88	1983/84	1980/81	1977	1973	1970/71	1968	1964	1960	1957	1954	1943/44	1940	1938
9180	Cleaners	WA One Hour Cleaners			Rainier Beach Martinizing				No Listing										
9212	Auto Sales	No Listings											Haas	Vacant	No Listing				
9233	Auto Sales	No Listing	BAC	No Listing															
9238	Auto Sales & Gas Sta.	No Listing								RB Cars	No Listing	Payless Gas Sta	No Listing	Chevron		William's Fuel	No Listing	Modern Fuel	
9245	Camper & Auto Sales	No Listing				Rainier Beach Camper & Car Sales				R Bch Cars	Rainier Chevrolet Used Cars		Vacant	Ephs Auto Sales	Bett's Motors Cars	No Listing			
9253	Auto Sales & Gas Sta	No Listing								R Bch Cars	No Listing	Still's Flying A Gas Sta	Vacant	Walt & Jays Gas Sta	Davis & Hudson Gas Sta	No Listing			
9275	Auto Sales & Gas Station	No Listings								R Bch Cars	Taylors Shell		Stoeck Shell	No Listing					
9305	Car Sales & Gas Station	No Listings				Rainier Beach Imports	Rainier Beach Cars	Camper/Trailer	No Listing	Chets Texaco		Taylors Texaco		No Listing					
9361 9362 9367 9405	Coal/Oil/Fuel Distributor	Rossoe, Inc.								Clark, Rossoe, Sunset & RentonFuel	Rossoe, Inc.	Clark Coal & Oil			Clark Coal Co.				
9416	Auto	No Listing	Schucks Auto Works or Schucks		No Listing														
9432	Cleaners	Rainier Beach Cleaners											Lake Shore	No Listing					
9433	Cleaners	No Listing											Valley Cleaners	No Listing	Residence				
9436	Gas Station or Cleaners	Seven-Eleven							Jim & Ernie's Gulf Sta	Rainier Beach Gulf	No Listing			Valley Cleaners	No Listing				
9462	Auto Repair & Welding	No Listing			Bayshore & ABC Welding	Bayshore Auto Body		No Listing		Enterprise Machine Works	Vacant	Jones Tool Co & Machine			No Listing				
9464	Auto Repair & Gas	No Listing					Lakeside Auto		Flash Welding	RBeach Garage	Vacant	R & R Auto Repair	R Beach Union	R Beach Shell Station	Vacant	R Beach Service Station	No Listing		
9479	Gas Sta.	Rainier Beach Texaco			Rainier Beach Mobil			Adams Mobil Gas Sta.			Adams & Adams Gas Station					W. Eason Gas Sta.			
9480	Auto Repair & Gas Sta.	Dans Auto Repair			Rainier Beach Arco					Rainier Beach Richfield					Private Residence				

4.5 Fire Department Records

We contacted the City of Seattle Fire Department, Tracy Phipps, and inquired into possible records for hazardous materials incidents at the property. Ms. Phipps informed us that no record of hazardous materials incidents were found for the address of 9420 Rainier Avenue South based on a review of the available records over the last seven years.

4.6 Interviews

The current property owner, Lucile Fisher, was interviewed by phone on January 10, 2002. According to Ms. Fisher, she has owned the property about ten years. The building is heated by electricity. She is not aware that the building was ever heated by an oil furnace and there are no underground heating oil tanks on the site. The property has been used to store cars and the building as office rental space. Her tenants have included a security firm, church and contractor. Prior to her purchasing the property the building was used as offices for an insurance company. She has no knowledge of the following:

- Environmental liens on the property;
- Violations of environmental laws with respect to current or past uses of the property;
- Previous environmental site investigations or assessments of the property;
- Any threatened or pending lawsuits or administrative proceedings concerning a release of any hazardous substance on the property;
- The presence of transformers, capacitors, or hydraulic equipment on the site;
- Discarded automobile batteries, pesticides, paints or other chemicals on the property.

Ms. Fisher stated that the car batteries on the site should belong to the stored cars. Any extra batteries are recycled.

4.7 Assessor Records

Records kept at the King County Branch Office of the Washington State Archives indicate the existing building on the project site was built in 1964. The building is listed as a 20 x 40 wood frame structure. The building heat is listed as a Pipeless furnace ("gas wall heater"). Building use is listed as offices. We found no evidence to indicate the site was used for industrial purposes.

Records indicate that Lots 4 and 5 were vacant prior to 1963. The lots were merged in 1956

(administrative) and the property was segregated into the current property boundaries in 1963. King County acquired the property in 1924 via tax foreclosure and owned the property until 1947. Property owners recorded on the documents included:

<u>Owner</u>	<u>Recorded</u>
Serenco, Inc.	February 1959
Harry Veldwyk	September 1963
Brynmawr Investment Group	January 1968

4.7 Washington Department of Ecology

Records at the Washington Department of Ecology were not reviewed as part of this Phase I environmental site assessment. The project site was not listed on the government databases researched.

The Independent Remedial Action Reports (IRAPs) filed with Department of Ecology could be reviewed to provide additional assessment information about potential environmental impacts associated with the Leaking Underground Storage Tank (LUST) sites identified herein.

5.0 ENVIRONMENTAL SETTING

5.1 Regional Physiography

The project site is located near the base of the hill on the east side of Beacon Hill in the Rainier Beach area of Seattle, Washington. Beacon Hill is a ridge that separates Lake Washington from the Duwamish River valley, as shown on the USGS Topographic Map, Plate 3. The property elevation is approximately 38 feet, based on the GIS topographic information, Plate 2. Properties to the south & southwest of the site slope down toward the project site. No surface water bodies are mapped as being present on the property or adjacent properties and no surface water was observed on the property during our site visit. The nearest surface water body is Lake Washington, located approximately 200 feet northeast of the property.

5.2 Soil Conditions & Phase II Results

The geologic map for the area (reference 1) identifies the site soils as alluvium, consisting of sands and silts, but also may include clay and peat. The alluvial deposits were deposited in and along present day streams.

Geo Group Northwest, Inc. conducted a geotechnical engineering study concurrent with this Phase I environmental site assessment. The subject site was explored by drilling two borings to depths of up to 30 feet on January 3, 2002 to characterize the subsurface soil and groundwater conditions. Boring No. B-1 was located about 17 feet north of the existing building and Boring No. B-2 was located near the north property line.

In Boring B-1, a faint possible petroleum odor was noted in the soil samples collected from 2.5 feet to 16.5 feet, with the exception of a distinct moderate petroleum odor noted in the sample at 14 feet. No petroleum staining was noted in the soil samples collected from Boring B-1. No petroleum odor was noted in the soil samples collected in Boring B-2, however a thin, 1-inch layer, with possible heavy oil staining was observed in the soil sample collected from Boring B-2 at 14 feet.

The subsurface soils consist of loose Silt with sand (Fill) to a depth of 14 to 15 feet, underlain by loose alluvial soils consisting of sandy Silt and silty Sand to depths of 17.5 to 22 feet. Underlying the loose alluvium are dense alluvial soils consisting of interbedded Sands and Silts.

Laboratory Testing

Select soil samples were submitted to the laboratory, Onsite Environmental, Inc. in Redmond, WA., and tested for the presence of petroleum compounds. Three soil samples were analyzed from Boring B-1, samples from 10 feet, 12.5 feet and 15 feet, and one soil sample from Boring B-2, the sample at 14 feet. The samples were tested by NWTPH-HCID to indicate if petroleum was present and if so its hydrocarbon range (gasoline, diesel, or heavy oil). Based on the laboratory results, hydrocarbons were not detected at concentrations above the minimum detection limits (PQL) in the soil samples collected at 10 feet and 15 feet from Boring B-1. Gasoline range hydrocarbons were detected in the soil sample collected at 12.5 feet from Boring B-1 (Sample No. B1-12.5) and heavy oil hydrocarbons were detected in the soil sample collected at 14 feet from Boring B-2 (Sample No. B2-14). Further laboratory analysis by NWTPH-Gx and NWTPH-Dx extended to determine concentrations identified a gasoline concentration of 220 mg/kg in Sample B1-12.5 and a heavy oil concentration of 4200 mg/kg in Sample B2-14. These values exceed the MTCA Method A cleanup values for soil. The following table summarizes the test results.

Laboratory Test Results Soil Samples									
Sample No.	Boring No.	Depth (ft)	Hydrocarbon Characterization (HCID)			Hydrocarbon Concentration mg/kg			Exceeds MTCA Method A Cleanup Levels
			Gasoline	Diesel	Heavy Oil	Gasoline NWTPH-Gx	Diesel NWTPH-Dx	Heavy Oil NWTPH-Dx ext	
B1-10	B-1	10	ND	ND	ND				
B1-12.5	B-1	12.5	Yes	ND	ND	220			Yes
B1-15	B-1	15	ND	ND	ND				
B2-14	B-2	14	ND	ND	Yes		620	4200	Yes (Heavy Oils)

Where:
 ND = Not detected above the laboratories minimum detection limit (PQL) for the test procedure.
 MTCA = WDOE Model Toxics Control Act Cleanup Regulation (Chapter 173-340 WAC) Amended Feb. 12, 2001.
 Method A Cleanup Levels: Cleanup standard for unrestricted land use (173-340-900 WAC).

Total Petroleum Hydrocarbons	MTCA Method A Soil Cleanup Levels
Gasoline*	30 mg/kg
Diesel	2000 mg/kg
Heavy Oil	2000 mg/kg

* For gasoline mixtures with benzene present.

BTEX analysis for the lighter fractions of gasoline was conducted on Sample No. B1-12.5. The results and MTCA Method A cleanup levels for soil are shown below:

Soil Sample No. B1-12.5		
Analyte	BTEX Analysis (mg/kg)	MTCA Method A Cleanup Levels (mg/kg)
Benzene	2.2	0.03
Toluene	ND	7
Ethyl Benzene	1.7	6
Xylenes (m,p & o)	1.3	9
TPH-gas	220	30

Please note that the subsurface conditions at other locations on the property were not investigated and the results of additional investigations may be different than the results reported above.

5.3 Groundwater Condition & Phase II Results

Regional groundwater flow in the area is directed toward Lake Washington. The groundwater gradient in the property vicinity is expected to be to the northeast, generally following the area topography. Groundwater was encountered below 13 to 14 feet with an approximate static water level of 5.5 feet bgs after 30 minutes observation. We did not notice an oil sheen or unusual odors associated with the groundwater. The groundwater gradient was not determined during our study.

Laboratory Testing

A water sample (Sample No. B1-GW25) was collected from inside of the auger drilling rod at a depth of 25 feet from Boring B-1 using a disposable bailer. Laboratory testing was performed to identify the presence of petroleum hydrocarbons and the dry-cleaning chemical tetrachloroethane, a halogenated volatile organic, both of which have been used in the nearby area. The water sample was analyzed for petroleum by NWTPH-HCID and for halogenated volatile organics by EPA Method 8260B. Based on the laboratory results, the presence of petroleum hydrocarbons and halogenated volatile organics were not detected at concentrations above the minimum detection limits (PQL) in the water sample. The following table summarizes the test results.

Laboratory Test Results							
Groundwater Sample							
Sample No.	Boring No.	Depth (ft)	Hydrocarbon Characterization (HCID)			Halogenated Volatile Organics Analysis (EPA 8260B)	Exceeds MTCA Method A Cleanup Levels
			Gasoline	Diesel	Heavy Oil		
B1-GW25	B-1	25	ND	ND	ND	ND	No
Where: ND = Not detected above the laboratories minimum detection limit (PQL) for the test procedure. MTCA = WDOE Model Toxics Control Act Cleanup Regulation (Chapter 173-340 WAC) Amended Feb. 12, 2001. Method A Cleanup Level: Cleanup standards for unrestricted land uses (173-340-900 WAC).							

The analyzed groundwater sample was not extracted from a monitoring well and was not tested

for other chemical compounds not listed above. The subsurface conditions at other locations on the property were not investigated and may be different than those reported above.

6.0 INVESTIGATION RESULTS

6.1 Site Reconnaissance Observations

A Geo Group Northwest, Inc., representative conducted a reconnaissance of the property on December 24, 2001 and also during the subsurface exploration conducted for the geotechnical engineering study on January 3, 2002. The area behind the existing building is paved and is being used as a vehicle storage lot. We estimate that about twenty vehicles were being stored on the lot at the time of our site visit. Oil staining was observed on the ground surface and used car batteries were observed stored onsite.

Based on the records reviewed and an interview of the currently property owner, the building was not heated by fuel oil and no underground storage tanks were identified on the site. No power transformers were observed on the power poles adjacent to the subject property.

6.2 Site Vicinity Observations

Properties along Rainier Avenue South are commercially developed. Properties not fronting Rainier Avenue South are generally residential. Nearby existing businesses include:

Business Name	Address
<u>Properties east of project site</u>	
Morris Tax Service	9428 Rainier Ave S
Rainier Beach Cleaners	9432 Rainier Ave S
Southland 7-Eleven	9436 Rainier Ave S
<u>Properties west of project site</u>	
Living Color - Beauty Supply	9416 Rainier Ave S
Hong Kong Seafood Restaurant	9400 Rainier Ave S
<u>Properties on the south side of Rainier Ave S</u>	
Seattle Best Cleaners	9305 Rainier Ave S
Washington Federal Savings Bank	9325 Rainier Ave S

Roscoe Energy Systems, Inc.	9361 Rainier Ave S
Taco Bell	9401 Rainier Ave S
Mt. Kenya Safari Cafe & Bar	9415 Rainier Ave S
La Bonita Latino Products	9431 Rainier Ave S
A.R.S. Records & Tapes	9433 Rainier Ave S
Nubion Designer Fashions	9435 Rainier Ave S
International Beauty College	9437 Rainier Ave S
Maya's Mexican Restaurant	9447 Rainier Ave S

Current businesses noted to handle, store or distribute gasoline products include the Southland 7-Eleven store at the northwest corner of Rainier Ave S and Seward Park Avenue South, and Roessco Fuels at 9361 Rainier Avenue South. Two former gasoline service stations were observed near the intersection of Rainier Avenue South and 57th Avenue South, including Dan's Auto Service at 9480 Rainier Ave S and Safari Auto Service at 9474 Rainier Ave S.

Dry-cleaner businesses which may handle the chemical tetrachloroethylene include Rainier Beach Cleaners (9432 Rainier Ave S) located two buildings east of the project site, and Seattle Best Cleaners (9305 Rainier Ave S) located two blocks west of the project site.

6.3 Regulatory Agency Database Search

Geo Group Northwest, Inc., obtained information from available federal and state agency databases via Environmental Data Resources, Inc. (EDR). A copy of EDR's database search document is included in Appendix A of this report. The database search was performed consistent with ASTM Practice E 1527-94 recommendations. A complete list and descriptions of the databases searched is included in the database summary report in Appendix A of this report. Reviewed databases included the following ASTM-recommended databases:

Federal

- National Priorities List (NPL) - The United States Environmental Protection Agency (EPA) maintains this list under authorization by the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). The NPL is a subset of CERCLA-listed sites that are prioritized for cleanup under the Superfund program.
- De-listed NPL - The EPA also maintains a list of de-listed NPL sites (sites removed from the NPL). This list is searched to determine if the subject property

formerly was listed on the NPL.

- Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) - This is a database of sites reported to the EPA as possibly requiring cleanup action under CERCLA.
- Resource Conservation and Recovery Information System (RCRIS) - A database of selected information on sites which generate, store, transport, treat, or dispose of hazardous waste as defined in the Resource Conservation and Recovery Act (RCRA).
- RCRA Corrective Action Activity (CORRACTS) - A list which indicates what "nationally-defined" corrective actions have occurred for hazardous waste handlers that are performing corrective action under RCRA regulations.
- Emergency Response Notification System (ERNS) - An EPA-maintained database of information regarding reported releases of hazardous substances and petroleum.

State

- Confirmed and Suspected Contaminated Sites List (CSCSL) - The State of Washington Department of Ecology (WDOE) publishes this list in accordance with Washington Administrative Code 173-340-600. Listed sites are prioritized for cleanup either by use of state funds or by the responsible parties are identified in this report.
- Hazardous Sites List (HSL) - The WDOE maintains this subset list of the CSCSL. This list includes sites which have been assessed and ranked using the Washington Ranking Method (WARM).
- Underground Storage Tanks (UST) - The WDOE maintains a list of registered underground storage tanks.
- Leaking Underground Storage Tanks (LUST) - The WDOE maintains of list of reported leaking underground storage tank sites and tracks the progress of corrective action for these sites.
- Solid Waste Facilities / Landfill Sites (SWF/LS) - The WDOE maintains a list of

solid waste landfills and selected information for each listed facility (name, address, type of landfill, and permitted status).

The subject property was not listed in any of the federal, state, or local ASTM databases searched. No sites located within the ASTM-recommended search distances were found for the NPL, Proposed NPL, CERCLIS, CERC-NFRAP, CORRACTS, RCRIS-TSD, RCRIS Large Quantity Generator, ERNS, HSL, State Land Fill, CONSENT, ROD, Delisted NPL, FINDS, HMIRS, MLTS, MINES, NPL Liens, PADS, RAATS, TRIS, TSCA, Air Emissions, and Coal Gas databases.

6.3.1 Abandoned Landfills

No abandoned landfills were identified within a two-mile radius of the project site based on a review of a published study of abandoned landfills in the City of Seattle (references 2 and 3) and the City of Seattle Critical Area Maps (reference 4).

6.3.2 Review of the WDOE Leaking Underground Storage Tank (LUST) List

The WDOE LUST list (reference 5), contains an inventory of reported LUST incident sites. A total of eight sites located up to one-half mile of the subject property were listed. All eight incident sites involved petroleum products. The listed sites include:

<u>LUST Sites</u>	<u>Cleanup Status</u>	<u>Affected Media</u>
1. Southland 7-11 Store 17381 9436 Rainier Ave S	Cleanup Started/Monitoring Status Date: 10/25/95	Soil & Groundwater
2. Roscoe Energy Systems, Inc. 9367 Rainier Ave S	Cleanup Started Status Date: 6/1/95	Soil
3. Jim's Market & Gas 7500 M L King Jr Way S	Cleanup Started Status Date: 6/1/95	Soil
4. Seattle City Parks Kubota Garden 9817 55 th Ave S	Reported Cleaned Up Status Date: 1/9/96	Soil
5. Unocal Station #3707 6956 M L King Jr Way S	Cleanup Started/Monitoring Status Date: 1/15/97	Soil & Groundwater

6.	Rainier Beach Playfield 8825 Rainier Ave S	Reported Cleaned Up Status Date: 6/1/95	
7.	Rainier Beach Automotive 9479 Rainier Ave S	Reported Cleaned Up Status Date: 5/21/95	Soil
8.	ASAP Auto Repair 9480 Rainier Ave S	Reported Cleaned Up Status Date: 6/1/95	Soil

Of the eight LUST sites, four have reportedly been cleaned up. The Unocal Station #3707 site and Jim's Market and Gas site are located greater than 1/2 mile from the project site. Of the two remaining LUST sites, the Southland 7-11 store site is inferred to be situated hydraulically down-gradient from the subject property and does not appear to pose a significant environmental risk to the subject property.

The one remaining LUST site, Roscoe's Energy Systems, Inc., is potentially located up-gradient from the project site. Based on the information in the LUST database, groundwater is not listed as being affected. Based on this information, the Roscoe incident site does not appear to pose a significant environmental risk to the subject property. However, Roscoe is located up-gradient approximately 400 feet west-southwest of the project site. Because of its proximity to the project site, a long history of being a petroleum distributor, and a reported leaking UST, additional environmental evaluation is recommended. An independent remedial action report (ICR) on the Roscoe site was reportedly filed with the WDOE. We recommend that the files be reviewed to evaluate contaminant migration and potential environmental effects on the subject property.

6.3.3 Review of the WDOE CSCSL

The WDOE keeps a list of confirmed or suspected contaminated sites (CSCSL) that it has investigated, is actively monitoring, or is targeting for cleanup (reference 6). One listed CSCSL site was identified within one mile of the subject property:

CSCSL Site: Stone Property 55th Ave
8433 55th Ave S
Seattle, WA

<u>Affected Media</u>	<u>Type & Status</u>
Soil -	Petroleum - Confirmed above MTCA cleanup levels

Ground water - EPA Priority Pollutants & Organic Contaminants - Suspected
Surface water - EPA Priority Pollutants & Petroleum - Suspected
EPA Priority Pollutants & Petroleum - Suspected

According to the CSCSL database information, the Stone Property site is awaiting remedial action and WDOE has assigned the site a ranking of 5 (lowest assessed risk to human health and the environment). The Stone Property site is located approximately one-half mile north and is inferred to be hydraulically down-gradient from the project site. Based on this information, the Stone site does not appear to pose a significant environmental risk to the subject property.

6.3.4 ICR Database Review

The WDOE keeps a list of sites that have submitted independent cleanup reports (ICR) regarding site cleanup (reference 7). A total of eight sites within a radius of 0.5 miles of the project site have reportedly submitted independent remedial action reports to WDOE. All eight sites involved petroleum products. The ICR sites included on the database include:

<u>ICR Sites</u>	<u>Report Date</u>	<u>Type of Report</u>
1. Southland 7-11 Store #17381 9436 Rainier Ave S	8/17/01	Interim report - LUST (Monitoring site)
2. Rossoe Energy Systems, Inc. 9367 Rainier Ave S	9/19/94	Interim cleanup report - LUST (No final cleanup report filed)
3. Seattle City Parks Kubota Garden 9817 55 th Ave S	4/19/96	Final cleanup report - LUST (Site reported cleaned up)
4. Seattle Parks & Recreation 8825 Rainier Ave. S.	1/21/92	Interim cleanup report of petroleum contaminated
5. Rainier Beach Automotive 9479 Rainier Ave S	3/15/91	Interim cleanup report - LUST (Site reported cleaned up)
6. Mycon Auto (ASAP Auto) 9480 Rainier Ave S	11/14/94	Final cleanup report - LUST (Site reported cleaned up)
7. Lake Washington Apartments	6/3/97	Final cleanup report - LUST

9061 Seward Park Ave S

(Site reported cleaned up)

- | | | |
|----------------------------------|--------|---|
| 8. Residence
8694 Island Dr S | 3/8/00 | Final cleanup report - Tank
(Site reported cleaned up) |
|----------------------------------|--------|---|

6.3.5 RCRIS Database Review

Six sites that generate, store, treat, or dispose of hazardous waste were identified within 0.25 miles of the property based on the Resource Conservation and Recover Information System (RCRIS) database review (reference 8). The two sites east of the project site (sites numbered 2 and 5 below), are inferred to be located hydraulically up-gradient. None of the sites were reported to have waste handling or disposal violations and none of the sites appear to pose a significant environmental risk to the subject property. The RCRIS sites identified are small quantity generators and include:

<u>RCRIS Sites</u>	<u>Violation Status</u>
1. Vinson Brothers Corp 9245 Rainier Ave S	No Violations Found
2. Seattle City Used Oil Collection Site 9416 Rainier Ave S	No Violations Found
3. Rainier Beach Cleaners 9432 Rainier Ave S	No Violations Found
4. Southland 7-11 Store 17381 9436 Rainier Ave S	No Violations Found
5. Rosroe Energy Systems, Inc. 9367 Rainier Ave S	No Violations Found
6. Seattle City Parks Aqua Marina 9520 Rainier Ave S	No Violations Found

The Seattle City Used Oil Collection Site is now a beauty supply store (Living Color Ethnic Beauty Care Supply).

7.0 CONCLUSIONS

Based on the findings from our site reconnaissance and records review, we have developed the following conclusions:

1. The subject property is located in the Rainier Beach area. The property is essentially flat and has an elevation of approximately 38 feet. The subsurface soils consist of loose fill soils underlain by loose to dense alluvial silts and sands (stream deposits). Groundwater was encountered at depths of 13 to 15 feet below the ground surface and the groundwater table was measured at 5.5 feet below the ground surface.
2. The current building on the site was constructed in 1964. Prior to 1964 the property was vacant.
3. Because of the age of the building, it is possible that lead paint and or asbestos could be present on the property. An assessment for these materials is recommended prior to remodeling or demolition of the structure.
4. Select soil samples were tested for petroleum compounds and a groundwater sample was tested for petroleum compounds and halogenated volatile organic compounds as part of a limited Phase II site assessment.

Soil. Petroleum hydrocarbons in the gasoline range were detected in the soil sample collected from a depth of 12.5 in Boring B-1 at concentrations that exceed MTCA Method A cleanup levels. Petroleum hydrocarbons in the diesel and heavy oil range were detected in the soil sample collected from a depth of 14 feet in Boring B-2. The heavy oil concentration exceeded the MTCA Method A cleanup level for soil. The diesel concentration did not exceed MTCA Method A.

Water. Petroleum hydrocarbons and halogenated volatile organics were not detected at concentrations above the minimum detection limits (PQL) in the water sample.

5. No visual evidence of the presence of hazardous materials or past dumping of hazardous waste was observed on the surface of the subject property, although petroleum staining is present on the asphalt parking lot north of the building.

6. According to the owner the existing building is heated by electricity. Assessor records indicate the building was heated by natural gas when first constructed in 1964. No underground heating oil tanks were identified associated with the property.
7. A search of environmental databases identified eight leaking underground storage tank incident sites (LUST), one known or suspected contaminated site (CSCSL), six sites that generate hazardous waste under the Resource Conservation Recovery Information System (RCRIS), and eight sites that have submitted independent remedial action reports (WA IRAP) in the vicinity of the project site. The project site was listed in the government databases reviewed.

Three of these sites are inferred to be located hydraulically up-gradient from the project property. None of the up-gradient sites were identified as having groundwater contamination. There was one leaking underground storage tank (LUST) site and two Resource Conservation and Recover Information System (RCRIS) sites:

Roscoe Energy Systems, Inc. LUST
9361 Rainier Ave S
~~9367~~

Vinson Brothers Corp RCRIS
9245 Rainier Ave S

Seattle City Used Oil Collection Site RCRIS (Property is now the
9416 Rainier Ave S neighboring beauty supply store)

8. Review of the historical telephone directories (Blocks 9100 thru 9400) and our visual site reconnaissance identified four former gas station sites, one current fuel distributor site, and two dry-cleaner sites located west of the project site. Three former and one current gas station sites and one dry-cleaner site was identified east of the project site.

8.0 SUMMARY

Based on the limited Phase II investigation, there is evidence that petroleum contaminated soil is present on the property at concentrations that exceed the WDOE MTCA Method A soil cleanup levels for unrestricted site use. The source of the petroleum was not identified. The petroleum contamination was found at a depth of 12.5 and 14 feet. Based on the geotechnical study, the soil

profile of the site consists of fill soils in the upper 15 feet (\pm) underlain by alluvium. If the petroleum contamination was not the result of past site uses, practices, or other onsite sources, it is possible that the fill soils brought onto the site were contaminated or the source of the contaminants is offsite.

9.0 LIMITATIONS

This report was prepared for specific application to this site and for the exclusive use of Ms. Maria Brooks of Escrow Partners, Inc., and her representatives. We recommend that this report be included in its entirety in project contract documents for future reference.

Geo Group Northwest, Inc., has performed this work in general accordance with ASTM Practice E 1527, Standard Practice for Phase I Environmental Site Assessments and in accordance with generally accepted standards of care in Washington State for Phase I environmental site assessment activities. Our assessment of the property may change as new data becomes available either from persons familiar with the site, WDOE file review, or during additional site studies, exploration, sampling, or construction activities. No warranty, express or implied is made. This Phase I environmental site assessment does not include services not specifically described in the scope of work outlined in Section 2.0 of this report. We appreciate this opportunity to provide you with environmental services. If you have any questions regarding this report, please do not hesitate to call.

Respectfully Submitted,
GEO GROUP NORTHWEST, INC.



Wade J. Lassey
Engineering Geologist



William Chang, P.E.
Principal

REFERENCES

E-1489

General References

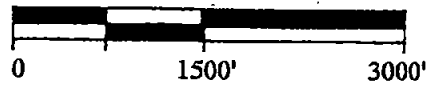
1. Howard H. Waldron, et. al. 1962, Preliminary Geologic Map of Seattle and Vicinity, Washington, U. S. Geological Survey Map I-354.
2. Seattle-King County Department of Public Health, April 30, 1985, Abandoned Landfill Study in King County, 148 p.
3. Seattle-King County Department of Public Health, July 30, 1984, Abandoned Landfill Study in the City of Seattle, 121 p.
4. City of Seattle, June 11, 1996, Environmentally Critical Areas, Folios I, II, and III.

Sources for Database Summary Report

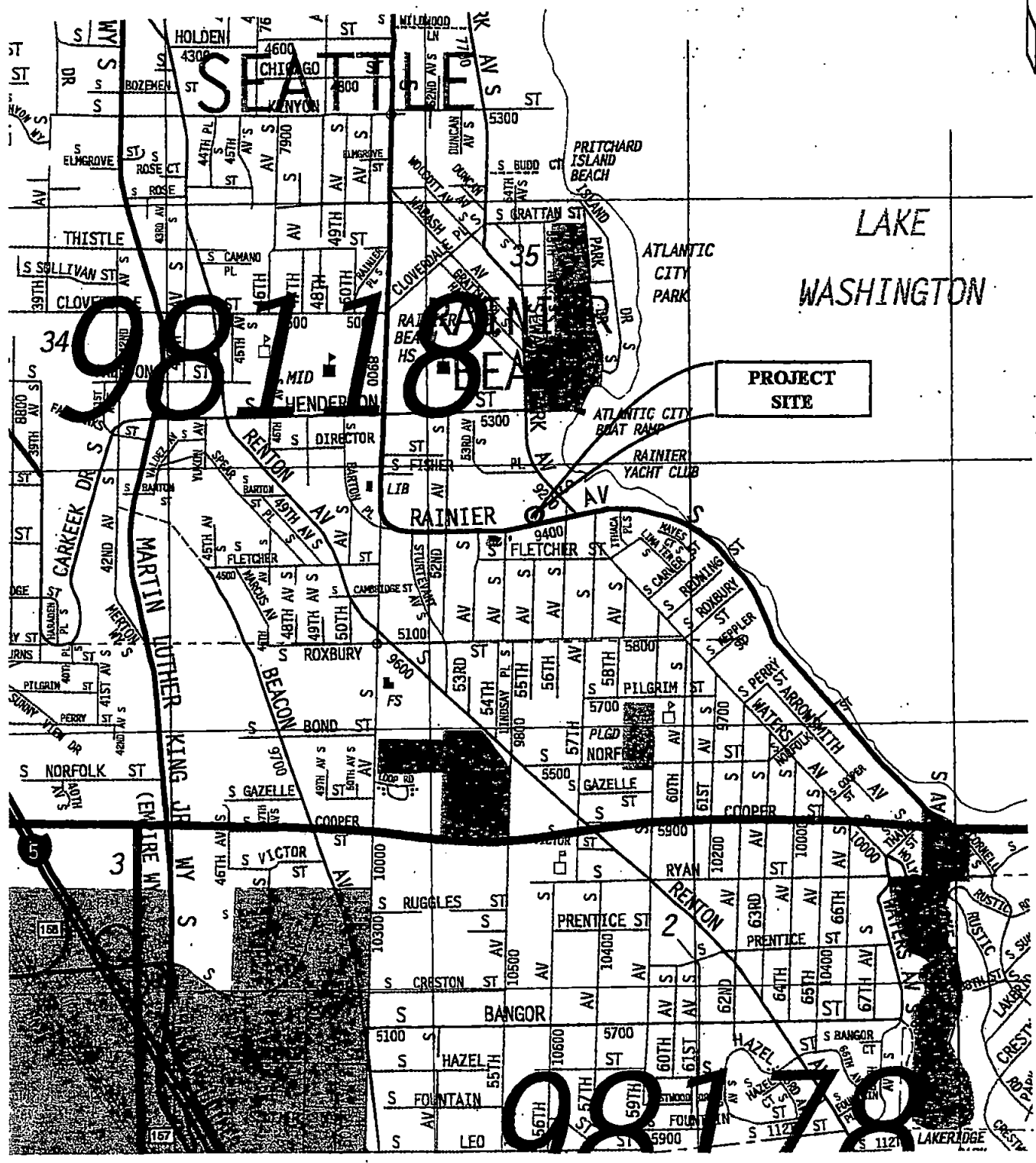
5. State of Washington Department of Ecology, December 7, 2001, Leaking Underground Storage Tanks Site List (LUST).
6. State of Washington Department of Ecology, May 30, 2001, Confirmed & Suspected Contaminated Sites List (CSCSL).
7. State of Washington Department of Ecology, October 31, 2001, Independent Cleanup Reports (ICR).
8. United States Environmental Protection Agency, June 21, 2000, Resource Conservation and Recovery Information System (RCRIS).

ILLUSTRATIONS

E-1489



Approximate Scale: 1 inch = 1500 feet



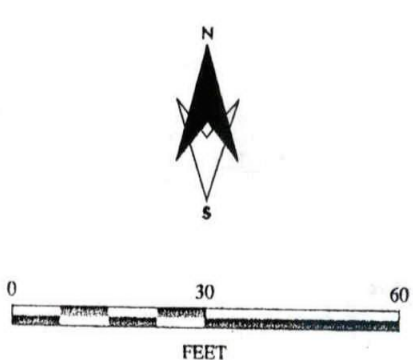
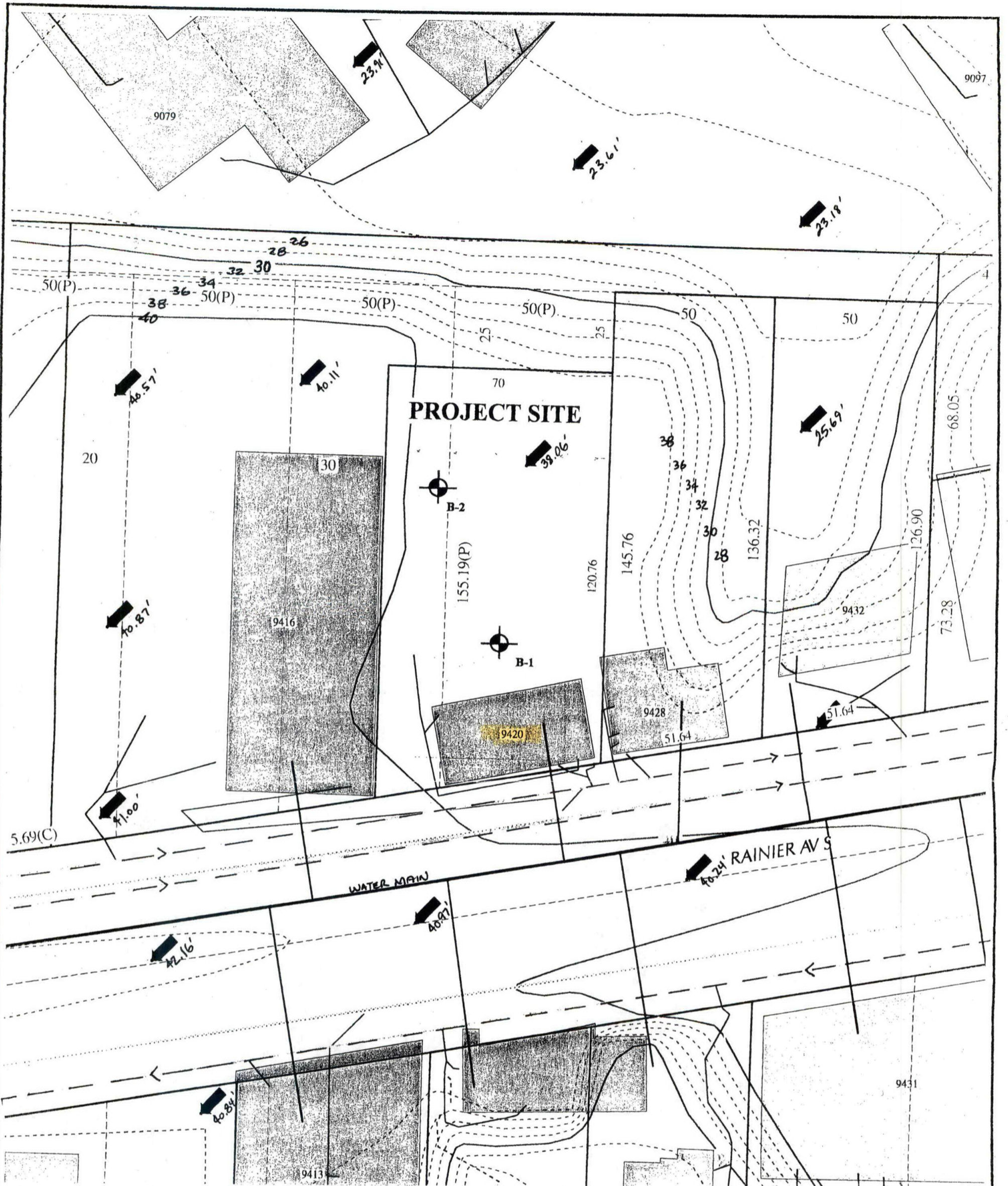
Group Northwest, Inc.

Geotechnical Engineers, Geologists, & Environmental Scientists

VICINITY MAP

OFFICE / APARTMENT SITE
 9420 RAINIER AVENUE SOUTH
 SEATTLE, WASHINGTON

SCALE 1"=1500'	DATE 1/9/02	MADE WJL	CHKD WC	JOB NO. G-1489	PLATE 1
----------------	-------------	----------	---------	----------------	---------



- BORING NUMBER & APPROXIMATE LOCATION**
- B-1
 - Parcel Line
 - Legal Line
 - 10' Interval Contour *
 - 2' Interval Contour *
 - Pavement Edge
 - Spot Elevation *
 - 9999 Address Number

- DWU UTILITY LEGEND**
- Metro Sewer Mainline
 - Sewer Mainline
 - Drainage Mainline
 - Combined Sewer/Drainage Mainline
 - Drainage Lateral (Inspected)
 - Drainage Lateral (Not Inspected)
 - Side Sewer (Inspected)
 - Side Sewer (Not Inspected)
 - Abandoned Pipe
- Arrows designate direction of flow

- WATER UTILITY LEGEND**
- Water Mainline
 - Water Service
 - Hydrant

ROOF OUTLINES INTERPRETED FROM MARCH, 1993 ORTHOPHOTOGRAPHY

- Building
- Garage
- Deck
- Patio
- Obscured
- Unknown

NOTE: Conversion from City of Seattle Datum to NAVD88 Datum
 To convert between City of Seattle and NAVD88 Datums, use:
 ("City of Seattle Datum" + 9.7ft = NAVD88).
 There are inconsistencies in the City of Seattle Datum, the conversion may vary up to +/- 1ft in specific areas throughout the City. In areas and applications where a more accurate conversion factor is critical, elevations should be field checked and vertical relationships between the two datums be determined for that particular area.



© 2001, THE CITY OF SEATTLE, all rights reserved.

No warranties of any sort, including accuracy, fitness or merchantability, accompany this product.

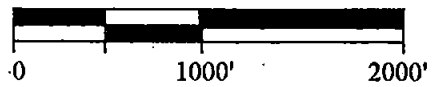
Produced by the Seattle Public Utilities - Geographic Systems Section on December 31, 2001

PORTION OF:
 Central Geographic Data Base Tile# 185
 1/4 Section-Township-Range: SW35-24-4
 Kroll Page # 81.W

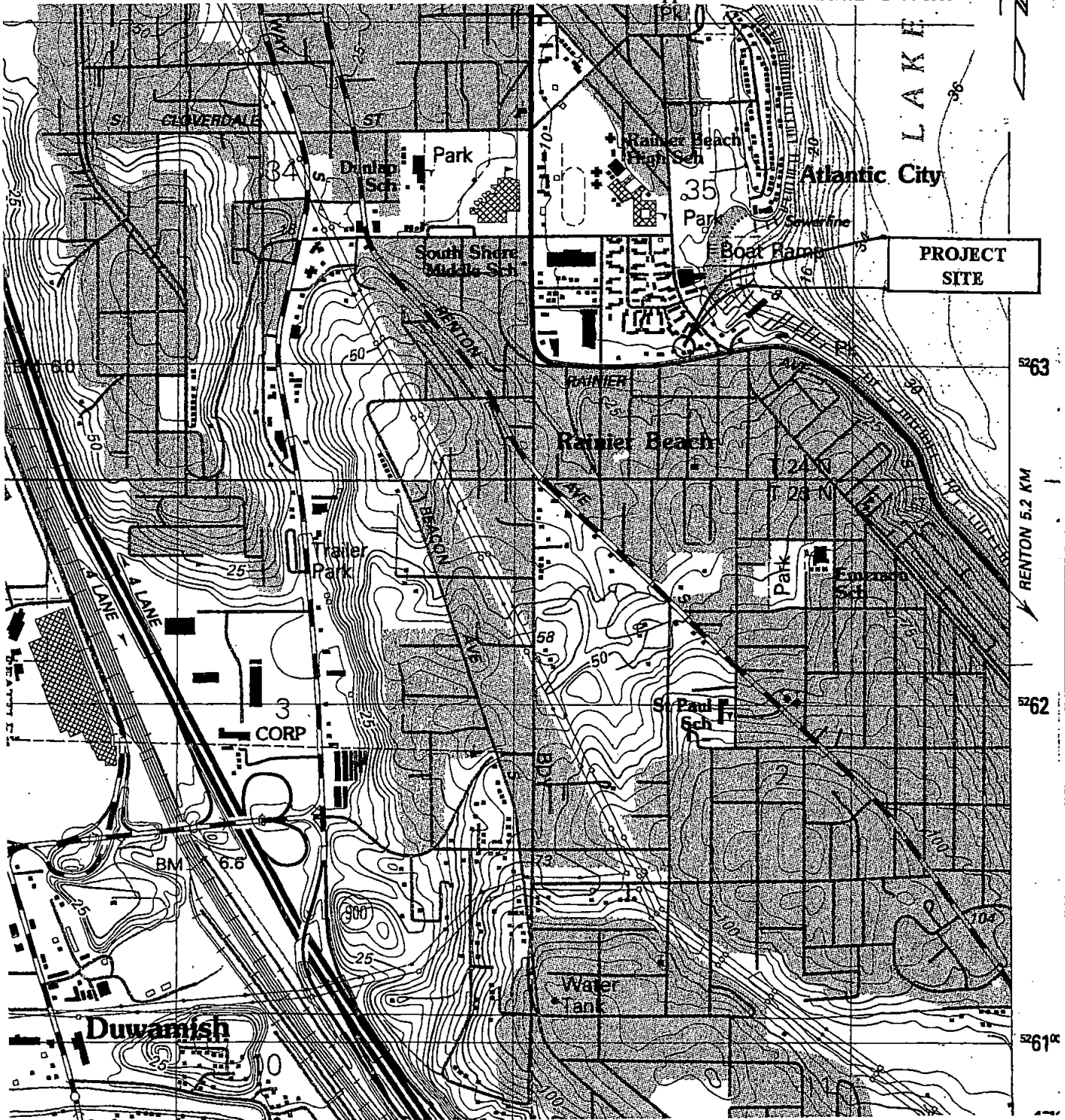
* DATUM: NAVD88

PLATE 2	SITE PLAN		GEO Group Northwest, Inc.						
	OFFICE / APARTMENT SITE 9420 RAINIER AVENUE SOUTH SEATTLE, WASHINGTON		Geotechnical Engineers, Geologists, & Environmental Scientists						
SCALE	1" = 30'	DATE	1/9/02	MADE	WJL	CHKD	WC	JOB NO.	G-1489

USGS Area Map Adapted from Seattle South, Washington, 1:25,000-scale topographic-bathymetric map, dated 1983.



Approximate Scale: 1 inch = 1000 feet



Group Northwest, Inc.

Geotechnical Engineers, Geologists, & Environmental Scientists

USGS AREA MAP

OFFICE / APARTMENT SITE
9420 RAINIER AVENUE SOUTH
SEATTLE, WASHINGTON

SCALE As Shown	DATE 1/15/02	MADE WJL	CHKD WC	JOB NO. E-1489	PLATE 3
----------------	--------------	----------	---------	----------------	---------

APPENDIX A

E-1489

DATABASE SUMMARY REPORT



The EDR Radius Map with GeoCheck[®]

**Harry Veldwyk
9420 Rainier Avenue South
Seattle, WA 98118**

Inquiry Number: 718260.1s

December 27, 2001

The Source For Environmental Risk Management Data

**3530 Post Road
Southport, Connecticut 06490**

Nationwide Customer Service

**Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com**

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary.....	ES1
Overview Map.....	2
Detail Map.....	3
Map Findings Summary.....	4
Map Findings.....	5
Orphan Summary.....	27
EPA Waste Codes.....	EPA-1
Government Records Searched/Data Currency Tracking.....	GR-1
 <u>GEOCHECK ADDENDUM</u>	
Physical Setting Source Addendum.....	A-1
Physical Setting Source Summary.....	A-2
Physical Setting Source Map.....	A-7
Physical Setting Source Map Findings.....	A-8
Physical Setting Source Records Searched.....	A-11

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

**Disclaimer
Copyright and Trademark Notice**

This report contains information obtained from a variety of public and other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL EDR BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES.

Entire contents copyright 2001 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and the edr logos are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-00. Search distances are per ASTM standard or custom distances requested by the user.

TARGET PROPERTY INFORMATION

ADDRESS

9420 RAINIER AVENUE SOUTH
SEATTLE, WA 98118

COORDINATES

Latitude (North): 47.519990 - 47° 31' 12.0"
Longitude (West): 122.264400 - 122° 15' 51.8"
Universal Transverse Mercator: Zone 10
UTM X (Meters): 555381.1
UTM Y (Meters): 5262995.0

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property: 2447122-E3 SEATTLE SOUTH, WA
Source: USGS 7.5 min quad index

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the ASTM E 1527-00 search radius around the target property for the following databases:

FEDERAL ASTM STANDARD

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP..... CERCLIS No Further Remedial Action Planned
CORRACTS..... Corrective Action Report
RCRIS-TSD..... Resource Conservation and Recovery Information System
RCRIS-LQG..... Resource Conservation and Recovery Information System
ERNS..... Emergency Response Notification System

STATE ASTM STANDARD

HSL..... Hazardous Sites List
SWF/LF..... Solid Waste Facility Database

FEDERAL ASTM SUPPLEMENTAL

CONSENT..... Superfund (CERCLA) Consent Decrees

EXECUTIVE SUMMARY

ROD	Records Of Decision
Delisted NPL	National Priority List Deletions
FINDS	Facility Index System/Facility Identification Initiative Program Summary Report
HMIRS	Hazardous Materials Information Reporting System
MLTS	Material Licensing Tracking System
MINES	Mines Master Index File
NPL Liens	Federal Superfund Liens
PADS	PCB Activity Database System
RAATS	RCRA Administrative Action Tracking System
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

STATE OR LOCAL ASTM SUPPLEMENTAL

CSCSL NFA	Confirmed & Contaminated Sites - No Further Action
EML	Washington Emissions Data System

EDR PROPRIETARY DATABASES

Coal Gas	Former Manufactured Gas (Coal Gas) Sites
-----------------------	--

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Elevations have been determined from the USGS 1 degree Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. EDR's definition of a site with an elevation equal to the target property includes a tolerance of +/- 10 feet. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property (by more than 10 feet). Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

FEDERAL ASTM STANDARD

RCRIS: The Resource Conservation and Recovery Act database includes selected information on sites that generate, store, treat, or dispose of hazardous waste as defined by the Act. The source of this database is the U.S. EPA.

A review of the RCRIS-SQG list, as provided by EDR, and dated 06/21/2000 has revealed that there are 6 RCRIS-SQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>SEATTLE CITY USED OIL COLLECT</i>	<i>9416 RAINIER AVE S</i>	<i>0 - 1/8 W</i>	<i>1</i>	<i>5</i>
<i>RAINIER BEACH CLEANERS</i>	<i>9432 RAINIER AVE S</i>	<i>0 - 1/8 E</i>	<i>A2</i>	<i>5</i>
<i>SOUTHLAND STORE 17381</i>	<i>9436 RAINIER AV</i>	<i>0 - 1/8 E</i>	<i>A3</i>	<i>5</i>
<i>ROSSOE ENERGY SYSTEMS INC</i>	<i>9367 RAINIER AVE S</i>	<i>0 - 1/8 W</i>	<i>B6</i>	<i>12</i>
<i>VINSON BROTHERS CORP</i>	<i>9245 RAINIER AVE S</i>	<i>1/8 - 1/4 W</i>	<i>15</i>	<i>20</i>

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
SEATTLE CITY PARKS AQUA MARINA	9520 RAINIER AVE S	1/8 - 1/4E	E14	19

STATE ASTM STANDARD

CSCSL: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Ecology's Confirmed & Suspected Contaminated Sites List.

A review of the CSCSL list, as provided by EDR, has revealed that there is 1 CSCSL site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
STONE PROPERTY 55TH AV	8433 55TH AV S	1/2 - 1 N	24	24

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Ecology's Leaking Underground Storage Tanks Site List.

A review of the LUST list, as provided by EDR, and dated 12/07/2001 has revealed that there are 8 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
7-ELEVEN STORE 2307-17381P	9436 RAINIER AVE S	0 - 1/8 E	A4	9
ROSSOE ENERGY SYSTEMS, INC.	9367 RAINIER AVE S	0 - 1/8 W	B5	10
JIM'S MARKET & GAS	7500 M L KING JR WAY S	1/8 - 1/4 WSW	16	20
SEATTLE CITY PARKS KUBOTA GARD 3707	9817 55TH AV S	1/4 - 1/2S	F18	21
RAINIER BEACH PLAYFIELD	6956 M L KING JR WAY SO	1/4 - 1/2NW	21	22
	8825 RAINIER AVE S	1/4 - 1/2NW	G22	24

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
RAINIER BEACH AUTOMOTIVE	9479 RAINIER AVE S	0 - 1/8 E	C8	13
ASAP AUTO REPAIR	9480 RAINIER AVE S	0 - 1/8 E	C10	14

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Ecology's Statewide UST Site/Tank Report.

A review of the UST list, as provided by EDR, and dated 12/07/2001 has revealed that there are 8 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
7-ELEVEN STORE 2307-17381P	9436 RAINIER AVE S	0 - 1/8 E	A4	9
ROSSOE ENERGY SYSTEMS, INC.	9367 RAINIER AVE S	0 - 1/8 W	B5	10
JIM'S MARKET & GAS	7500 M L KING JR WAY S	1/8 - 1/4 WSW	16	20

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
RAINIER BEACH AUTOMOTIVE	9479 RAINIER AVE S	0 - 1/8 E	C7	12

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
ASAP AUTO REPAIR	9480 RAINIER AVE S	0 - 1/8 E	C10	14
LAKE WASHINGTON APARTMENTS	9061 SEWARD PARK AVE SO	0 - 1/8 N	D11	15
AQUA MARINA APTS	9520 RAINIER AVE S	1/8 - 1/4 E	E13	19
KING COUNTRY- EAST SECTION REC	5364 S HENDERSON ST	1/8 - 1/4 NNW	17	21

STATE OR LOCAL ASTM SUPPLEMENTAL

ICR: These are remedial action reports Ecology has received from either the owner or operator of the site. These actions have been conducted without department oversight or approval and are not under an order or decree.

A review of the WA ICR list, as provided by EDR, has revealed that there are 8 WA ICR sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
SOUTHLAND STORE 17381	9436 RAINIER AV	0 - 1/8 E	A3	5
ROSSE ENERGY SYSTEMS INC	9367 RAINIER AVE S	0 - 1/8 W	B6	12
SEATTLE CITY PARKS KUBOTA GARD	9817 55TH AVE. S.	1/4 - 1/2 S	F19	22
SEATTLE PARKS & RECREATION	8825 RAINIER AVE. S.	1/4 - 1/2 NW	G23	24

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
RAINIER BEACH AUTOMOTIVE	9479 RAINIER AVE S	0 - 1/8 E	C7	12
MYCON AUTO (AKA ASAP AUTO)	9480 RAINIER AVE. S.	0 - 1/8 E	C9	14
LAKE WASHINGTON APARTMENTS	9061 SEWARD PARK AVE. S	0 - 1/8 N	D12	18
RESIDENCE	8694 ISLAND DR. S.	1/4 - 1/2 NNE	20	22

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

<u>Site Name</u>	<u>Database(s)</u>
JIMS MARKET & GAS RENTON SAND & GRAVEL RIVERVIEW LILLY INDUSTRIES INC	CSCSL CSCSL EMI, FINDS, WA ICR, RCRIS-LQG, TRIS, CERC-NFRAP SWF/LF
SOUTH TS / SOUTH HHW FACILITY - MRW WDOT I-90/RAINIER AVE HELMER'S AUTO PARTS DUWAMISH RIV ABANDONE SEATTLE CITY RAINIER AVE ILLEGAL DUMP CALIFORNIA AVE. LAW APTS. PROP. SR 99 & FIRST AVE. BRIDGE SPILL/WSDOT BNRR (FORMER GLACIER PARK PROPERTY) EXXON #7 2894 EXXON #7 2894 (TWO REPORTS) UNOCAL #3707 UNOCAL #3707 (TWO REPORTS) ARCO #5246 TEXACO #004502 SOUTHLAND #27390 EXXON #7 9049 EXXON #7 9049 (TWO REPORTS) TERMINAL 91/PACIFIC OIL	UST WA ICR, UST RCRIS-SQG, FINDS RCRIS-SQG, FINDS WA ICR WA ICR WA ICR WA ICR WA ICR WA ICR WA ICR WA ICR WA ICR WA ICR WA ICR WA ICR WA ICR WA ICR WA ICR WA ICR

OVERVIEW MAP - 718260.1s - Geo Group Northwest Inc.



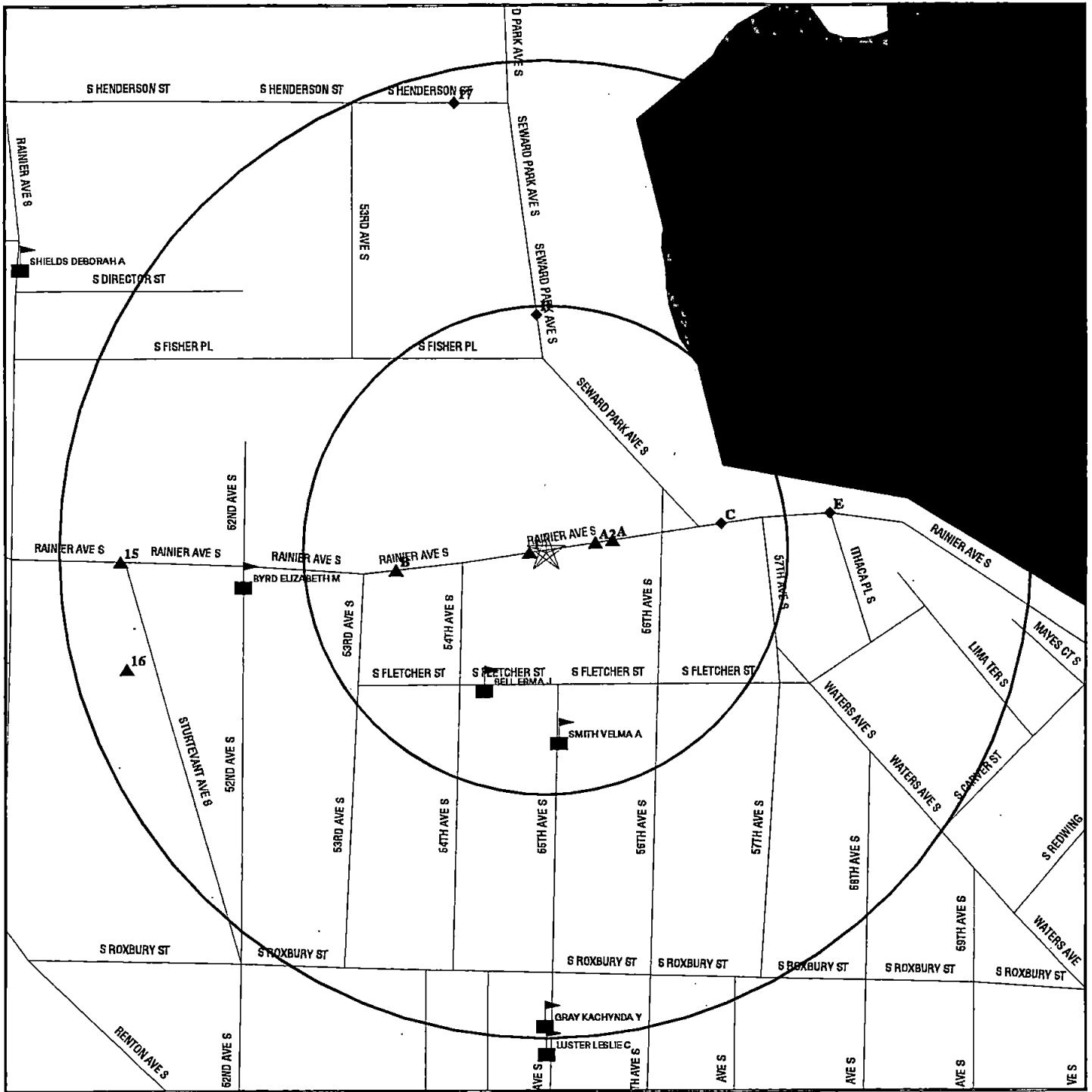
- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Coal Gasification Sites (if requested)
- ▨ National Priority List Sites
- ▩ Landfill Sites

- ⚡ Power transmission lines
- ⚡ Oil & Gas pipelines
- ▨ 100-year flood zone
- ▩ 500-year flood zone
- ▩ Wetlands

TARGET PROPERTY: Harry Veldwyk
ADDRESS: 9420 Rainier Avenue South
CITY/STATE/ZIP: Seattle WA 98118
LAT/LONG: 47.5200 / 122.2644

CUSTOMER: Geo Group Northwest Inc.
CONTACT: Wade Lassey
INQUIRY #: 718260.1s
DATE: December 27, 2001 2:59 pm

DETAIL MAP - 718260.1s - Geo Group Northwest Inc.



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Coal Gasification Sites (if requested)
- Sensitive Receptors
- National Priority List Sites
- Landfill Sites

- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Wetlands

TARGET PROPERTY: Harry Veldwyk
ADDRESS: 9420 Rainier Avenue South
CITY/STATE/ZIP: Seattle WA 98118
LAT/LONG: 47.5200 / 122.2644

CUSTOMER: Geo Group Northwest Inc.
CONTACT: Wade Lassey
INQUIRY #: 718260.1s
DATE: December 27, 2001 2:59 pm

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>FEDERAL ASTM STANDARD</u>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.250	0	0	NR	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRIS-TSD		0.500	0	0	0	NR	NR	0
RCRIS Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRIS Sm. Quan. Gen.		0.250	4	2	NR	NR	NR	6
ERNS	TP		NR	NR	NR	NR	NR	0
<u>STATE ASTM STANDARD</u>								
CSCSL		1.000	0	0	0	1	NR	1
HSL		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
LUST		0.500	4	1	3	NR	NR	8
UST		0.250	5	3	NR	NR	NR	8
<u>FEDERAL ASTM SUPPLEMENTAL</u>								
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
HMIRS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
NPL Liens	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
<u>STATE OR LOCAL ASTM SUPPLEMENTAL</u>								
WA ICR		0.500	5	0	3	NR	NR	8
CSCSL NFA	TP		NR	NR	NR	NR	NR	0
WA Emissions	TP		NR	NR	NR	NR	NR	0
<u>EDR PROPRIETARY DATABASES</u>								
Coal Gas		1.000	0	0	0	0	NR	0
AQUIFLOW - see EDR Physical Setting Source Addendum								

TP = Target Property

NR = Not Requested at this Search Distance

* Sites may be listed in more than one database

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

SOUTHLAND STORE 17381 (Continued)

1001804806

RCRIS:

Owner: SOUTHLAND CORP
(425) 235-2259

Contact: STAN HASKINS
(425) 228-9645

Record Date: 12/31/1998
Classification: Not reported
Used Oil Recyc: No

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Facility Registry System (FRS)
Resource Conservation and Recovery Act Information system (RCRAINFO)

WA ICR:

Date Ecology Received Report: 11/25/1997
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Cause of Contamination: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 95-13
County Code: 17
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 06/22/1998
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Cause of Contamination: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 98-05
County Code: 17
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 05/11/1999
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Cause of Contamination: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 98-15
County Code: 17
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 04/30/1999
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Cause of Contamination: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

SOUTHLAND STORE 17381 (Continued)

1001804806

Site Register Issue: 98-15
County Code: 17
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 04/25/2000
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Cause of Contamination: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 98-25
County Code: 17
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 08/18/2000
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Cause of Contamination: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 98-27
County Code: 17
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 06/07/1995
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Cause of Contamination: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 94-03
County Code: 17
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: / /
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Cause of Contamination: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 94-03
County Code: 17
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 01/10/1992
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Cause of Contamination: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 92-26
County Code: 17

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

SOUTHLAND STORE 17381 (Continued)

1001804806

Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 06/08/1990
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Cause of Contamination: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 90-05
County Code: 17
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 08/18/1995
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Cause of Contamination: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 94-17
County Code: 17
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 12/19/1995
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Cause of Contamination: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 94-37
County Code: 17
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 03/20/1996
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Cause of Contamination: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 94-37
County Code: 17
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 02/23/1996
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Cause of Contamination: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 94-37
County Code: 17
Contact: Not reported
Report Title: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

SOUTHLAND STORE 17381 (Continued)

1001804806

Date Ecology Received Report: 10/01/1996
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Cause of Contamination: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 94-41
County Code: 17
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 05/14/1997
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Cause of Contamination: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 95-01
County Code: 17
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 02/07/2001
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Cause of Contamination: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 98-33
County Code: 17
Contact: Not reported
Report Title: Monitoring - October 2000

Date Ecology Received Report: 08/17/2001
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Cause of Contamination: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 98-41
County Code: 17
Contact: Not reported
Report Title: Monitoring - May 2001

A4 7-ELEVEN STORE 2307-17381P
East 9436 RAINIER AVE S
< 1/8 SEATTLE, WA 98118
185
Higher Site 3 of 3 in cluster A

LUST U003028624
UST N/A

LUST:

Facility ID: 8701 Ecology Region: North Western
Release ID: 1321 Release Date: 06/26/1989
Release Status: CLEANUP STARTED Status Date: 06/01/1995
Alternate Name: SOUTHLAND 7-11 17381
Affected Media: GROUND WATER

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EPA ID Number
EDR ID Number

7-ELEVEN STORE 2307-17381P (Continued)

U003028624

Facility ID: 8701 Ecology Region: North Western
Release ID: 1321 Release Date: 06/26/1989
Release Status: MONITORING Status Date: 10/25/1995
Alternate Name: SOUTHLAND 7-11 17381
Affected Media: GROUND WATER

Facility ID: 8701 Ecology Region: North Western
Release ID: 1321 Release Date: 06/26/1989
Release Status: CLEANUP STARTED Status Date: 06/01/1995
Alternate Name: SOUTHLAND 7-11 17381
Affected Media: SOIL

Facility ID: 8701 Ecology Region: North Western
Release ID: 1321 Release Date: 06/26/1989
Release Status: MONITORING Status Date: 10/25/1995
Alternate Name: SOUTHLAND 7-11 17381
Affected Media: SOIL

UST:

Facility ID: 8701
Install Date: 1/1/1964
Capacity: 10,000 TO 19,999 GALLONS
Status: OPERATIONAL
Tank Name: NOL
Tank Material: STEEL
Substance: UNLEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 8701
Install Date: 1/1/1983
Capacity: 10,000 TO 19,999 GALLONS
Status: OPERATIONAL
Tank Name: REG
Tank Material: STEEL
Substance: UNLEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 8701
Install Date: 5/1/1983
Capacity: 5,000 TO 9,999 GALLONS
Status: OPERATIONAL
Tank Name: SNL
Tank Material: FIBERGLASS REINFORCED PLASTIC
Substance: UNLEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

B5
West
< 1/8
409
Higher
ROSSOE ENERGY SYSTEMS, INC.
9367 RAINIER AVE S
SEATTLE, WA 98118
Site 1 of 2 in cluster B

LUST U003027968
UST N/A

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

ROSSOE ENERGY SYSTEMS, INC. (Continued)

U003027968

LUST:

Facility ID:	6947	Ecology Region:	North Western
Release ID:	1441	Release Date:	01/19/1989
Release Status:	CLEANUP STARTED	Status Date:	06/01/1995
Alternate Name:	ROSSOE OIL CO		
Affected Media:	SOIL		

UST:

Facility ID: 6947
Install Date: 1/1/1958
Capacity: 10,000 TO 19,999 GALLONS
Status: OPERATIONAL
Tank Name: SO
Tank Material: STEEL
Substance: KEROSENE
Compartment #: 1
Ecology Region: North Western

Facility ID: 6947
Install Date: 12/31/1964
Capacity: Not reported
Status: CLOSED IN PLACE
Tank Name: G-10
Tank Material: Steel-Unprotected
Substance: LEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 6947
Install Date: 1/1/1958
Capacity: 10,000 TO 19,999 GALLONS
Status: OPERATIONAL
Tank Name: RES
Tank Material: STEEL
Substance: HEATING FUEL
Compartment #: 1
Ecology Region: North Western

Facility ID: 6947
Install Date: 1/1/1958
Capacity: 20,000 TO 29,999 GALLONS
Status: OPERATIONAL
Tank Name: MT-E
Tank Material: STEEL
Substance: HEATING FUEL
Compartment #: 1
Ecology Region: North Western

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

ROSSOE ENERGY SYSTEMS, INC. (Continued)

U003027968

Facility ID: 6947
Install Date: 1/1/1958
Capacity: 20,000 TO 29,999 GALLONS
Status: OPERATIONAL
Tank Name: MT-W
Tank Material: STEEL
Substance: HEATING FUEL
Compartment #: 1
Ecology Region: North Western

B6
West
< 1/8
409
Higher

ROSSOE ENERGY SYSTEMS INC
9367 RAINIER AVE S
SEATTLE, WA 98118
Site 2 of 2 in cluster B

RCRIS-SQG 1001490251
FINDS WAD027467794
WA ICR

RCRIS:
Owner: Ron Glatz
(206) 725-7555
Contact: ROBERT WILLIAMS
(206) 725-7555
Record Date: 12/31/1996
Classification: Not reported
Used Oil Recyc: No
Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Facility Registry System (FRS)
Resource Conservation and Recovery Act Information system (RCRAINFO)

WA ICR:
Date Ecology Received Report: 09/19/1994
Contaminants Found at Site: Petroleum products
Media Contaminated: Soil
Cause of Contamination: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 93-35
County Code: 17
Contact: Not reported
Report Title: Not reported

C7
East
< 1/8
472
Lower

RAINIER BEACH AUTOMOTIVE
9479 RAINIER AVE S
SEATTLE, WA 98118
Site 1 of 4 in cluster C

WA ICR U003665842
UST N/A

WA ICR:
Date Ecology Received Report: 03/15/1991
Contaminants Found at Site: Petroleum products
Media Contaminated: Soil
Cause of Contamination: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

RAINIER BEACH AUTOMOTIVE (Continued)

U003665842

Site Register Issue: 91-25
County Code: 17
Contact: Not reported
Report Title: Not reported

UST:

Facility ID: 200853
Install Date: Not reported
Capacity: Not reported
Status: REMOVED
Tank Name: 1
Tank Material: Not reported
Substance: UNLEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 200853
Install Date: Not reported
Capacity: Not reported
Status: REMOVED
Tank Name: 2
Tank Material: Not reported
Substance: UNLEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 200853
Install Date: Not reported
Capacity: Not reported
Status: REMOVED
Tank Name: 3
Tank Material: Not reported
Substance: UNLEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 200853
Install Date: Not reported
Capacity: Not reported
Status: REMOVED
Tank Name: 4
Tank Material: Not reported
Substance: USED OIL/WASTE OIL
Compartment #: 1
Ecology Region: North Western

C8
East
< 1/8
472
Lower

RAINIER BEACH AUTOMOTIVE
9479 RAINIER AVE S
SEATTLE, WA 98118

LUST S101007677
N/A

Site 2 of 4 in cluster C

LUST:

Facility ID: 200853 Ecology Region: North Western
Release ID: 2057 Release Date: 10/31/1990
Release Status: CLEANUP STARTED Status Date: 10/31/1990
Alternate Name: RAINIER BEACH AUTOMOTIVE
Affected Media: SOIL

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

RAINIER BEACH AUTOMOTIVE (Continued)

S101007677

Facility ID: 200853 Ecology Region: North Western
Release ID: 2057 Release Date: 10/31/1990
Release Status: REPORTED CLEANED UP Status Date: 05/21/1995
Alternate Name: RAINIER BEACH AUTOMOTIVE
Affected Media: SOIL

C9
East
< 1/8
486
Lower

MYCON AUTO (AKA ASAP AUTO)
9480 RAINIER AVE. S.
SEATTLE, WA 98118
Site 3 of 4 in cluster C

WA ICR S104487128
N/A

WA ICR:

Date Ecology Received Report: 11/14/1994
Contaminants Found at Site: Petroleum products
Media Contaminated: Soil
Cause of Contamination: Tank
Region: North Western
Type of Report Ecology Received: Final cleanup report
Site Register Issue: 93-44
County Code: 17
Contact: Not reported
Report Title: Not reported

C10
East
< 1/8
486
Lower

ASAP AUTO REPAIR
9480 RAINIER AVE S
SEATTLE, WA 98118
Site 4 of 4 in cluster C

LUST U002038044
UST N/A

LUST:

Facility ID: 102403 Ecology Region: North Western
Release ID: 5631 Release Date: 11/14/1994
Release Status: CLEANUP STARTED Status Date: 11/14/1994
Alternate Name: MYCON AUTO AKA ASAP AUTO
Affected Media: SOIL

Facility ID: 102403 Ecology Region: North Western
Release ID: 5631 Release Date: 11/14/1994
Release Status: REPORTED CLEANED UP Status Date: 06/01/1995
Alternate Name: MYCON AUTO AKA ASAP AUTO
Affected Media: SOIL

UST:

Facility ID: 102403
Install Date: 12/31/1964
Capacity: Not reported
Status: CLOSURE IN PROCESS
Tank Name: 1
Tank Material: Not reported
Substance: LEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

ASAP AUTO REPAIR (Continued)

U002038044

Facility ID: 102403
Install Date: 12/31/1964
Capacity: Not reported
Status: CLOSURE IN PROCESS
Tank Name: 2
Tank Material: Not reported
Substance: LEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 102403
Install Date: 12/31/1964
Capacity: Not reported
Status: CLOSURE IN PROCESS
Tank Name: 3
Tank Material: Not reported
Substance: LEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

D11
North
< 1/8
636
Lower

**LAKE WASHINGTON APARTMENTS
9061 SEWARD PARK AVE SOUTH
SEATTLE, WA 98118**

**UST U003750360
N/A**

Site 1 of 2 in cluster D

UST:

Facility ID: 414972
Install Date: Not reported
Capacity: Not reported
Status: REMOVED
Tank Name: 1
Tank Material: Not reported
Substance: HEATING FUEL
Compartment #: 1
Ecology Region: North Western

Facility ID: 414972
Install Date: Not reported
Capacity: Not reported
Status: REMOVED
Tank Name: 2
Tank Material: Not reported
Substance: HEATING FUEL
Compartment #: 1
Ecology Region: North Western

Facility ID: 414972
Install Date: Not reported
Capacity: Not reported
Status: REMOVED
Tank Name: 3
Tank Material: Not reported
Substance: HEATING FUEL
Compartment #: 1
Ecology Region: North Western

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

LAKE WASHINGTON APARTMENTS (Continued)

U003750360

Facility ID: 414972
Install Date: Not reported
Capacity: Not reported
Status: REMOVED
Tank Name: 4
Tank Material: Not reported
Substance: HEATING FUEL
Compartment #: 1
Ecology Region: North Western

Facility ID: 414972
Install Date: Not reported
Capacity: Not reported
Status: REMOVED
Tank Name: 5
Tank Material: Not reported
Substance: HEATING FUEL
Compartment #: 1
Ecology Region: North Western

Facility ID: 414972
Install Date: Not reported
Capacity: Not reported
Status: REMOVED
Tank Name: 6
Tank Material: Not reported
Substance: HEATING FUEL
Compartment #: 1
Ecology Region: North Western

Facility ID: 414972
Install Date: Not reported
Capacity: Not reported
Status: REMOVED
Tank Name: 7
Tank Material: Not reported
Substance: HEATING FUEL
Compartment #: 1
Ecology Region: North Western

Facility ID: 414972
Install Date: Not reported
Capacity: Not reported
Status: REMOVED
Tank Name: 8
Tank Material: Not reported
Substance: HEATING FUEL
Compartment #: 1
Ecology Region: North Western

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

LAKE WASHINGTON APARTMENTS (Continued)

U003750360

Facility ID: 414972
Install Date: Not reported
Capacity: Not reported
Status: REMOVED
Tank Name: 9
Tank Material: Not reported
Substance: HEATING FUEL
Compartment #: 1
Ecology Region: North Western

Facility ID: 414972
Install Date: Not reported
Capacity: Not reported
Status: REMOVED
Tank Name: 10
Tank Material: Not reported
Substance: HEATING FUEL
Compartment #: 1
Ecology Region: North Western

Facility ID: 414972
Install Date: Not reported
Capacity: Not reported
Status: REMOVED
Tank Name: 11
Tank Material: Not reported
Substance: HEATING FUEL
Compartment #: 1
Ecology Region: North Western

Facility ID: 414972
Install Date: Not reported
Capacity: Not reported
Status: REMOVED
Tank Name: 12
Tank Material: Not reported
Substance: HEATING FUEL
Compartment #: 1
Ecology Region: North Western

Facility ID: 414972
Install Date: Not reported
Capacity: Not reported
Status: REMOVED
Tank Name: 13
Tank Material: Not reported
Substance: HEATING FUEL
Compartment #: 1
Ecology Region: North Western

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

LAKE WASHINGTON APARTMENTS (Continued)

Database(s)
EDR ID Number
EPA ID Number

U003750360

Facility ID: 414972
Install Date: Not reported
Capacity: Not reported
Status: REMOVED
Tank Name: 14
Tank Material: Not reported
Substance: HEATING FUEL
Compartment #: 1
Ecology Region: North Western

Facility ID: 414972
Install Date: Not reported
Capacity: Not reported
Status: REMOVED
Tank Name: 15
Tank Material: Not reported
Substance: HEATING FUEL
Compartment #: 1
Ecology Region: North Western

Facility ID: 414972
Install Date: Not reported
Capacity: Not reported
Status: REMOVED
Tank Name: 16
Tank Material: Not reported
Substance: HEATING FUEL
Compartment #: 1
Ecology Region: North Western

Facility ID: 414972
Install Date: Not reported
Capacity: Not reported
Status: REMOVED
Tank Name: 17
Tank Material: Not reported
Substance: HEATING FUEL
Compartment #: 1
Ecology Region: North Western

Facility ID: 414972
Install Date: Not reported
Capacity: Not reported
Status: REMOVED
Tank Name: 18
Tank Material: Not reported
Substance: HEATING FUEL
Compartment #: 1
Ecology Region: North Western

D12
North
< 1/8
636
Lower

LAKE WASHINGTON APARTMENTS
9061 SEWARD PARK AVE. S.
SEATTLE, WA 98118
Site 2 of 2 in cluster D

WA ICR S104488686
N/A

WA ICR:
Date Ecology Received Report: 06/03/1997

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EPA ID Number
EDR ID Number

LAKE WASHINGTON APARTMENTS (Continued)

S104488686

Contaminants Found at Site: Petroleum products
Media Contaminated: Soil
Cause of Contamination: Tank
Region: North Western
Type of Report Ecology Received: Final cleanup report
Site Register Issue: 94-54
County Code: 17
Contact: Not reported
Report Title: Not reported

**E13
East
1/8-1/4
781
Lower**

**AQUA MARINA APTS
9520 RAINIER AVE S
SEATTLE, WA 98118

Site 1 of 2 in cluster E**

**UST U001128149
N/A**

UST:

Facility ID: 100990
Install Date: 6/1/1964
Capacity: Not reported
Status: OPERATIONAL
Tank Name: 2 DIESEL
Tank Material: Fiberglass Reinforced Plastic
Substance: UNLEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 100990
Install Date: 6/1/1964
Capacity: Not reported
Status: OPERATIONAL
Tank Name: 1 GASOLINE
Tank Material: Fiberglass Reinforced Plastic
Substance: UNLEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

**E14
East
1/8-1/4
781
Lower**

**SEATTLE CITY PARKS AQUA MARINA
9520 RAINIER AVE S
SEATTLE, WA 98118

Site 2 of 2 in cluster E**

**RCRIS-SQG 1001600589
FINDS WAH000008243**

RCRIS:

Owner: SEATTLE CITY PARKS
(206) 684-7292

Contact: JODI RICKABAUGH
(206) 684-7292

Record Date: 12/31/1999
Classification: Not reported

BIENNIAL REPORTS:

Last Biennial Reporting Year: 1999

<u>Waste</u>	<u>Quantity (Lbs)</u>
D008	3494.00

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)
 EDR ID Number
 EPA ID Number

SEATTLE CITY PARKS AQUA MARINA (Continued)

1001600589

Used Oil Recyc: No
 Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
 Facility Registry System (FRS)
 Resource Conservation and Recovery Act Information system (RCRAINFO)

15
 West
 1/8-1/4
 1154
 Higher

VINSON BROTHERS CORP
9245 RAINIER AVE S
SEATTLE, WA 98118

RCRIS-SQG 1000878894
FINDS WAD988522298

RCRIS:

Owner: VINSON BROS CORP
 (360) 555-1212
 Contact: LAWERENCE VINSON
 (206) 725-4841
 Record Date: 12/31/1997
 Classification: Not reported
 Used Oil Recyc: No
 Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
 Facility Registry System (FRS)
 Resource Conservation and Recovery Act Information system (RCRAINFO)

16
 WSW
 1/8-1/4
 1180
 Higher

JIM'S MARKET & GAS
7500 M L KING JR WAY S
SEATTLE, WA 98118

LUST U001128058
UST N/A

LUST:

Facility ID:	100800	Ecology Region:	North Western
Release ID:	3799	Release Date:	08/05/1992
Release Status:	CLEANUP STARTED	Status Date:	06/01/1995
Alternate Name:	PETERS MARKET		
Affected Media:	SOIL		

UST:

Facility ID: 100800
 Install Date: 6/1/1979
 Capacity: 5,000 TO 9,999 GALLONS
 Status: OPERATIONAL
 Tank Name: 1U
 Tank Material: STEEL
 Substance: UNLEADED GASOLINE
 Compartment #: 1
 Ecology Region: North Western

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

JIM'S MARKET & GAS (Continued)

U001128058

Facility ID: 100800
Install Date: 7/15/1979
Capacity: 10,000 TO 19,999 GALLONS
Status: OPERATIONAL
Tank Name: 2S
Tank Material: STEEL
Substance: UNLEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 100800
Install Date: 6/1/1979
Capacity: 10,000 TO 19,999 GALLONS
Status: OPERATIONAL
Tank Name: 3L
Tank Material: STEEL
Substance: UNLEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

17
NNW
1/8-1/4
1233
Lower

**KING COUNTRY- EAST SECTION RECLAMATION PLANT
5364 S HENDERSON ST
SEATTLE, WA 98118**

**UST U000923401
N/A**

UST:

Facility ID: 10093
Install Date: 7/1/1976
Capacity: 111 to 1,100 Gallons
Status: REMOVED
Tank Name: HNDPS-1
Tank Material: Not reported
Substance: DIESEL
Compartment #: 1
Ecology Region: North Western

Facility ID: 10093
Install Date: 7/24/1997
Capacity: 111 TO 1,000 GALLONS
Status: OPERATIONAL
Tank Name: HNDPS-2
Tank Material: Fiberglass Reinforced Plastic
Substance: DIESEL
Compartment #: 1
Ecology Region: North Western

F18
South
1/4-1/2
1612
Higher

**SEATTLE CITY PARKS KUBOTA GARDEN
9817 55TH AV S
SEATTLE, WA 98118
Site 1 of 2 in cluster F**

**LUST S102779719
N/A**

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

EDR ID Number
 EPA ID Number

SEATTLE CITY PARKS KUBOTA GARDEN (Continued) **S102779719**

LUST:

Facility ID:	384139	Ecology Region:	North Western
Release ID:	384181	Release Date:	01/04/1996
Release Status:	CLEANUP STARTED	Status Date:	12/27/1995
Alternate Name:	SEATTLE CITY PARKS KUBOTA GARDENS		
Affected Media:	SOIL		

Facility ID:	384139	Ecology Region:	North Western
Release ID:	384181	Release Date:	01/04/1996
Release Status:	REPORTED CLEANED UP	Status Date:	01/09/1996
Alternate Name:	SEATTLE CITY PARKS KUBOTA GARDENS		
Affected Media:	SOIL		

F19 South 1/4-1/2 1612 Higher	SEATTLE CITY PARKS KUBOTA GARDEN 9817 55TH AVE. S. SEATTLE, WA 98118 Site 2 of 2 in cluster F	WA ICR S104488395 N/A
--	---	--

WA ICR:

Date Ecology Received Report:	04/19/1996
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Soil
Cause of Contamination:	Tank
Region:	North Western
Type of Report Ecology Received:	Final cleanup report
Site Register Issue:	94-36
County Code:	17
Contact:	Not reported
Report Title:	Not reported

20 NNE 1/4-1/2 1759 Lower	RESIDENCE 8694 ISLAND DR. S. SEATTLE, WA 98118	WA ICR S104485922 N/A
--	---	--

WA ICR:

Date Ecology Received Report:	03/08/2000
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Soil
Cause of Contamination:	Tank
Region:	North Western
Type of Report Ecology Received:	Final cleanup report
Site Register Issue:	98-24
County Code:	17
Contact:	Not reported
Report Title:	Not reported

21 NW 1/4-1/2 2070 Higher	3707 6956 M L KING JR WAY SO SEATTLE, WA 98108	LUST U001125440 UST N/A
--	---	--

(> 1 mi)

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

3707 (Continued)

Database(s)
EPA ID Number
EDR ID Number

U001125440

LUST:

Facility ID: 8404 Ecology Region: North Western
Release ID: 1863 Release Date: 06/28/1990
Release Status: CLEANUP STARTED Status Date: 06/01/1995
Alternate Name: UNOCAL STATION # 3707
Affected Media: GROUND WATER

Facility ID: 8404 Ecology Region: North Western
Release ID: 1863 Release Date: 06/28/1990
Release Status: MONITORING Status Date: 01/15/1997
Alternate Name: UNOCAL STATION # 3707
Affected Media: GROUND WATER

Facility ID: 8404 Ecology Region: North Western
Release ID: 1863 Release Date: 06/28/1990
Release Status: CLEANUP STARTED Status Date: 06/01/1995
Alternate Name: UNOCAL STATION # 3707
Affected Media: SOIL

Facility ID: 8404 Ecology Region: North Western
Release ID: 1863 Release Date: 06/28/1990
Release Status: MONITORING Status Date: 01/15/1997
Alternate Name: UNOCAL STATION # 3707
Affected Media: SOIL

UST:

Facility ID: 8404
Install Date: 12/31/1964
Capacity: Not reported
Status: UNKNOWN
Tank Name: 2
Tank Material: Steel-Unprotected
Substance: LEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 8404
Install Date: 12/31/1964
Capacity: Not reported
Status: UNKNOWN
Tank Name: 1
Tank Material: Steel-Unprotected
Substance: UNLEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 8404
Install Date: 12/31/1964
Capacity: 111 to 1,100 Gallons
Status: UNKNOWN
Tank Name: 4
Tank Material: Steel-Unprotected
Substance: USED OIL/WASTE OIL
Compartment #: 1
Ecology Region: North Western

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

Database(s) EDR ID Number
EPA ID Number

G22 **RAINIER BEACH PLAYFIELD**
NW **8825 RAINIER AVE S**
1/4-1/2 **SEATTLE, WA 98118**
2221
Higher **Site 1 of 2 in cluster G**

LUST **U002038060**
UST **N/A**

LUST:

Facility ID:	102419	Ecology Region:	North Western
Release ID:	5626	Release Date:	08/12/1994
Release Status:	CLEANUP STARTED	Status Date:	08/12/1994
Alternate Name:	SEATTLE PARKS & REC RAINIER BEACH		
Affected Media:	SOIL		

Facility ID:	102419	Ecology Region:	North Western
Release ID:	5626	Release Date:	08/12/1994
Release Status:	REPORTED CLEANED UP	Status Date:	06/01/1995
Alternate Name:	SEATTLE PARKS & REC RAINIER BEACH		
Affected Media:	SOIL		

UST:

Facility ID:	102419
Install Date:	12/31/1964
Capacity:	111 to 1,100 Gallons
Status:	REMOVED
Tank Name:	1
Tank Material:	Not reported
Substance:	Not reported
Compartment #:	1
Ecology Region:	North Western

G23 **SEATTLE PARKS & RECREATION**
NW **8825 RAINIER AVE. S.**
1/4-1/2 **SEATTLE, WA 98118**
2221
Higher **Site 2 of 2 in cluster G**

WA ICR **S104487392**
N/A

WA ICR:

Date Ecology Received Report:	11/14/1994
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Soil
Cause of Contamination:	Tank
Region:	North Western
Type of Report Ecology Received:	Final cleanup report
Site Register Issue:	93-44
County Code:	17
Contact:	Not reported
Report Title:	Not reported

24 **STONE PROPERTY 55TH AV**
North **8433 55TH AV S**
1/2-1 **SEATTLE, WA 98118**
3012
Lower

CSCSL **S102258343**
N/A

SHWS:

Facility ID:	2596
Responsible Unit:	NW
Latitude:	47 31 40
Longitude:	122 15 52
Ecology Site Status relative to the MTCA cleanup process:	Ranked, Awaiting Remedial Action (RA)

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

STONE PROPERTY 55TH AV (Continued)

S102258343

Independent Site Status - those sites undergoing an independent cleanup:

Not reported

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

5 - Lowest assessed risk to human health and to the environment

Affected Media: Ground Water

Media Status: S (Suspected) - Due to preliminary investigations or the nature of business operations or manufacturing processes, certain contaminants are suspected to be present at the site

Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
Horizontal Collection Method:	4
EPA Priority Pollutants - Metals and Cyanide:	Suspected to be present
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Suspected to be present
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Not reported
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported

Facility ID: 2596

Responsible Unit: NW

Latitude: 47 31 40

Longitude: 122 15 52

Ecology Site Status relative to the MTCA cleanup process:

Ranked, Awaiting Remedial Action (RA)

Independent Site Status - those sites undergoing an independent cleanup:

Not reported

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

5 - Lowest assessed risk to human health and to the environment

Affected Media: Surface Water

Media Status: S (Suspected) - Due to preliminary investigations or the nature of business operations or manufacturing processes, certain contaminants are suspected to be present at the site

Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
Horizontal Collection Method:	4
EPA Priority Pollutants - Metals and Cyanide:	Suspected to be present
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Suspected to be present
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Not reported
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

STONE PROPERTY 55TH AV (Continued)

S102258343

Conventional Contaminants, Organic: Suspected to be present
 Conventional Contaminants, Inorganic: Not reported

Facility ID: 2596
 Responsible Unit: NW
 Latitude: 47 31 40
 Longitude: 122 15 52

Ecology Site Status relative to the MTCA cleanup process:
 Ranked, Awaiting Remedial Action (RA)

Independent Site Status - those sites undergoing an independent cleanup:
 Not reported

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
 5 - Lowest assessed risk to human health and to the environment

Affected Media: Soil

Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
Horizontal Collection Method:	4
EPA Priority Pollutants - Metals and Cyanide:	Suspected to be present
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Confirmed above MTCA cleanup levels
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Not reported
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Suspected to be present
Conventional Contaminants, Inorganic:	Not reported

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)	Facility ID
SEATTLE	U003750257	WDOT I-90/RAINIER AVE	I-90 & RAINIER AVE S		UST	200821
SEATTLE	S103512940	CALIFORNIA AVE. LAW APTS. PROP.	3703, 3705, 3707 CALIFORNIA AVE.		WA ICR	
SEATTLE	S104223669	SR 99 & FIRST AVE. BRIDGE SPILL/WSDOT	SR 99 / FIRST AVE. BRIDGE		WA ICR	
SEATTLE	S103511549	BNRR (FORMER GLACIER PARK PROPERTY)	SW CORNER OCCIDENTAL AVE./LANDER ST.		WA ICR	
SEATTLE	1000199716	DUWAMISH RIV ABANDONE	DIRECTOR ST FOOT OF	98118	RCRIS-SQG, FINDS	
SEATTLE	S103502918	EXXON #7 2894	12911 EMPIRE WAY S.	98178	WA ICR	
SEATTLE	S103507006	EXXON #7 2894 (TWO REPORTS)	12911 EMPIRE WAY S.	98178	WA ICR	
SEATTLE	S104484601	UNOCAL #3707	6956 ML KING JR. WAY S.	98118	WA ICR	
SEATTLE	S104484739	UNOCAL #3707 (TWO REPORTS)	6956 ML KING JR. WAY S.	98118	WA ICR	
SEATTLE	S104918005	JIMS MARKET & GAS	7500 M L KING JR WAY S	98118	CSCSL	94253462
SEATTLE	U003750488	HELMER'S AUTO PARTS	6700 M L KING JR WAY S	98118	WA ICR, UST	548239
SEATTLE	S103503377	ARCO #5246	5620 MARTIN LUTHER KING WAY	98118	WA ICR	
SEATTLE	S103509905	TEXACO #004502	6600 MARTIN LUTHER KING	98118	WA ICR	
SEATTLE	S103850615	SOUTHLAND #27390	6061 MARTIN LUTHER KING WAY	98118	WA ICR	
SEATTLE	S104223457	EXXON #7 9049	6056 MLK JR. WAY S.	98118	WA ICR	
SEATTLE	S104223707	EXXON #7 9049 (TWO REPORTS)	6056 MLK JR. WAY S.	98118	WA ICR	
SEATTLE	1000354838	LILLY INDUSTRIES INC	13535 MONSTER RD S	98178	EMI, FINDS, WA ICR, RCRIS-LQG, TRIS, CERC-NFRAP	0242
SEATTLE	1001491310	SEATTLE CITY RAINIER AVE ILLEGAL DUMP	1000 FT NW OF RAINIER AVE S ON	98118	RCRIS-SQG, FINDS	
SEATTLE	S103350801	SOUTH TS / SOUTH HHW FACILITY - MRW	7800 SECOND AVENUE S		SWF/LF	NKS6
SEATTLE	S103509780	TERMINAL 91/PACIFIC OIL	TERMINAL 91	98118	WA ICR	
TUKWILA	S102258296	RENTON SAND & GRAVEL RIVERVIEW	15031 / 15034 MONSTER RD SW	98178	CSCSL	2589

EPA Waste Codes Addendum

Code	Description
------	-------------

D008	LEAD
------	------

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Elapsed ASTM days: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL ASTM STANDARD RECORDS

NPL: National Priority List

Source: EPA

Telephone: N/A

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/22/01

Date Made Active at EDR: 12/11/01

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 11/05/01

Elapsed ASTM days: 36

Date of Last EDR Contact: 11/05/01

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1

Telephone 617-918-1143

EPA Region 3

Telephone 215-814-5418

EPA Region 4

Telephone 404-562-8033

EPA Region 6

Telephone: 214-655-6659

EPA Region 8

Telephone: 303-312-6774

Proposed NPL: Proposed National Priority List Sites

Source: EPA

Telephone: N/A

Date of Government Version: 10/22/01

Date Made Active at EDR: 12/11/01

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 11/05/01

Elapsed ASTM days: 36

Date of Last EDR Contact: 11/05/01

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

Source: EPA

Telephone: 703-413-0223

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 07/12/01

Date Made Active at EDR: 10/16/01

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 09/24/01

Elapsed ASTM days: 22

Date of Last EDR Contact: 09/24/01

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Source: EPA

Telephone: 703-413-0223

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/12/01
Date Made Active at EDR: 10/16/01
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 09/24/01
Elapsed ASTM days: 22
Date of Last EDR Contact: 09/24/01

CORRACTS: Corrective Action Report

Source: EPA

Telephone: 800-424-9346

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/20/01
Date Made Active at EDR: 10/30/01
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 09/24/01
Elapsed ASTM days: 36
Date of Last EDR Contact: 09/11/01

RCRIS: Resource Conservation and Recovery Information System

Source: EPA/NTIS

Telephone: 800-424-9346

Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Date of Government Version: 08/21/00
Date Made Active at EDR: 07/31/00
Database Release Frequency: Varies

Date of Data Arrival at EDR: 07/10/00
Elapsed ASTM days: 21
Date of Last EDR Contact: 11/07/01

ERNS: Emergency Response Notification System

Source: EPA/NTIS

Telephone: 202-260-2342

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 08/08/00
Date Made Active at EDR: 09/06/00
Database Release Frequency: Varies

Date of Data Arrival at EDR: 08/11/00
Elapsed ASTM days: 26
Date of Last EDR Contact: 10/25/01

FEDERAL ASTM SUPPLEMENTAL RECORDS

BRS: Biennial Reporting System

Source: EPA/NTIS

Telephone: 800-424-9346

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/99
Database Release Frequency: Biennially

Date of Last EDR Contact: 09/18/01
Date of Next Scheduled EDR Contact: 12/17/01

CONSENT: Superfund (CERCLA) Consent Decrees

Source: EPA Regional Offices

Telephone: Varies

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: N/A
Database Release Frequency: Varies

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

ROD: Records Of Decision

Source: NTIS

Telephone: 703-416-0223

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/30/00
Database Release Frequency: Annually

Date of Last EDR Contact: 10/09/01
Date of Next Scheduled EDR Contact: 01/07/02

DELISTED NPL: National Priority List Deletions

Source: EPA
Telephone: N/A

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 11/13/01
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 11/05/01
Date of Next Scheduled EDR Contact: 02/04/02

FINDS: Facility Index System/Facility Identification Initiative Program Summary Report

Source: EPA
Telephone: N/A

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 10/29/01
Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/08/01
Date of Next Scheduled EDR Contact: 01/07/02

HMIRS: Hazardous Materials Information Reporting System

Source: U.S. Department of Transportation
Telephone: 202-366-4526

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 05/31/01
Database Release Frequency: Annually

Date of Last EDR Contact: 10/22/01
Date of Next Scheduled EDR Contact: 01/21/02

MLTS: Material Licensing Tracking System

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 05/29/01
Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/08/01
Date of Next Scheduled EDR Contact: 01/07/02

MINES: Mines Master Index File

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959

Date of Government Version: 08/24/01
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 10/01/01
Date of Next Scheduled EDR Contact: 12/31/01

NPL LIENS: Federal Superfund Liens

Source: EPA
Telephone: 205-564-4267

Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/91
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 11/19/01
Date of Next Scheduled EDR Contact: 02/18/02

PADS: PCB Activity Database System

Source: EPA

Telephone: 202-260-3936

PCB Activity Database. PADS identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 09/30/01
Database Release Frequency: Annually

Date of Last EDR Contact: 11/13/01
Date of Next Scheduled EDR Contact: 02/12/02

RAATS: RCRA Administrative Action Tracking System

Source: EPA

Telephone: 202-564-4104

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/95
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 09/13/01
Date of Next Scheduled EDR Contact: 12/10/01

TRIS: Toxic Chemical Release Inventory System

Source: EPA

Telephone: 202-260-1531

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/99
Database Release Frequency: Annually

Date of Last EDR Contact: 09/24/01
Date of Next Scheduled EDR Contact: 12/24/01

TSCA: Toxic Substances Control Act

Source: EPA

Telephone: 202-260-1444

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/98
Database Release Frequency: Every 4 Years

Date of Last EDR Contact: 10/24/01
Date of Next Scheduled EDR Contact: 01/21/02

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-564-2501

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/19/01
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/25/01
Date of Next Scheduled EDR Contact: 12/24/01

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA

Telephone: 202-564-2501

Date of Government Version: 07/19/01
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/25/01
Date of Next Scheduled EDR Contact: 12/24/01

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STATE OF WASHINGTON ASTM STANDARD RECORDS

CSCSL: Confirmed & Suspected Contaminated Sites List

Source: Department of Ecology

Telephone: 360-407-7200

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 05/30/01

Date Made Active at EDR: 07/11/01

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 06/11/01

Elapsed ASTM days: 30

Date of Last EDR Contact: 11/20/01

HSL: Hazardous Sites List

Source: Department of Ecology

Telephone: 360-407-7200

The Hazardous Sites List is a subset of the CSCSL Report. It includes sites which have been assessed and ranked using the Washington Ranking Method (WARM).

Date of Government Version: 08/28/01

Date Made Active at EDR: 10/03/01

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 09/10/01

Elapsed ASTM days: 23

Date of Last EDR Contact: 09/10/01

SWF/LF: Solid Waste Facility Database

Source: Department of Ecology

Telephone: 360-407-6132

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 12/01/01

Date Made Active at EDR: 12/19/01

Database Release Frequency: Annually

Date of Data Arrival at EDR: 12/04/01

Elapsed ASTM days: 15

Date of Last EDR Contact: 10/26/01

LUST: Leaking Underground Storage Tanks Site List

Source: Department of Ecology

Telephone: 360-407-7200

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 12/07/01

Date Made Active at EDR: 12/19/01

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 12/10/01

Elapsed ASTM days: 9

Date of Last EDR Contact: 09/13/01

UST: Underground Storage Tank Database

Source: Department of Ecology

Telephone: 360-407-7170

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 12/07/01

Date Made Active at EDR: 12/20/01

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 12/10/01

Elapsed ASTM days: 10

Date of Last EDR Contact: 09/13/01

STATE OF WASHINGTON ASTM SUPPLEMENTAL RECORDS

ICR: Independent Cleanup Reports

Source: Department of Ecology

Telephone: 360-407-7200

These are remedial action reports Ecology has received from either the owner or operator of the sites. These actions have been conducted without department oversight or approval and are not under an order or decree.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/31/01
Database Release Frequency: Quarterly

Date of Last EDR Contact: 11/19/01
Date of Next Scheduled EDR Contact: 02/18/02

CSCSL NFA: Confirmed & Contaminated Sites - No Further Action

Source: Department of Ecology
Telephone: 360-407-7170

The data set contains information about sites previously on the Confirmed and Suspected Contaminated Sites list that have received a No Further Action (NFA) determination. Because it is necessary to maintain historical records of sites that have been investigated and cleaned up, sites are not deleted from the database when cleanup activities are completed. Instead, a No Further Action code is entered based upon the type of NFA determination the site received.

Date of Government Version: 05/30/01
Database Release Frequency: N/A

Date of Last EDR Contact: 11/20/01
Date of Next Scheduled EDR Contact: 02/18/02

EMI: Washington Emissions Data System

Source: Department of Ecology
Telephone: 360-407-6040

Date of Government Version: 12/31/99
Database Release Frequency: Annually

Date of Last EDR Contact: 10/24/01
Date of Next Scheduled EDR Contact: 01/21/02

LOCAL RECORDS

KING COUNTY:

Abandoned Landfill Study in King County

Source: Seattle-King County Department of Public Health
Telephone: 206-296-4785

The King County Abandoned Landfill Survey was conducted from October through December 1984 by the Health Department's Environmental Health Division at the request of the King County Council. The primary objective of the survey was to determine if any public health problems existed at the predetermined 24 sites.

Date of Government Version: 04/30/85
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 10/21/94
Date of Next Scheduled EDR Contact: N/A

SEATTLE COUNTY:

Abandoned Landfill Study in the City of Seattle

Source: Seattle - King County Department of Public Health
Telephone: 206-296-4785

The Seattle Abandoned Landfill Survey was conducted in June and July of 1984 by the Health Department's Environmental Health Division at the request of the Mayor's Office. The primary objective of the survey was to determine if any public health problems existed at the predetermined 12 sites.

Date of Government Version: 07/30/84
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 10/21/94
Date of Next Scheduled EDR Contact: N/A

SEATTLE/KING COUNTY:

Seattle - King County Abandoned Landfill Toxicity / Hazard Assessment Project

Source: Department of Public Health
Telephone: 206-296-4785

This report presents the Seattle-King County Health Department's follow-up investigation of two city owned and four county owned abandoned landfills which was conducted from February to December 1986.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/86
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 08/14/95
Date of Next Scheduled EDR Contact: N/A

SNOHOMISH COUNTY:

Solid Waste Sites of Record at Snohomish Health District

Source: Snohomish Health District
Telephone: 206-339-5250

Date of Government Version: 01/08/01
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 10/24/01
Date of Next Scheduled EDR Contact: 01/21/02

TACOMA/PIERCE COUNTY:

Closed Landfill Survey

Source: Tacoma-Pierce County Health Department
Telephone: 206-591-6500

Following numerous requests for information about closed dumpsites and landfills in Pierce County, the Tacoma-Pierce County Health Department decided to conduct a study on the matter. The aim of the study was to evaluate public health risks associated with the closed dumpsites and landfills, and to determine the need, if any, for further investigations of a more detailed nature. The sites represent all of the known dumpsites and landfills closed after 1950.

Date of Government Version: 04/15/93
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 01/11/95
Date of Next Scheduled EDR Contact: N/A

EDR PROPRIETARY DATABASES

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

Disclaimer Provided by Real Property Scan, Inc.

The information contained in this report has predominantly been obtained from publicly available sources produced by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal opinion.

HISTORICAL AND OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Oil/Gas Pipelines/Electrical Transmission Lines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines and electrical transmission lines.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 1999 from the U.S. Fish and Wildlife Service.

GEOCHECK® - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

HARRY VELDWYK
9420 RAINIER AVENUE SOUTH
SEATTLE, WA 98118

TARGET PROPERTY COORDINATES

Latitude (North):	47.519989 - 47° 31' 12.0"
Longitude (West):	122.264397 - 122° 15' 51.8"
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	555381.1
UTM Y (Meters):	5262995.0

EDR's GeoCheck Physical Setting Source Addendum has been developed to assist the environmental professional with the collection of physical setting source information in accordance with ASTM 1527-00, Section 7.2.3. Section 7.2.3 requires that a current USGS 7.5 Minute Topographic Map (or equivalent, such as the USGS Digital Elevation Model) be reviewed. It also requires that one or more additional physical setting sources be sought when (1) conditions have been identified in which hazardous substances or petroleum products are likely to migrate to or from the property, and (2) more information than is provided in the current USGS 7.5 Minute Topographic Map (or equivalent) is generally obtained, pursuant to local good commercial or customary practice, to assess the impact of migration of recognized environmental conditions in connection with the property. Such additional physical setting sources generally include information about the topographic, hydrologic, hydrogeologic, and geologic characteristics of a site, and wells in the area.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata. EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

USGS TOPOGRAPHIC MAP ASSOCIATED WITH THIS SITE

Target Property: 2447122-E3 SEATTLE SOUTH, WA
Source: USGS 7.5 min quad index

GENERAL TOPOGRAPHIC GRADIENT AT TARGET PROPERTY

Target Property: General NNE

Source: General Topographic Gradient has been determined from the USGS 1 Degree Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County
KING, WA

FEMA Flood
Electronic Data
YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 53033C0645F / CWPP

Additional Panels in search area: 53033C0675F / CWNP

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property
SEATTLE SOUTH

NWI Electronic
Data Coverage
YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Site-Specific Hydrogeological Data*:

Search Radius: 2.0 miles
 Location Relative to TP: 1 - 2 Miles WSW
 Site Name: DIMENSIONAL ENGINEERING
 Site EPA ID Number: WAD079247474
 Groundwater Flow Direction: NW
 Inferred Depth to Water: 13 feet
 Hydraulic Connection: Based on a soil boring, the site is underlain by sands to a depth of 96 feet.
 Sole Source Aquifer: A sole source aquifer is not present at or near the site
 Data Quality: Information is inferred in the CERCLIS investigation report(s)

AQUIFLOW®

Search Radius: 2.000 Miles.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
1	0 - 1/8 Mile East	NNE
3	1 - 2 Miles NNW	SE
4	1 - 2 Miles SW	Not Reported
5	1 - 2 Miles NNW	Not Reported
6	1 - 2 Miles SSE	N
A7	1 - 2 Miles NNW	Not Reported
A8	1 - 2 Miles NNW	Not Reported

For additional site information, refer to Physical Setting Source Map Findings.

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

GEOLOGIC AGE IDENTIFICATION

Era:	Cenozoic	Category:	Stratified Sequence
System:	Quaternary		
Series:	Quaternary		
Code:	Q (decoded above as Era, System & Series)		

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

*©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: ALDERWOOD

Soil Surface Texture: gravelly - sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained. Soils have a layer of low hydraulic conductivity, wet state high in the profile. Depth to water table is 3 to 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: MODERATE

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

Soil Layer Information							
Layer	Boundary		Classification				
	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	7 inches	gravelly - sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COURSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 6.00 Min: 2.00	Max: 6.50 Min: 5.10
2	7 inches	35 inches	very gravelly - loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COURSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 6.00 Min: 2.00	Max: 6.50 Min: 5.10
3	35 inches	39 inches	cemented	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: silt loam
very gravelly - sandy loam

Surficial Soil Types: silt loam
very gravelly - sandy loam

Shallow Soil Types: silt loam

Deeper Soil Types: very gravelly - coarse sand
stratified
very gravelly - sand
very gravelly - loamy sand

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

According to ASTM E 1527-00, Section 7.2.2, "one or more additional state or local sources of environmental records may be checked, in the discretion of the environmental professional, to enhance and supplement federal and state sources... Factors to consider in determining which local or additional state records, if any, should be checked include (1) whether they are reasonably ascertainable, (2) whether they are sufficiently useful, accurate, and complete in light of the objective of the records review (see 7.1.1), and (3) whether they are obtained, pursuant to local, good commercial or customary practice." One of the record sources listed in Section 7.2.2 is water well information. Water well information can be used to assist the environmental professional in assessing sources that may impact groundwater flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
2	473149122161701	1/2 - 1 Mile NNW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

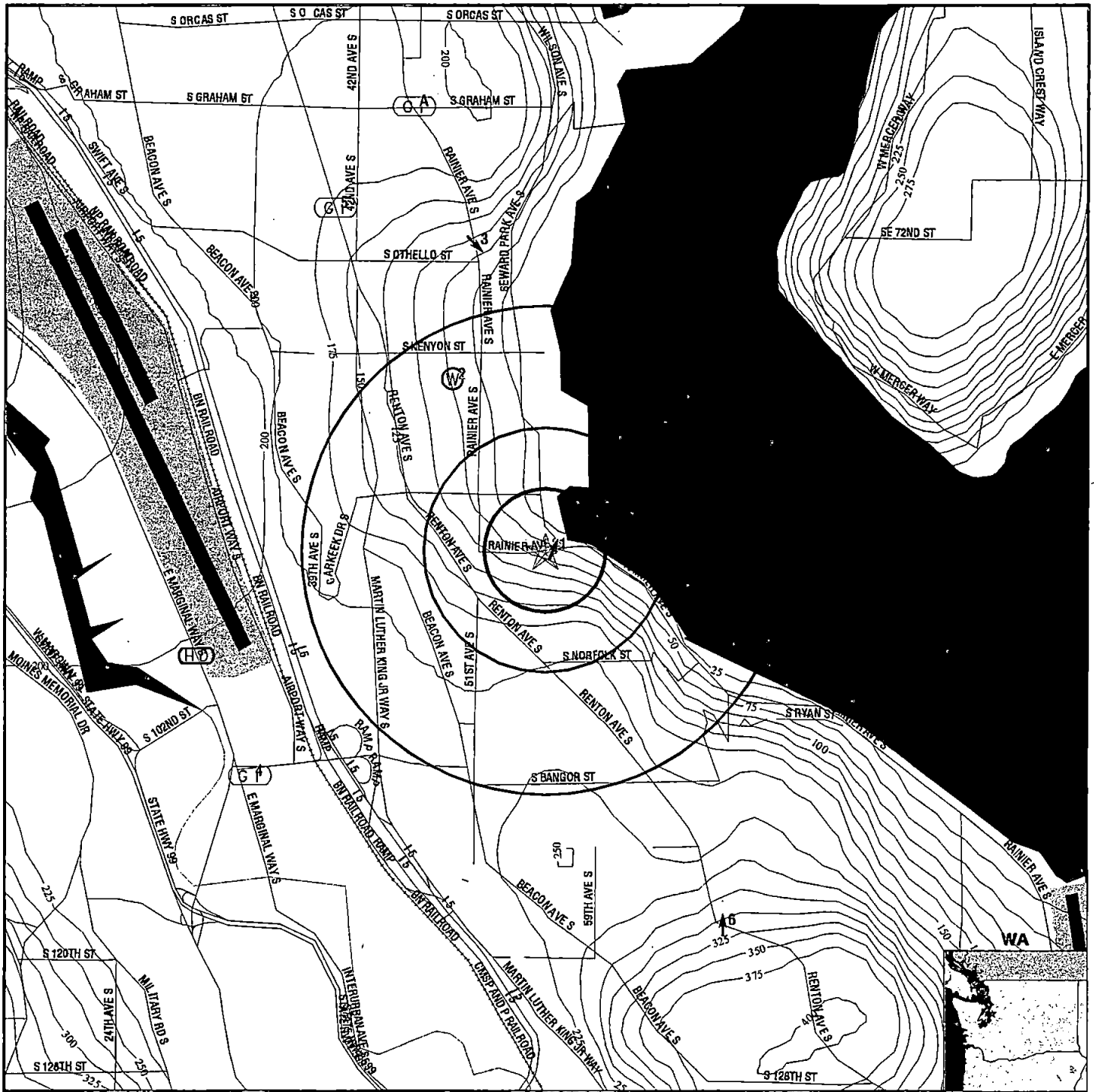
MAP ID

WELL ID

LOCATION
FROM TP

No Wells Found

PHYSICAL SETTING SOURCE MAP - 718260.1s



- Major Roads
- Contour Lines
- Airports
- Water Wells
- Public Water Supply Wells
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Cluster of Multiple Icons

- Earthquake epicenter, Richter 5 or greater
- Closest Hydrogeological Data



TARGET PROPERTY: ADDRESS: CITY/STATE/ZIP: LAT/LONG:	Harry Veldwyk 9420 Rainier Avenue South Seattle WA 98118 47.5200 / 122.2644	CUSTOMER: CONTACT: INQUIRY #: DATE:	Geo Group Northwest Inc. Wade Lassey 718260.1s December 27, 2001 2:59 pm
---	--	---	---

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

1 East 0 - 1/8 Mile Higher	Site ID: 1321 Groundwater Flow: NNE Shallowest Water Table Depth: 10.93 Deepest Water Table Depth: 15.50 Average Water Table Depth: Not Reported Date: 11/21/1997	AQUIFLOW 41977
--	--	------------------------------

2 NNW 1/2 - 1 Mile Higher		FED USGS 473149122161701
---	--	--

BASIC WELL DATA

Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	1935	County:	Not Reported
Altitude:	60.00 ft.	State:	Not Reported
Well Depth:	294.00 ft.	Topographic Setting:	Not Reported
Depth to Water Table:	Not Reported	Prim. Use of Site:	Withdrawal of water
Date Measured:	Not Reported	Prim. Use of Water:	Domestic

3 NNW 1 - 2 Miles Higher	Site ID: 4928 Groundwater Flow: SE Shallowest Water Table Depth: 9.23 Deepest Water Table Depth: 12.65 Average Water Table Depth: Not Reported Date: 10/23/1993	AQUIFLOW 61091
--	--	------------------------------

4 SW 1 - 2 Miles Higher	Site ID: 2244011310 Groundwater Flow: Not Reported Shallowest Water Table Depth: 9 Deepest Water Table Depth: 10 Average Water Table Depth: Not Reported Date: Not Reported	AQUIFLOW 60986
---	--	------------------------------

5 NNW 1 - 2 Miles Higher	Site ID: 1863 Groundwater Flow: Not Reported Shallowest Water Table Depth: 2.66 Deepest Water Table Depth: 4.40 Average Water Table Depth: Not Reported Date: 11/28/1995	AQUIFLOW 41857
--	---	------------------------------

6 SSE 1 - 2 Miles Higher	Site ID: 2140 Groundwater Flow: N Shallowest Water Table Depth: 15.48 Deepest Water Table Depth: 16.58 Average Water Table Depth: Not Reported Date: 05/1993	AQUIFLOW 61239
--	---	------------------------------

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A7
NNW
1 - 2 Miles
Higher

Site ID: 3833
Groundwater Flow: Not Reported
Shallowest Water Table Depth: Not Reported
Deepest Water Table Depth: Not Reported
Average Water Table Depth: 2
Date: 03/15/1993

AQUIFLOW 61386

A8
NNW
1 - 2 Miles
Higher

Site ID: 5601007161
Groundwater Flow: Not Reported
Shallowest Water Table Depth: 7
Deepest Water Table Depth: 10
Average Water Table Depth: Not Reported
Date: 01/10/1995

AQUIFLOW 61047

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for KING County: 3

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level \geq 2 pCi/L and \leq 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Zip Code: 98118

Number of sites tested: 3

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	Not Reported	Not Reported	Not Reported	Not Reported
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.567 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 1999 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW[®] Information System

Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the national Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-260-2805

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-260-2805

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: In November 1971 the United States Geological Survey (USGS) implemented a national water resource information tracking system. This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on more than 900,000 wells, springs, and other sources of groundwater.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STATE RECORDS

Water Wells

Source: Department of Transportation
Telephone: 360-705-7444
Group A well location points in Washington State.

Kitsap County Water Wells in Washington

Source: Public Utility District No. 1 of Kitsap County
Telephone: 206-779-7656

RADON

Area Radon Information: The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones: Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

APPENDIX B
E-1489

LABORATORY RESULTS

Geo Group Northwest, Inc.

From: "David Baumeister" <dbaumeister@onsite-env.com>
To: "Wade Lassey" <wchang@geogroupnw.com>
Sent: Tuesday, January 15, 2002 11:58 AM
Attach: 0201-015.doc
Subject: OnSite Data for project E-1489

Wade,

As always, please call me with any questions. Please note that I am still waiting for the final QA/QC for the Diesel data. It will follow in the final report.

Thanks,
David

David Baumeister
Project Manager
OnSite Environmental, Inc.
dbaumeister@onsite-env.com
Phone: 425-883-3881
Fax: 425-885-4603

January 15, 2002

Wade Lassey
GEO Group Northwest, Inc.
13240 NE 20th Street, Suite 12
Bellevue, WA 98005

Re: Analytical Data for Project E-1489
Laboratory Reference No. 0201-015

Dear Wade:

Enclosed are the analytical results and associated quality control data for samples submitted on January 4, 2002. **Please note that the Diesel Data is preliminary pending final review.**

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: January 15, 2002
Samples Submitted: January 4, 2002
Lab Traveler: 01-015
Project: E-1489

NWTPH-HCID

Date Extracted: 1-7-02
Date Analyzed: 1-7-02

Matrix: Water
Units: mg/L (ppm)

Client ID: B1-6W25
Lab ID: 01-015-01

Gasoline: ND
PQL: 0.25

Diesel Fuel: ND
PQL: 0.40

Heavy Oil: ND
PQL: 0.40

Surrogate Recovery:
o-Terphenyl 104%

Flags:

Date of Report: January 15, 2002
Samples Submitted: January 4, 2002
Lab Traveler: 01-015
Project: E-1489

**NWTPH-HCID
METHOD BLANK QUALITY CONTROL**

Date Extracted: 1-7-02
Date Analyzed: 1-7-02

Matrix: Water
Units: mg/L (ppm)

Lab ID: MB0107W1

Gasoline: ND
PQL: 0.25

Diesel Fuel: ND
PQL: 0.40

Heavy Oil: ND
PQL: 0.40

Surrogate Recovery:
o-Terphenyl 92%

Flags

Date of Report: January 15, 2002
 Samples Submitted: January 4, 2002
 Lab Traveler: 01-015
 Project: E-1489

NWTPH-HCID

Date Extracted: 1-7-02
 Date Analyzed: 1-7-02

Matrix: Soil
 Units: mg/Kg (ppm)

Client ID:	B1-10	B1-12.5	B1-15
Lab ID:	01-015-02	01-015-03	01-015-04
Gasoline:	ND	Gasoline Range	ND
PQL:	23	Hydrocarbons	29
		33	
Diesel Fuel:	ND	ND	ND
PQL:	57	82	74
Heavy Oil:	ND	ND	ND
PQL:	110	160	150
Surrogate Recovery:			
o-Terphenyl	90%	78%	75%

Flags:

Date of Report: January 15, 2002
Samples Submitted: January 4, 2002
Lab Traveler: 01-015
Project: E-1489

NWTPH-HCID

Date Extracted: 1-7-02
Date Analyzed: 1-7&8-01

Matrix: Soil
Units: mg/Kg (ppm)

Client ID: B2-14
Lab ID: 01-015-05

Gasoline: ND
PQL: 280

Diesel Fuel: ND
PQL: 690

Heavy Oil: Heavy Oil
PQL: 560

Surrogate Recovery:
o-Terphenyl ---

Flags: S

Date of Report: January 15, 2002
Samples Submitted: January 4, 2002
Lab Traveler: 01-015
Project: E-1489

**NWTPH-HCID
METHOD BLANK QUALITY CONTROL**

Date Extracted: 1-7-02
Date Analyzed: 1-7-02

Matrix: Soil
Units: mg/Kg (ppm)

Lab ID: MB0107S1

Gasoline: ND
PQL: 20

Diesel Fuel: ND
PQL: 50

Heavy Oil: ND
PQL: 100

Surrogate Recovery:
o-Terphenyl 111%

Flags

Date of Report: January 15, 2002
 Samples Submitted: January 4, 2002
 Lab Traveler: 01-015
 Project: E-1489

HALOGENATED VOLATILES by EPA 8260B

Page 1 of 2

Date Extracted: 1-4-02
 Date Analyzed: 1-4-02
 Matrix: Water
 Units: ug/L (ppb)
 Lab ID: 01-015-01
 Client ID: B1-GW25

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		0.20
Vinyl Chloride	ND		0.20
Bromomethane	ND		1.0
Chloroethane	ND		0.20
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Iodomethane	ND		1.0
Methylene Chloride	ND		1.0
(trans) 1,2-Dichloroethene	ND		0.20
1,1-Dichloroethane	ND		0.20
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
(trans) 1,3-Dichloropropene	ND		0.20
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20

Date of Report: January 15, 2002
 Samples Submitted: January 4, 2002
 Lab Traveler: 01-015
 Project: E-1489

HALOGENATED VOLATILES by EPA 8260B

Page 2 of 2

Lab ID: 01-015-01
 Client ID: B1-GW25

Compound	Results	Flags	PQL
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Bromoform	ND		1.0
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	101	71-133
Toluene, d8	109	80-151
4-Bromofluorobenzene	95	75-139

Date of Report: January 15, 2002
 Samples Submitted: January 4, 2002
 Lab Traveler: 01-015
 Project: E-1489

**HALOGENATED VOLATILES by EPA 8260B
 METHOD BLANK QUALITY CONTROL**

Page 1 of 2

Date Extracted: 1-4-02
 Date Analyzed: 1-4-02

Matrix: Water
 Units: ug/L (ppb)

Lab ID: MB0104W1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		0.20
Vinyl Chloride	ND		0.20
Bromomethane	ND		1.0
Chloroethane	ND		0.20
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Iodomethane	ND		1.0
Methylene Chloride	ND		1.0
(trans) 1,2-Dichloroethene	ND		0.20
1,1-Dichloroethane	ND		0.20
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
(trans) 1,3-Dichloropropene	ND		0.20
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20

Date of Report: January 15, 2002
 Samples Submitted: January 4, 2002
 Lab Traveler: 01-015
 Project: E-1489

HALOGENATED VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
 Page 2 of 2

Lab ID: MB0104W1

Compound	Results	Flags	PQL
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Bromoform	ND		1.0
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
1,2,3-Trichlorobenzene	ND		0.20
	Percent		Control
Surrogate	Recovery		Limits
Dibromofluoromethane	103		71-133
Toluene, d8	105		80-151
4-Bromofluorobenzene	95		75-139

Date of Report: January 15, 2002
Samples Submitted: January 4, 2002
Lab Traveler: 01-015
Project: E-1489

**HALOGENATED VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL**

Date Extracted: 1-4-02
Date Analyzed: 1-4-02

Matrix: Water
Units: ug/L (ppb)

Lab ID: SB0104W1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	RPD	Flags
1,1-Dichloroethene	10.0	7.40	74	7.55	76	2.1	
Benzene	10.0	8.64	86	8.85	89	2.4	
Trichloroethene	10.0	9.42	94	9.14	91	3.0	
Toluene	10.0	9.39	94	9.29	93	1.0	
Chlorobenzene	10.0	8.88	89	8.97	90	1.0	

Date of Report: January 15, 2002
Samples Submitted: January 4, 2002
Lab Traveler: 01-015
Project: E-1489

NWTPH-Gx/BTEX

Date Extracted: 1-14-02
Date Analyzed: 1-14-02

Matrix: Soil
Units: mg/Kg (ppm)

Client ID: B1-12.5
Lab ID: 01-015-03

	Result	Flags	PQL
Benzene	2.2		0.016
Toluene	ND		0.082
Ethyl Benzene	1.7		0.082
m,p-Xylene	1.3		0.082
o-Xylene	ND		0.082
TPH-Gas	220		8.2
Surrogate Recovery: Fluorobenzene	61%		

Date of Report: January 15, 2002
Samples Submitted: January 4, 2002
Lab Traveler: 01-015
Project: E-1489

**NWTPH-Gx/BTEX
METHOD BLANK QUALITY CONTROL**

Date Extracted: 1-14-02
Date Analyzed: 1-14-02

Matrix: Soil
Units: mg/Kg (ppm)

Lab ID: MB0114S1

	Result	Flags	PQL
Benzene	ND		0.010
Toluene	ND		0.050
Ethyl Benzene	ND		0.050
m,p-Xylene	ND		0.050
o-Xylene	ND		0.050
TPH-Gas	ND		5.0
Surrogate Recovery: Fluorobenzene	92%		

Date of Report: January 15, 2002
Samples Submitted: January 4, 2002
Lab Traveler: 01-015
Project: E-1489

**NWTPH-Gx/BTEX
DUPLICATE QUALITY CONTROL**

Date Extracted: 1-14-02
Date Analyzed: 1-14-02

Matrix: Soil
Units: mg/Kg (ppm)

Lab ID:	01-022-06 Original	01-022-06 Duplicate	RPD	Flags
Benzene	ND	ND	NA	
Toluene	ND	ND	NA	
Ethyl Benzene	ND	ND	NA	
m,p-Xylene	ND	ND	NA	
o-Xylene	ND	ND	NA	
TPH-Gas	ND	ND	NA	
Surrogate Recovery:				
Fluorobenzene	80%	79%		

Date of Report: January 15, 2002
 Samples Submitted: January 4, 2002
 Lab Traveler: 01-015
 Project: E-1489

**NWTPH-Gx/BTEX
 MS/MSD QUALITY CONTROL**

Date Extracted: 1-14-02
 Date Analyzed: 1-14-02

Matrix: Soil
 Units: mg/Kg (ppm)

Spike Level: 1.00 ppm

Lab ID:	01-022-06 MS	Percent Recovery	01-022-06 MSD	Percent Recovery	RPD	Flags
Benzene	0.824	82	0.769	77	6.9	
Toluene	0.802	80	0.790	79	1.6	
Ethyl Benzene	0.808	81	0.823	82	1.9	
m,p-Xylene	0.808	81	0.823	82	1.8	
o-Xylene	0.789	79	0.802	80	1.7	

Surrogate Recovery:
 Fluorobenzene

79%

81%

Date of Report: January 15, 2002
Samples Submitted: January 4, 2002
Lab Traveler: 01-015
Project: E-1489

NWTPH-Dx

Date Extracted: 1-14-02
Date Analyzed: 1-14-02

Matrix: Soil
Units: mg/Kg (ppm)

Client ID: B2-14
Lab ID: 01-015-05

Diesel Fuel: 620
PQL: 170

Heavy Oil: 4200
PQL: 350

Surrogate Recovery:
o-Terphenyl ----

Flags: S

Date of Report: January 15, 2002
Samples Submitted: January 4, 2002
Lab Traveler: 01-015
Project: E-1489

NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted: 1-14-02
Date Analyzed: 1-14-02

Matrix: Soil
Units: mg/Kg (ppm)

Lab ID: MB0114S1

Diesel Fuel: ND
PQL: 25

Heavy Oil: ND
PQL: 50

Surrogate Recovery:
o-Terphenyl 74%

Flags:

Date of Report: January 15, 2002
Samples Submitted: January 4, 2002
Lab Traveler: 01-015
Project: E-1489

% MOISTURE

Date Analyzed: 1-7-02

Client ID	Lab ID	% Moisture
B1-10	01-015-02	12
B1-12.5	01-015-03	39
B1-15	01-015-04	32
B2-14	01-015-05	28



DATA QUALIFIERS AND ABBREVIATIONS

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

D - Data from 1: ____ dilution.

E - The value reported exceeds the quantitation range, and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

G - Insufficient sample quantity for duplicate analysis.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

O - Hydrocarbons outside the defined gasoline range are present in the sample; NWTPH-Dx recommended.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a silica gel cleanup procedure.

Y - Sample extract treated with an acid cleanup procedure.

Z -

ND - Not Detected at PQL

MRL - Method Reporting Limit

PQL - Practical Quantitation Limit

RPD - Relative Percent Difference

RECEIVED
JAN 24 2002
DEPT OF ECOLOGY

January 24, 2001

Department of Ecology
Independent Clean Up Action Department
3190 160th Ave. S.E.
Bellevue, WA

Dear Department of Ecology:

Enclosed please find a copy of Geotechnical Engineering Study and Environmental Site Assessment reports along with ~~a check~~ in the amount of \$500.00 representing the deposit needed to consider issuing a No Further Action Letter. *no check / may not be a site*

We would like to purchase this property to see if we can remodel it to expand our business. The Lender informs us that they would consider lending the funds to us if we can receive a No Further Action Letter from your department.

Please review and advise us of your position at your earliest convenience.

Sincerely,

Maria Brooks

Maria Brooks

206 725-4804 - work
253 852-6156 Home