



Environmental, Inc.

Underground Storage Tank Removal Report

**6th & Naval Avenue
Bremerton, Washington**

September 12, 2001

Prepared By:

Kane Environmental, Inc.
2415 7th Avenue West
Seattle, WA 98119



John Kane
Principal

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Figure 1 – Soil Confirmation Sampling Locations

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1.0 INTRODUCTION

Kane Environmental, Inc. (Kane Environmental) is pleased to provide this Underground Storage Tank (UST) removal report discussing UST removal activities, soil remediation and confirmational soil sampling at the property located at 6th and Naval Avenue in Bremerton, Washington (Property).

The Property consists one city block bordered by Naval and Roosevelt Avenues and 6th and 7th Streets in Bremerton, Washington (Figure 1). All of the existing structures on this city block have been removed and a Sav-On drugstore will be built on the property in 2002 to service the local community.

A total of three 500-gallon heating oil USTs, two 1,000-gallon heating oil USTs, one 500-gallon used oil UST, three 1,000-gallon diesel USTs, one 5,000-gallon gasoline UST, and one hydraulic piston lift were removed from the Property in August 2001. An area identified as "auto repair" was found in the vicinity of the former Pour House Tavern, located in the southwestern corner of the Property, on a 1947 Sanborn Fire Insurance map (see Kane Environmental's Phase I Environmental Site Assessment and Limited Phase II Report dated March 30, 2001). Petroleum-contaminated soil in the vicinity of the used oil UST and former Kings Pavilion Restaurant heating oil UST was removed and transported to TPS Technologies in Tacoma, Washington for recycling by thermal desorption.

Soil analytical data is provided in Attachment A of this report. The Evaluation of TPH for Soil Cleanup Level is provided in Attachment B.

2.0 SUBSURFACE CONDITIONS

Topography at the Property is generally sloping to the west and southwest.

Groundwater flow is inferred to the west and southwest, following topographical features at the Property. However, groundwater was not encountered during the UST Removal activity and contaminated soil excavation activity to a depth of 18 feet below ground surface (bgs). Groundwater was also not found during the Limited Phase II Investigation conducted in March, 2001 to a depth of 21 feet bgs. It should be noted that a Phase II Investigation conducted at the same time as the 6th & Naval Avenue property by Kane Environmental on a nearby property, known as Chico's Automotive, resulted in no groundwater encountered to a depth of 44 feet bgs. The 6th and Naval Avenue property is approximately 20 feet higher in topographic elevation and is located only two blocks north of the Chico's Automotive property. Furthermore, the EDR-Radius Map Report provided information about groundwater wells in the area (see Attachment A of Kane Environmental's Phase I Environmental Site Assessment and Limited Phase II Report dated March 30, 2001). One well located 1/2 mile

north of the Property was listed as elevation (altitude) 140 feet (plus or minus 10 feet) above sea level with groundwater located 127 feet below the surface. Based on a review of the topographic map, the Property elevation is approximately 100 feet above sea level. Based on this information, the depth to groundwater at the Property would be approximately 70 feet below the surface (plus or minus 10 feet). Based on the drilling activity on and in the vicinity of the Property and a review of groundwater wells in the vicinity of the Property, Kane Environmental estimates that the groundwater is at least 70 feet bgs beneath the Property.

3.0 SAMPLING METHODOLOGY

3.1 Health and Safety Briefing

A health and safety briefing was conducted prior to the start of excavation to remove the USTs and petroleum-contaminated soil and prior to confirmational soil sampling. Potential contaminants, hazardous activities, and preventive measures were discussed. All field personnel from Kane Environmental and its subcontractor, Active Environmental, Inc. of Seattle, WA were trained to perform the work.

3.2 Sampling Collection Methods

Soil grab samples were collected by placing soil directly into laboratory-supplied jars by hand in excavations less than 4 feet deep and from the excavator bucket. The excavator bucket sampling procedure was required because some of the UST excavations exceeded 4 feet below ground surface (bgs). Washington Industrial Safety and Health Administration (WISHA) standards indicate that it is illegal to enter an excavation that is greater than 4 feet deep without protection due to potential for the excavation cave-in.

All sample jars were placed in a chilled cooler until transported the same day to CCI Analytical Laboratories Inc. in Edmonds, Washington and OnSite Environmental, Inc. laboratories in Redmond, WA under Kane Environmental chain-of-custody procedures.

3.3 Field Screening Methods

Following soil collection, soil was inspected for any indication of contamination (sheen, discoloration, and odor). A photoionization detector (PID) was not used during the excavation activity.

4.0 ANALYTICAL METHODS

Selected soil samples collected from the UST excavations and hydraulic piston lift were analyzed for:

- NWTPH-Gas, BTEX and MTBE by EPA Method 8021,
- Diesel & Oil by Northwest Total Petroleum Hydrocarbons NWTPH-D extended,
- Polychlorinated Biphenyls (PCBs) by EPA Method 8082 Modified,
- Polynuclear Aromatic Hydrocarbons by EPA Method 8270C,
- Extractable Petroleum Hydrocarbons by Ecology NW Method,
- Total Lead by EPA Method 6010.

CCI Analytical Laboratories and OnSite Environmental, Inc. in accordance with their in-house Quality Assurance/Quality Control Plan performed the analytical work. Sample analyses were performed in compliance with U.S. Environmental Protection Agency (EPA) analytical methods and Washington Department of Ecology (Ecology) guidelines. All detection limits were within method requirements, and no factors appeared to adversely significantly affect data result quality. Samples were analyzed within specified holding times, except for two soil samples that were reanalyzed for additional parameters. A discussion of these two reanalyzed soil samples is included in Attachment A of this report. The analytical results of the two reanalyzed soil samples do not adversely impact data quality.

5.0 UST REMOVAL ACTIVITIES

Remediation activities were initiated at the Property on July 17, 2001 (Figure 1). A total of 125 gallons of heating oil was removed from the five heating oil USTs on the Property by Emerald Petroleum Services for recycling on July 17, 2001. During this activity, Kane Environmental observed the presence of near-surface 2-inch diameter metal piping located in the southwestern portion of the Property. Kane Environmental retained Underground Detection Services, Corp. of Bellevue, WA to perform an UST locate survey on the Property to determine the potential presence of additional USTs that may have been buried beneath the former Pour House Tavern building in the southwestern portion of the Property. The UST survey, conducted on July 19, 2001, revealed the presence of one 500-gallon used oil UST adjacent to the western sidewalk along Naval Avenue, three 1,000 gallon diesel USTs and one 5,000-gallon UST at the southwestern portion of the Property. All of these USTs were beneath the foundation of the former Pour House Tavern building. The three residential heating oil USTs were removed from the Property on July 20, 2001 and confirmation soil samples were collected.

Four soil screening samples were also collected on July 20, 2001. Soil sample KP-HO-UST: East Sidewall 7-8 ft was collected adjacent to the Kings Pavilion Heating Oil UST, resulting in a TPH-Diesel concentration of 10,000 ppm and non-detectable concentration of TPH-Oil. Soil sample NW Pit: 3-4 ft was collected adjacent to the 500-gallon Used Oil UST, resulting in a TPH-Oil concentration of 4,700 ppm and a non-detectable concentration of TPH-Diesel. Soil sample SE Pit: 4 ft was collected adjacent to some scrap metal found south of the Kings Pavilion Heating Oil UST, resulting in a TPH-Diesel concentration of 61 ppm and a non-detectable concentration of TPH-Oil. Soil sample Alley UST: North Sidewall 7-8 ft was collected adjacent to the Pour House Tavern Heating Oil UST, resulting in non-detectable concentrations of TPH-Diesel and TPH-Oil. (Soil found at the locations of samples KP-HO-UST: East Sidewall 7-8 ft and NW Pit: 3-4 ft was removed and placed in stockpiles that were subsequently transported to TPS Technologies for recycling by thermal desorption.)

Emerald Services returned to the Property on July 25, 2001 to remove oily water from the three 1,000 gallon diesel USTs and the 1,000 gallon heating oil UST associated with the former Kings Pavilion Restaurant building. The 5,000-gallon gasoline UST did not contain product or water.

A marine chemist from Sound Testing Inc, of Seattle, Washington was contracted to inert the tanks with carbon dioxide prior to their removal. Kane Environmental contacted the Bremerton Fire Department, but no permit or on-site inspection was required by the Bremerton Fire Department.

The inside of the tanks were cleaned with a mixture of water and detergent. Emerald Petroleum Services pumped the remaining water and sludge out of each UST on July 27, 2001. The top of the USTs were all located in the upper 3 feet of the surface and UST excavations were compacted following removal. The tanks were transported by Active Environmental to a metal recycling facility in Bremerton, WA for recycling on August 10, 2001.

6.0 TANK PIT SOIL SAMPLING RESULTS

Soil samples were collected from their tank pits as indicated in Figure 1. Selected soil samples were collected and analyzed for diesel and oil range petroleum hydrocarbons using NWTPH-Dx, gasoline range petroleum hydrocarbons using NWTPH-Gx and benzene, toluene, ethylbenzene and total xylenes (BTEX) and MTBE using EPA Method 8021. The soil samples are presented below in Table 1.

Table 1
Soil Confirmation Samples

Sample Number	Sample Location	Sample Depth	Odor	TPH Diesel TPH Oil	TPH Gas	B	T	E	X	MTBE	PCBs	Lead
3-1,000 gallon Diesel UST												
072601-1	Bottom	4'	None	<50	NA	NA	NA	NA	NA	NA	NA	NA
072601-2	Bottom	8'	Slight	<50	NA	NA	NA	NA	NA	NA	NA	NA
072601-3	S. Wall	3'	None	<50/51 Oil	NA	NA	NA	NA	NA	NA	NA	NA
072601-4	E. Wall	4'	Slight	<50	NA	NA	NA	NA	NA	NA	NA	NA
072601-5	N. Wall	4'	None	<50	NA	NA	NA	NA	NA	NA	NA	NA
072601-6	W. Wall	3'	None	<50	NA	NA	NA	NA	NA	NA	NA	NA
500-gallon Used Oil UST												
072601-7	Bottom	6'	Slight	<50	NA	NA	NA	NA	NA	NA	<0.4	NA
072601-8	W. Wall	5'	Slight	<50/20,000 Oil	NA	NA	NA	NA	NA	NA	NA	NA
081001-8A	W. Wall	10'	None	<50	NA	NA	NA	NA	NA	NA	NA	NA
072601-9	N. Wall	5'	Slight	<50/7300 Oil	NA	NA	NA	NA	NA	NA	NA	NA
081001-9A	N. Wall	10'	None	<50	NA	NA	NA	NA	NA	NA	NA	NA
081001-19	E. Wall	6'	None	<57	NA	NA	NA	NA	NA	NA	NA	NA
1,000-gallon Heating Oil UST												
072601-10	Bottom	6'	None	<50/120 Oil	NA	NA	NA	NA	NA	NA	NA	NA
072601-11	E. Wall	4'	None	<50/390 Oil	NA	NA	NA	NA	NA	NA	NA	NA
072601-12	N. Wall	5'	None	<50	NA	NA	NA	NA	NA	NA	NA	NA
5,000-gallon Gasoline UST												
072601-13	W. Wall	6'	None	<50	NA	NA	NA	NA	NA	NA	NA	NA
072601-14	N. Wall	6'	None	<50	<3	<0.03	<0.05	<0.05	<0.20	<0.10	NA	NA
072601-15	E. Wall	6'	None	<50	NA	NA	NA	NA	NA	NA	NA	NA
072601-16	S. Wall	7'	None	<50	<3	<0.03	<0.05	<0.05	<0.20	<0.10	NA	NA
072601-18	Bottom	12'	Slight	<50	6	<0.03	<0.05	<0.05	<0.20	<0.10	NA	<8.0
Stockpile and Hydraulic Lift												
072601-17	Stockpile	9'	Strong	57	NA	NA	NA	NA	NA	NA	NA	NA
Piston	Bottom	8'	None	<28/260	NA	NA	NA	NA	NA	NA	NA	NA
MTCA Method A Cleanup Level mg/kg				3,968*	100	0.5	40	20	20	--	1.0	250

NA = Not Analyzed

mg/kg = milligrams per kilogram

ppm = parts per million

MTCA = Model Toxics Control Act

B = Benzene

T = Toluene

E = Ethylbenzene

X = Total Xylenes

Bold = Concentration over MTCA Calculated Interim TPH level.

* = Calculated Interim TPH Policy Soil Cleanup Level of 3,968 ppm based on the EPH analysis.

Residential Heating Oil USTs

Sample Number	Sample Location	Sample Depth	Odor	TPH Diesel/TPH Oil
HO-UST-1	Bottom	6 ft	None	<55
HO-UST-2	Bottom	6 ft	None	<56
HO-UST-3	Bottom	6 ft	None	<65
MTCA Method A Cleanup Level mg/kg				3,968*

NA = Not Analyzed

mg/kg = milligrams per kilogram

ppm = parts per million

MTCA = Model Toxics Control Act

B = Benzene

T = Toluene

E = Ethylbenzene

X = Total Xylenes

Bold = Concentration over MTCA Calculated Interim TPH level.

* = Calculated Interim TPH Policy Soil Cleanup Level of 3,968 ppm based on the EPH analysis.

Former Pour House Tavern USTs

Three 1,000-Gallon Diesel USTs

All soil confirmation samples collected at the location of the three 1,000-gallon Diesel USTs had concentrations of petroleum hydrocarbons below MTCA Method A and the Calculated Interim Method Cleanup Level, or had non-detectable concentrations.

500-Gallon Used Oil UST

Two soil confirmation samples collected at the location of the 500-gallon Used Oil UST (072601-8 and 072601-9) resulted in concentrations of Heavy Oil of 20,000 ppm and 7,300 ppm, respectively. Approximately two tons of soil at these locations were excavated and subsequently placed on and covered with visqueen. Subsequent soil confirmation samples (081001-8A and 081001-9A) resulted in non-detectable concentrations of TPH-Oil (Table 1). The soil sample collected from the bottom of the Used Oil UST excavation (072601-7) also resulted in non-detectable concentrations of PCBs. However, 30 gallons of PCB-laden oil was found in the product from inside this UST. The concentration of PCBs in this oil was approximately 45 ppm. The PCB-laden oil was placed in a 30-gallon drum on the Property, labeled and will be transported and recycled at a regulated facility.

1,000-Gallon Heating Oil UST

All soil confirmation samples collected at the location of the one 1,000-gallon Heating Oil UST located on the western portion of the Property near the alleyway had concentrations of petroleum hydrocarbons below MTCA Method A and Calculated Interim Method Cleanup Levels, or had non-detectable concentrations.

5,000-Gallon Gasoline UST

Selected confirmation samples collected at the location of the 5,000-gallon Gasoline UST had concentrations of petroleum hydrocarbons below MTCA Method A Soil Cleanup Levels, or had non-detectable concentrations of TPH-Diesel, TPH-Oil, TPH-Gas/BTEX and MTBE (Table 1). The soil sample collected from the bottom of this excavation (072601-18) resulted in a non-detectable concentration of total lead.

Underground Hydraulic Lift

A soil sample collected from the bottom of the underground hydraulic lift (Piston: 8 ft) eight feet below ground surface resulted in non-detectable concentrations of TPH-Diesel and a TPH-Oil concentration of 260 ppm.

Stockpile Soil Sample

A soil sample was collected from a small soil stockpile of the over-excavated soil from the west wall of the 500-Gallon Used Oil UST to determine if the stockpiled soil contained concentrations of TPH-Oil above the cleanup level. The small stockpile resulted in a TPH-Oil concentration of 57 ppm, below the cleanup level.

Residential Heating Oil USTs

Three 500-Gallon Residential Heating Oil USTs and

All soil confirmation samples collected at the location of the three 500-gallon Residential Heating Oil USTs associated with the former residences in the northern portion of the Property had non-detectable concentrations of TPH-Diesel and TPH-Oil. It should be noted that these residential heating oil USTs are exempt, but soil confirmation samples were collected at each location to confirm the absence of heating oil in the soil beneath the residential USTs.

Former Kings Pavilion Restaurant Heating Oil UST

Heating Oil UST

Two soil confirmation samples collected at the location of the 1,000-gallon Heating Oil UST (072701-21 and 072701-23) resulted in concentrations of TPH-Diesel of 7,500 ppm and 4,500 ppm, respectively. Approximately 120 tons of soil was excavated and subsequently placed on and covered with visqueen. Subsequent soil confirmation samples (072701-21A and 072701-23A) resulted in non-detectable

concentrations of TPH-Diesel and TPH-Oil below the calculated Interim TPH Soil Cleanup Level (Table 2).

The two soil samples (south sidewall soil sample 072701-21 and west sidewall sample 072701-23) from the former Kings Pavilion Restaurant Heating Oil UST were used to determine the Interim TPH Soil Cleanup Level. These two soil confirmation samples had the highest concentration of TPH-Diesel. The most conservative calculated Interim TPH Soil Cleanup Level (3,968 ppm) was used as the cleanup level for the Property. Both ITPH worksheets are provided in Attachment B of this report.

Table 2
Soil Confirmation Samples
Former Kings Pavilion Heating Oil UST

Sample Number	Sample Location	Sample Depth	Odor	TPH Diesel/ TPH-Oil
072701-20	S. Wall	10'	Moderate	2,400/<56
072701-21	E. Wall	10'	Moderate	7,500/<270
072701-21A	E. Wall	10-12'	None	120/65
072701-22	N. Wall	10'	Moderate	2800/<55
072701-23	W. Wall	10'	Moderate	4500/<60
072701-23A	W. Wall	10-12'	None	<26/110
072701-24	Bottom	18'	Slight	250/<56
MTCA Interim TPH Cleanup Level mg/kg (ppm)				3,968

mg/kg = milligrams per kilogram

ppm = parts per million

MTCA = Model Toxics Control Act

* = Calculated Interim TPH Policy Soil Cleanup Level of 3,968 ppm based on EPH analysis

Bold = Concentration over MTCA Calculated Interim TPH level.

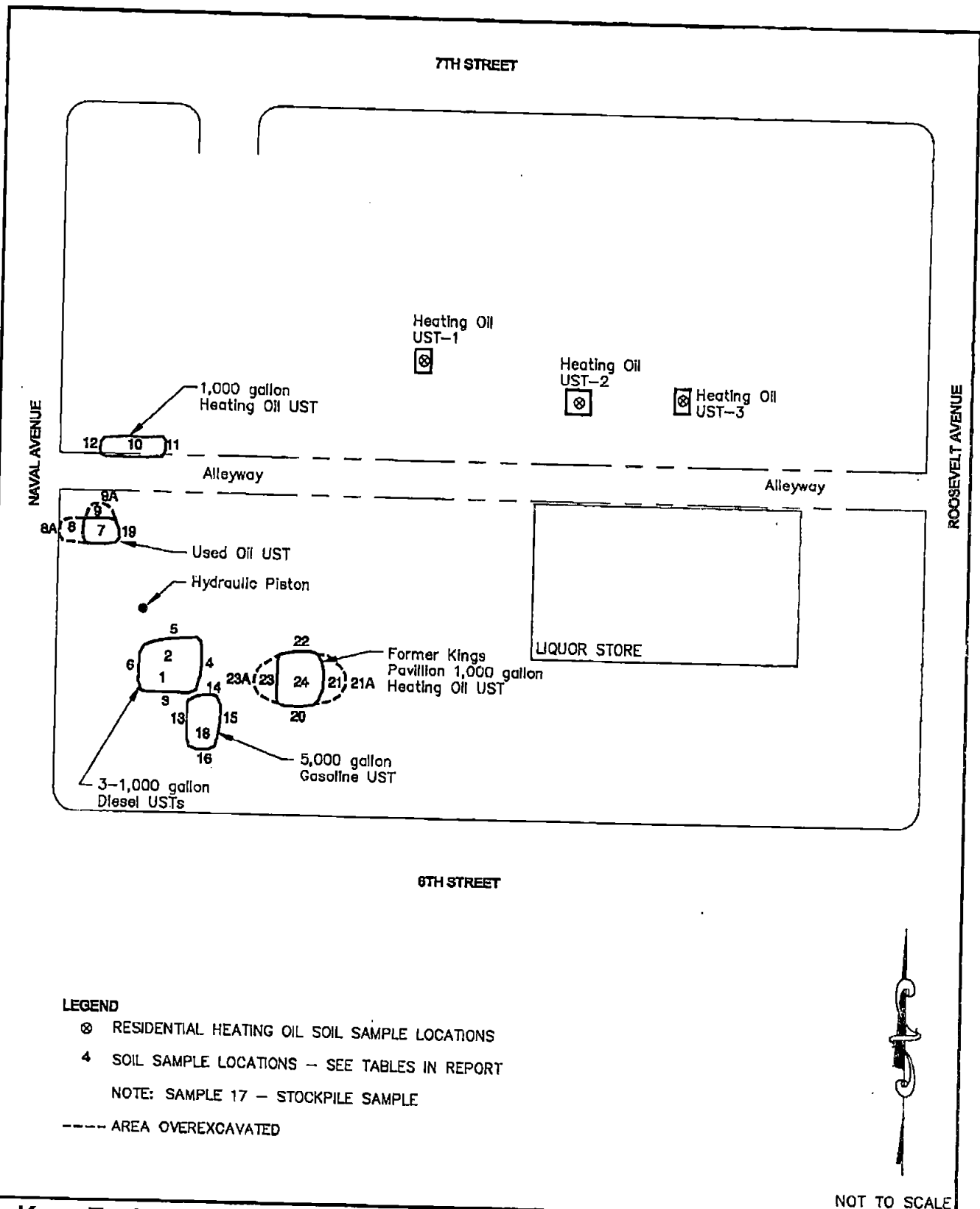
7.0 SOIL REMOVAL ACTIVITIES

Approximately 60 tons of contaminated soil was removed from the former Kings Pavilion Restaurant 1,000-gallon Heating Oil UST location and the former 500-gallon Used Oil UST. Approximately two yards of soil were excavated at the location of the former 500-gallon Used Oil UST and subsequently placed on and covered with visqueen. The soil from the former Kings Pavilion was stockpiled separately and covered with plastic visqueen adjacent to the tank pit until trucks were arranged for transport.

Soil from both stockpiles which contained concentrations of petroleum hydrocarbons above the calculated Interim TPH value of 3,968 ppm were removed on August 10, 2001 and transported by truck to TPS Technologies in Tacoma, Washington for recycling by thermal desorption. Attachment B shows calculations used to derive the diesel and oil range TPH soil cleanup level.

8.0 CONCLUSIONS

Based on the soil clearance sampling analytical results, Kane Environmental requests a No Further Action (NFA) letter for the 6th and Naval Avenue Property for both soil and groundwater. Based on the results of the Limited Phase II Investigation, observations of soil conditions during the excavation around the USTs, and the results of the soil confirmation sampling, groundwater is not impacted by petroleum hydrocarbon products at the Property.



Kane Environmental, Inc.

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 Seattle, Washington 98119
 Ph : 206.691.0476 Fax : 206.691.0479

FIGURE 1 - Soil Confirmation Sampling Locations

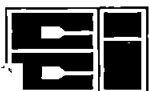
Location: Proposed Retail Store
 6th Street & Naval Avenue
 Bremerton, Washington

Client:

Date: 09/12/01

Job #: 1015

Attachment A
Analytical Data Reports



CCI
ANALYTICAL
LABORATORIES, INC.

CERTIFICATE OF ANALYSIS

CLIENT: KANE ENVIRONMENTAL INC.
2415 7TH AVE. WEST
SEATTLE, WA 98119

DATE: 8/3/01
CCIL JOB #: 107110
CCIL SAMPLE #: 1
DATE RECEIVED: 7/26/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: JOHN KANE

CLIENT PROJECT ID: BREMERTON UST REMOVAL
CLIENT SAMPLE ID: 072601-1 7/26/01

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-SEMIVOLATILE RANGE	NWTPH-DX	ND	MG/KG	7/30/01	KAS

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:

DIESEL RANGE REPORTING LIMIT IS 25 MG/KG

LUBE OIL RANGE REPORTING LIMIT IS 50 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY: 



CCI
ANALYTICAL
LABORATORIES, INC.

CERTIFICATE OF ANALYSIS

CLIENT: KANE ENVIRONMENTAL INC.
2415 7TH AVE. WEST
SEATTLE, WA 98119

DATE: 8/3/01
CCIL JOB #: 107110
CCIL SAMPLE #: 2
DATE RECEIVED: 7/26/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: JOHN KANE

CLIENT PROJECT ID: BREMERTON UST REMOVAL
CLIENT SAMPLE ID: 072601-2 7/26/01

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-SEMIVOLATILE RANGE	NWTPH-DX	ND	MG/KG	7/26/01	KAS

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:

DIESEL RANGE REPORTING LIMIT IS 25 MG/KG

LUBE OIL RANGE REPORTING LIMIT IS 50 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY: 



CCI
ANALYTICAL
LABORATORIES, INC.

CERTIFICATE OF ANALYSIS

CLIENT: KANE ENVIRONMENTAL INC.
2415 7TH AVE. WEST
SEATTLE, WA 98119

DATE: 8/3/01
CCIL JOB #: 107110
CCIL SAMPLE #: 3
DATE RECEIVED: 7/26/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: JOHN KANE

CLIENT PROJECT ID: BREMERTON UST REMOVAL
CLIENT SAMPLE ID: 072601-3 7/26/01

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-SEMIVOLATILE RANGE	NWTPH-DX	51	MG/KG	7/30/01	KAS

NOTE: CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCT WHICH IS LIKELY LUBE OIL

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:

DIESEL RANGE REPORTING LIMIT IS 25 MG/KG

LUBE OIL RANGE REPORTING LIMIT IS 50 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY: 



CCI
ANALYTICAL
LABORATORIES, INC.

CERTIFICATE OF ANALYSIS

CLIENT: KANE ENVIRONMENTAL INC.
2415 7TH AVE. WEST
SEATTLE, WA 98119

DATE: 8/3/01
CCIL JOB #: 107110
CCIL SAMPLE #: 4
DATE RECEIVED: 7/26/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: JOHN KANE

CLIENT PROJECT ID: BREMERTON UST REMOVAL
CLIENT SAMPLE ID: 072601-4 7/26/01

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-SEMIVOLATILE RANGE	NWTPH-DX	ND	MG/KG	7/30/01	KAS

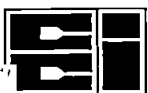
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DIESEL RANGE REPORTING LIMIT IS 25 MG/KG

LUBE OIL RANGE REPORTING LIMIT IS 50 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY: 



CCI
ANALYTICAL
LABORATORIES, INC.

CERTIFICATE OF ANALYSIS

CLIENT: KANE ENVIRONMENTAL INC.
2415 7TH AVE. WEST
SEATTLE, WA 98119

DATE: 8/3/01
CCIL JOB #: 107110
CCIL SAMPLE #: 5
DATE RECEIVED: 7/26/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: JOHN KANE

CLIENT PROJECT ID: BREMERTON UST REMOVAL
CLIENT SAMPLE ID: 072601-5 7/26/01

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-SEMIVOLATILE RANGE	NWTPH-DX	ND	MG/KG	7/30/01	KAS

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:

DIESEL RANGE REPORTING LIMIT IS 25 MG/KG

LUBE OIL RANGE REPORTING LIMIT IS 50 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY: 



CCI
ANALYTICAL
LABORATORIES, INC.

CERTIFICATE OF ANALYSIS

CLIENT: KANE ENVIRONMENTAL INC.
2415 7TH AVE. WEST
SEATTLE, WA 98119

DATE: 8/3/01
CCIL JOB #: 107110
CCIL SAMPLE #: 6
DATE RECEIVED: 7/26/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: JOHN KANE

CLIENT PROJECT ID: BREMERTON UST REMOVAL
CLIENT SAMPLE ID: 072601-6 7/26/01

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-SEMIVOLATILE RANGE	NWTPH-DX	ND	MG/KG	7/30/01	KAS

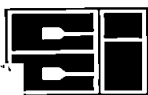
* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:

DIESEL RANGE REPORTING LIMIT IS 25 MG/KG

LUBE OIL RANGE REPORTING LIMIT IS 50 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY: _____



CCI
ANALYTICAL
LABORATORIES, INC.

CERTIFICATE OF ANALYSIS

CLIENT: KANE ENVIRONMENTAL INC.
2415 7TH AVE. WEST
SEATTLE, WA 98119

DATE: 8/3/01
CCIL JOB #: 107110
CCIL SAMPLE #: 7
DATE RECEIVED: 7/26/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: JOHN KANE

CLIENT PROJECT ID: BREMERTON UST REMOVAL
CLIENT SAMPLE ID: 072601-7 7/26/01

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-SEMIVOLATILE RANGE	NWTPH-DX	ND	MG/KG	7/26/01	KAS
PCB-1016	EPA-8082 MOD	ND(<0.4)	MG/KG	7/31/01	LAH
PCB-1221	EPA-8082 MOD	ND(<0.4)	MG/KG	7/31/01	LAH
PCB-1232	EPA-8082 MOD	ND(<0.4)	MG/KG	7/31/01	LAH
PCB-1242	EPA-8082 MOD	ND(<0.4)	MG/KG	7/31/01	LAH
PCB-1248	EPA-8082 MOD	ND(<0.4)	MG/KG	7/31/01	LAH
PCB-1254	EPA-8082 MOD	ND(<0.4)	MG/KG	7/31/01	LAH
PCB-1260	EPA-8082 MOD	ND(<0.4)	MG/KG	7/31/01	LAH

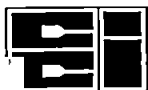
* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:

DIESEL RANGE REPORTING LIMIT IS 25 MG/KG

LUBE OIL RANGE REPORTING LIMIT IS 50 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY: 



CCI
ANALYTICAL
LABORATORIES, INC.

CERTIFICATE OF ANALYSIS

CLIENT: KANE ENVIRONMENTAL INC.
2415 7TH AVE. WEST
SEATTLE, WA 98119

DATE: 8/3/01
CCIL JOB #: 107110
CCIL SAMPLE #: 8
DATE RECEIVED: 7/26/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: JOHN KANE

CLIENT PROJECT ID: BREMERTON UST REMOVAL
CLIENT SAMPLE ID: 072601-8 7/26/01

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS	ANALYSIS
				DATE	BY
TPH-SEMIVOLATILE RANGE	NWTPH-DX	20000	MG/KG	8/2/01	KAS

NOTE: CHROMATOGRAM INDICATES SAMPLE CONTAINS TWO PRODUCTS WHICH ARE LIKELY LUBE OIL
AND UNIDENTIFIED VOLATILE RANGE PRODUCT

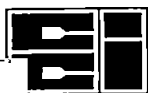
* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:

DIESEL RANGE REPORTING LIMIT IS 250 MG/KG

LUBE OIL RANGE REPORTING LIMIT IS 500 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY: 



CCI
ANALYTICAL
LABORATORIES, INC.

CERTIFICATE OF ANALYSIS

CLIENT: KANE ENVIRONMENTAL INC.
2415 7TH AVE. WEST
SEATTLE, WA 98119

DATE: 8/3/01
CCIL JOB #: 107110
CCIL SAMPLE #: 9
DATE RECEIVED: 7/26/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: JOHN KANE

CLIENT PROJECT ID: BREMERTON UST REMOVAL
CLIENT SAMPLE ID: 072601-9 7/26/01

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-SEMIVOLATILE RANGE	NWTPH-DX	7300	MG/KG	8/2/01	KAS

NOTE: CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCT WHICH IS LIKELY LUBE OIL

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:
DIESEL RANGE REPORTING LIMIT IS 130 MG/KG
LUBE OIL RANGE REPORTING LIMIT IS 250 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY: 



CCI
ANALYTICAL
LABORATORIES, INC.

CERTIFICATE OF ANALYSIS

CLIENT: KANE ENVIRONMENTAL INC.
2415 7TH AVE. WEST
SEATTLE, WA 98119

DATE: 8/3/01
CCIL JOB #: 107110
CCIL SAMPLE #: 10
DATE RECEIVED: 7/26/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: JOHN KANE

CLIENT PROJECT ID: BREMERTON UST REMOVAL
CLIENT SAMPLE ID: 072601-10 7/26/01

DATA RESULTS

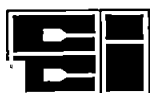
ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-SEMIVOLATILE RANGE	NWTPH-DX	120	MG/KG	8/1/01	KAS

NOTE: CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCT WHICH IS LIKELY LUBE OIL

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:
DIESEL RANGE REPORTING LIMIT IS 25 MG/KG
LUBE OIL RANGE REPORTING LIMIT IS 50 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY: 



CCI
ANALYTICAL
LABORATORIES, INC.

CERTIFICATE OF ANALYSIS

CLIENT: KANE ENVIRONMENTAL INC.
2415 7TH AVE. WEST
SEATTLE, WA 98119

DATE: 8/3/01
CCIL JOB #: 107110
CCIL SAMPLE #: 11
DATE RECEIVED: 7/26/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: JOHN KANE

CLIENT PROJECT ID: BREMERTON UST REMOVAL
CLIENT SAMPLE ID: 072601-11 7/26/01

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-SEMIVOLATILE RANGE	NWTPH-DX	390	MG/KG	8/2/01	KAS

NOTE: CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCT WHICH IS LIKELY LUBE OIL

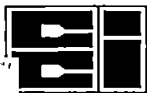
* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:

DIESEL RANGE REPORTING LIMIT IS 25 MG/KG

LUBE OIL RANGE REPORTING LIMIT IS 50 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY: *[Signature]*



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LABORATORIES, INC.

CERTIFICATE OF ANALYSIS

CLIENT: KANE ENVIRONMENTAL INC.
2415 7TH AVE. WEST
SEATTLE, WA 98119

DATE: 8/3/01
CCIL JOB #: 107110
CCIL SAMPLE #: 12
DATE RECEIVED: 7/26/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: JOHN KANE

CLIENT PROJECT ID: BREMERTON UST REMOVAL
CLIENT SAMPLE ID: 072601-12 7/26/01

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-SEMIVOLATILE RANGE	NWTPH-DX	ND	MG/KG	8/2/01	KAS

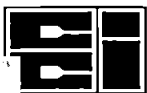
* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:

DIESEL RANGE REPORTING LIMIT IS 25 MG/KG

LUBE OIL RANGE REPORTING LIMIT IS 50 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY: 



CCI
ANALYTICAL
LABORATORIES, INC.

CERTIFICATE OF ANALYSIS

CLIENT: KANE ENVIRONMENTAL INC.
2415 7TH AVE. WEST
SEATTLE, WA 98119

DATE: 8/3/01
CCIL JOB #: 107110
CCIL SAMPLE #: 13
DATE RECEIVED: 7/26/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: JOHN KANE

CLIENT PROJECT ID: BREMERTON UST REMOVAL
CLIENT SAMPLE ID: 072601-13 7/26/01

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-SEMIVOLATILE RANGE	NWTPH-DX	ND	MG/KG	8/2/01	KAS

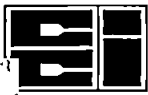
* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:

DIESEL RANGE REPORTING LIMIT IS 25 MG/KG

LUBE OIL RANGE REPORTING LIMIT IS 50 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY: 



CCI
ANALYTICAL
LABORATORIES, INC.

CERTIFICATE OF ANALYSIS

CLIENT: KANE ENVIRONMENTAL INC.
2415 7TH AVE. WEST
SEATTLE, WA 98119

DATE: 8/16/01
CCIL JOB #: 107110
CCIL SAMPLE #: 14
DATE RECEIVED: 7/26/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: JOHN KANE

CLIENT PROJECT ID: BREMERTON UST REMOVAL
CLIENT SAMPLE ID: 072601-14 7/26/01

REPORT AMENDED TO INCLUDE ADDITIONAL PARAMETER

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-VOLATILE RANGE	NWTPH-GX	ND	MG/KG	8/15/01	LAH
MTBE***	EPA-8021	ND(<0.1)	MG/KG	8/15/01	LAH
BENZENE	EPA-8021	ND(<0.03)	MG/KG	8/15/01	LAH
TOLUENE	EPA-8021	ND(<0.05)	MG/KG	8/15/01	LAH
ETHYLBENZENE	EPA-8021	ND(<0.05)	MG/KG	8/15/01	LAH
XYLENES	EPA-8021	ND(<0.2)	MG/KG	8/15/01	LAH
TPH-SEMIVOLATILE RANGE	NWTPH-DX	ND	MG/KG	8/2/01	KAS

NOTE: METHOD NWTPH-GX AND EPA-8021 PERFORMED OUTSIDE OF HOLD TIME

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:

GASOLINE(VOLATILE RANGE) REPORTING LIMIT IS 3 MG/KG

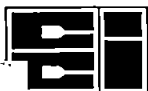
DIESEL RANGE REPORTING LIMIT IS 25 MG/KG

LUBE OIL RANGE REPORTING LIMIT IS 50 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

*** ANY POSITIVE MTBE RESULT SHOULD BE CONFIRMED BY GC/MS ANALYSIS

APPROVED BY: 



CCI
ANALYTICAL
LABORATORIES, INC.

CERTIFICATE OF ANALYSIS

CLIENT: KANE ENVIRONMENTAL INC.
2415 7TH AVE. WEST
SEATTLE, WA 98119

DATE: 8/3/01
CCIL JOB #: 107110
CCIL SAMPLE #: 15
DATE RECEIVED: 7/26/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: JOHN KANE

CLIENT PROJECT ID: BREMERTON UST REMOVAL
CLIENT SAMPLE ID: 072601-15 7/26/01

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-SEMIVOLATILE RANGE	NWTPH-DX	ND	MG/KG	8/2/01	KAS

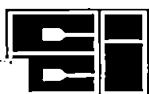
* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:

DIESEL RANGE REPORTING LIMIT IS 25 MG/KG

LUBE OIL RANGE REPORTING LIMIT IS 50 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY: 



CCI
ANALYTICAL
LABORATORIES, INC.

CERTIFICATE OF ANALYSIS

CLIENT: KANE ENVIRONMENTAL INC.
2415 7TH AVE. WEST
SEATTLE, WA 98119

DATE: 8/16/01
CCIL JOB #: 107110
CCIL SAMPLE #: 16
DATE RECEIVED: 7/26/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: JOHN KANE

CLIENT PROJECT ID: BREMERTON UST REMOVAL
CLIENT SAMPLE ID: 072601-16 7/26/01

REPORT AMENDED TO INCLUDE ADDITIONAL PARAMETER

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS	ANALYSIS
				DATE	BY
TPH-VOLATILE RANGE	NWTPH-GX	ND	MG/KG	8/15/01	LAH
MTBE***	EPA-8021	ND(<0.1)	MG/KG	8/15/01	LAH
BENZENE	EPA-8021	ND(<0.03)	MG/KG	8/15/01	LAH
TOLUENE	EPA-8021	ND(<0.05)	MG/KG	8/15/01	LAH
ETHYLBENZENE	EPA-8021	ND(<0.05)	MG/KG	8/15/01	LAH
XYLENES	EPA-8021	ND(<0.2)	MG/KG	8/15/01	LAH
TPH-SEMIVOLATILE RANGE	NWTPH-DX	ND	MG/KG	8/2/01	KAS

NOTE: METHOD NWTPH-GX AND EPA-8021 PERFORMED OUTSIDE OF HOLD TIME

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:

GASOLINE(VOLATILE RANGE) REPORTING LIMIT IS 3 MG/KG

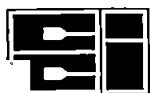
DIESEL RANGE REPORTING LIMIT IS 25 MG/KG

LUBE OIL RANGE REPORTING LIMIT IS 50 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

*** ANY POSITIVE MTBE RESULT SHOULD BE CONFIRMED BY GC/MS ANALYSIS

APPROVED BY: 



CCI
ANALYTICAL
LABORATORIES, INC.

CERTIFICATE OF ANALYSIS

CLIENT: KANE ENVIRONMENTAL INC.
2415 7TH AVE. WEST
SEATTLE, WA 98119

DATE: 8/3/01
CCIL JOB #: 107110
CCIL SAMPLE #: 17
DATE RECEIVED: 7/26/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: JOHN KANE

CLIENT PROJECT ID: BREMERTON UST REMOVAL
CLIENT SAMPLE ID: 072601-17 7/26/01

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-SEMIVOLATILE RANGE	NWTPH-DX	57	MG/KG	8/2/01	KAS

NOTE: CHROMATOGRAM INDICATES SAMPLE CONTAINS TWO PRODUCTS WHICH ARE LIKELY LUBE OIL
AND UNIDENTIFIED VOLATILE RANGE PRODUCT

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:
DIESEL RANGE REPORTING LIMIT IS 50 MG/KG
LUBE OIL RANGE REPORTING LIMIT IS 50 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY: 



CCI
ANALYTICAL
LABORATORIES, INC.

CERTIFICATE OF ANALYSIS

CLIENT: KANE ENVIRONMENTAL INC.
2415 7TH AVE. WEST
SEATTLE, WA 98119

DATE: 8/16/01
CCIL JOB #: 107110
CCIL SAMPLE #: 18
DATE RECEIVED: 7/26/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: JOHN KANE

CLIENT PROJECT ID: BREMERTON UST REMOVAL
CLIENT SAMPLE ID: 072601-18 7/26/01

REPORT AMENDED TO INCLUDE ADDITIONAL PARAMETER

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS	ANALYSIS
				DATE	BY
TPH-VOLATILE RANGE	NWTPH-GX	6	MG/KG	7/30/01	LAH
MTBE***	EPA-8021	ND(<0.1)	MG/KG	7/30/01	LAH
BENZENE	EPA-8021	ND(<0.03)	MG/KG	7/30/01	LAH
TOLUENE	EPA-8021	ND(<0.05)	MG/KG	7/30/01	LAH
ETHYLBENZENE	EPA-8021	ND(<0.05)	MG/KG	7/30/01	LAH
XYLENES	EPA-8021	ND(<0.2)	MG/KG	7/30/01	LAH
TPH-SEMIVOLATILE RANGE	NWTPH-DX	ND	MG/KG	7/26/01	KAS
LEAD	EPA-6010	ND(<8)	MG/KG	8/15/01	LMH

NOTE: CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCT WHICH IS LIKELY HIGHLY WEATHERED GASOLINE

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:
GASOLINE(VOLATILE RANGE) REPORTING LIMIT IS 3 MG/KG
DIESEL RANGE REPORTING LIMIT IS 25 MG/KG
LUBE OIL RANGE REPORTING LIMIT IS 50 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

*** ANY POSITIVE MTBE RESULT SHOULD BE CONFIRMED BY GC/MS ANALYSIS

APPROVED BY: 



CCI
ANALYTICAL
LABORATORIES, INC.

CERTIFICATE OF ANALYSIS

CLIENT: KANE ENVIRONMENTAL INC.
2415 7TH AVE. WEST
SEATTLE, WA 98119

DATE: 8/16/01
CCIL JOB #: 107110

DATE RECEIVED: 7/26/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: JOHN KANE

CLIENT PROJECT ID: BREMERTON UST REMOVAL

REPORT AMENDED TO INCLUDE ADDITIONAL PARAMETER

QUALITY CONTROL RESULTS

SURROGATE RECOVERY

CCIL SAMPLE ID	ANALYTE	SUR ID	% RECV
107110-01	NWTPH-DX	C25	56
107110-02	NWTPH-DX	C25	107
107110-03	NWTPH-DX	C25	83
107110-04	NWTPH-DX	C25	90
107110-05	NWTPH-DX	C25	90
107110-06	NWTPH-DX	C25	76
107110-07	NWTPH-DX	C25	98
107110-07	EPA-8082 MOD	TCMX	78
107110-07	EPA-8082 MOD	DBC	77
107110-08	NWTPH-DX	C25	*
107110-09	NWTPH-DX	C25	138
107110-10	NWTPH-DX	C25	116
107110-11	NWTPH-DX	C25	118
107110-12	NWTPH-DX	C25	103
107110-13	NWTPH-DX	C25	95



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ANALYTICAL
LABORATORIES, INC.

CERTIFICATE OF ANALYSIS

CLIENT: KANE ENVIRONMENTAL INC.
2415 7TH AVE. WEST
SEATTLE, WA 98119

DATE: 8/16/01
CCIL JOB #: 107110

DATE RECEIVED: 7/26/01
WDOE ACCREDITATION #: C142

CLIENT CONTACT: JOHN KANE

CLIENT PROJECT ID: BREMERTON UST REMOVAL

REPORT AMENDED TO INCLUDE ADDITIONAL PARAMETER

QUALITY CONTROL RESULTS

SURROGATE RECOVERY

CCIL SAMPLE ID	ANALYTE	SUR ID	% RECV
107110-14	NWTPH-GX	TFT	90
107110-14	EPA-8021	TFT	73
107110-14	NWTPH-DX	C25	94
107110-15	NWTPH-DX	C25	94
107110-16	NWTPH-GX	TFT	90
107110-16	EPA-8021	TFT	74
107110-16	NWTPH-DX	C25	110
107110-17	NWTPH-DX	C25	104
107110-18	NWTPH-GX	TFT	94
107110-18	EPA-8021	TFT	98
107110-18	NWTPH-DX	C25	92

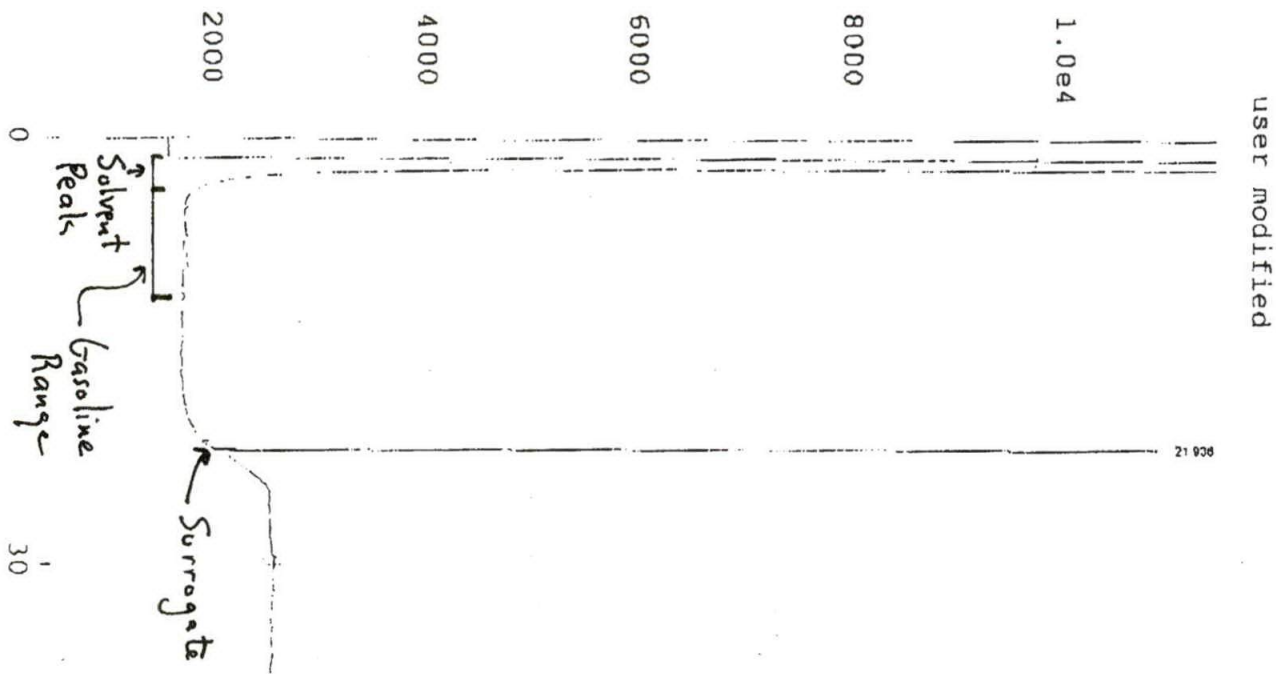
* SURROGATE DILUTED OUT OF CALIBRATION RANGE

APPROVED BY: 

Chromatograms for Soil Samples 072601-14 and 072601-16

Both chromatograms show that there are no detectable concentrations of TPH-Gas. The enclosed chromatograms are for the TPH-Dx analyses, although the initial portion of the analytical run includes an area where if present, concentrations of TPH-Gas would be found. The first bar, identified as the "solvent peak" is part of the instrument calibration for the analysis. The Gasoline range bar drawn by Kane Environmental shows where a TPH-Gas concentration would exist if TPH-Gas were present. The flat line shows no evidence of detectable concentrations of TPH-Gas. The "surrogate" in both chromatograms is the surrogate added by the laboratory as part of their internal QA/QC procedure.

For both soil samples, Kane Environmental requested an additional analysis for TPH-Gas/BTEX to confirm the absence of TPH-Gas/BTEX and MTBE in the soil samples. Holding times were exceeded by 5 days, however management of the soil samples by CCI Laboratories was not altered. The soil samples had been stored in the refrigerator and tightly sealed following CCI Laboratories QA/QC procedures. The soil analytical results revealing non-detectable concentrations of TPH-Gas/BTEX and MTBE are consistent with soil sample 072601-18, which showed a low concentration of TPH-Gas of 6 ppm, and non-detectable concentrations of TPH-Dx, BTEX and MTBE.



External Standard Report

ata File Name : D:\HPCHEM\1\DATA\11073001\033F1301.D
 Operator : kas Page Number : 1
 Instrument : DIESEL #1 Vial Number : 33
 Sample Name : 107110-14 (072601-14) Injection Number : 1
 Run Time Bar Code: Sequence Line : 13
 Acquired on : 02 Aug 01 10:05 AM Instrument Method: TDM00501.MTH
 Report Created on: 02 Aug 01 12:13 PM Analysis Method : TPH0201.MTH
 Last Recalib on : 11 JUN 01 07:52 AM Sample Amount : 0
 Multiplier : 1 ISTD Amount :

Fig. 1 in D:\HPCHEM\1\DATA\11073001\033F1301.D

Ret Time	Area	Type	Width	Ref#	mg/l	Name
13.198	*	not found	*	1		Diesel #2
21.936	24344	MM T	0.030	1	9.429	nC-25 surrogate 947.

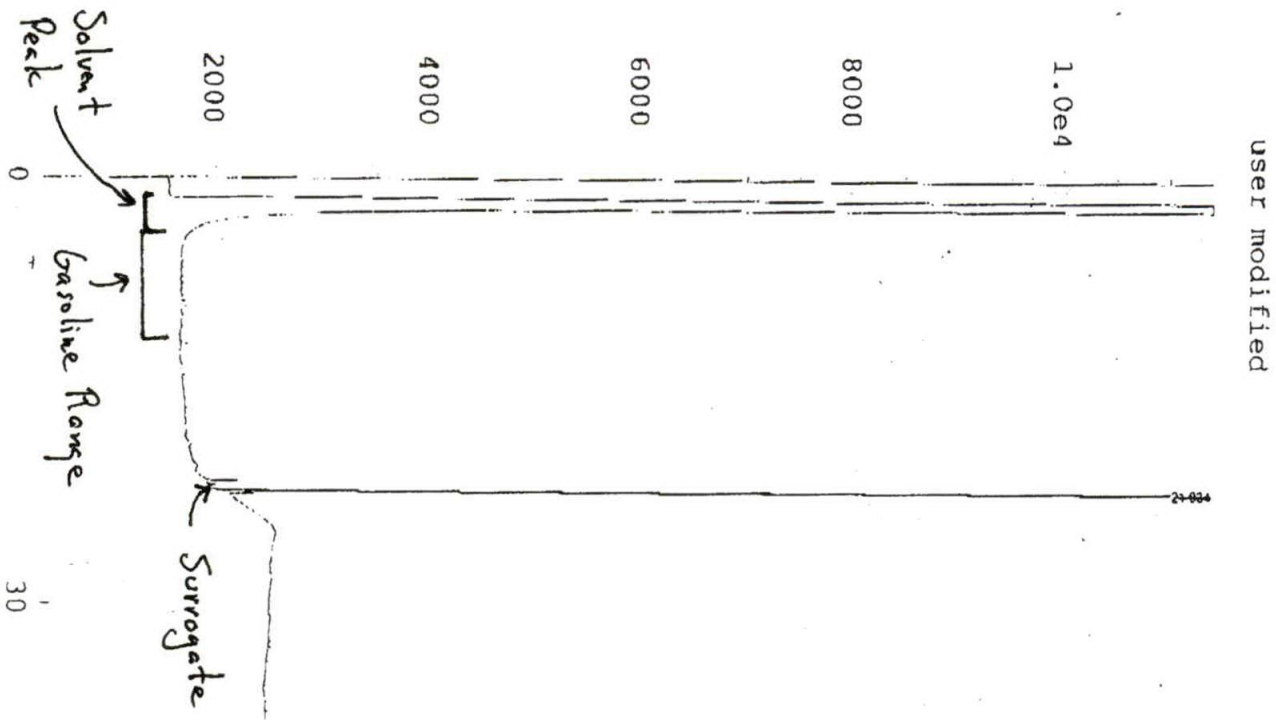
Not all calibrated peaks were found

User Modified

ND D-435 mg/kg

REVIEWED BY RA
DATE 8/1/01

8201 CAS



External Standard Report

ata File Name : D:\HPCHEM\1\DATA\11073001\035F1701.D
 erator : kas
 trument : DIESEL #1
 ample Name : 107110-16 (072601-16)
 un Time Bar Code:
 equired on : 02 Aug 01 01:07 PM
 eport Created on: 02 Aug 01 01:53 PM
 est Recalib on : 11 JUN 01 07:52 AM
 ultiplier : 1
 Page Number : 1
 Vial Number : 35
 Injection Number : 1
 Sequence Line : 17
 Instrument Method: TDM00501.MTH
 Analysis Method : TPHD0201.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in D:\HPCHEM\1\DATA\11073001\035F1701.D

Ret Time	Area	Type	Width	Ref#	mg/l	Name
13.198	*	not found	*	1		Diesel #2
21.934	29356	MM T	0.031	1	10.991	nC-25 surrogate 110%

ot all calibrated peaks were found

er Modified

ND: D < 25 mg/kg

MC < 100 mg/kg

REVIEWED BY *RB*
 & DATE *5/3/01*

8-301 KAS

10000 1st Avenue
 Seattle, WA 98108
 Phone (425) 356-2600
 (206) 292-9059 Seattle
 (425) 356-2626 Fax

Laboratory Analysis Request

107110

Date 7/26/01 Page 1 Of 2

PROJECT ID: Bremerton UST Removal
PORT TO MPANY: Kane Environmental
PROJECT NAGER: John Kane

DRESS:

ONE: ~~206~~ 206-691-0436 FAX:

VOICE TO
VIPANY: *Same*

ENTION:

PRESS:

NUMBER _____ CCI QUOTE: _____

[illegible]

ADDITIONAL INSTRUCTIONS

NATURES (Name, Company, Date, Time):

Relinquished By: CAITLYN KANE ENV, 7/26/01, 16:30

Received By: John Bagnall (GAL) 7/26/16 3:06

Disinquired By:

Received By:

TURNAROUND REQUESTED in Business Days*

Organic, Metals & Inorganic Analysis

10 5 3 2 1

Fuels & Hydrocarbon Analysis

5 3 1 SAM
DAY

OTHER:

Specify: 1 day - 7

2 day - 2
hold rest



CCI Analytical Laboratories, Inc.
8620 Holly Drive
Everett, WA 98208
Phone (425) 356-2600
(206) 292-9059 Seattle
(425) 356-2626 Fax

Chain of Custody/ Laboratory Analysis Request

CCI Job#

Laboratory Use Only

107110

Date 7/26/01 Page 2 Of 2

PROJECT ID: Bremerton VST Removal
REPORT TO COMPANY: Kane Environmental
PROJECT MANAGER: John Kane
ADDRESS:
PHONE: FAX:
INVOICE TO COMPANY: Same
ATTENTION:
ADDRESS:
P.O. NUMBER CCI QUOTE:

ANALYSIS REQUESTED														OTHER (Specify)										NUMBER OF CONTAINERS		
NWTPH-GX	BTEX	NWTPH-DX	NWTPH-HCID	EPA 8021	602	EPA 8010	601	EPA 8260	624	EPA 8270	625	EPA 8081/8082	608	PCB only	Pest only	Metals Priority Pollutant	RCRA	TAL	Metals Other (Specify)	TCLP-Metals	VOA	Semi-Vol	Pest		Herbs	
																									</	

SPECIAL INSTRUCTIONS Verbal results to call # 206-715-2779

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: Goff, Kane Environmental, 7/26/01, 16:30
Received By: John Kane CCI, 7/26/01, 16:30
2. Relinquished By: _____
Received By: _____

TURNAROUND REQUESTED in Business Days*

Organic, Metals & Inorganic Analysis

10 5 3 2 1 SAME DAY

Fuels & Hydrocarbon Analysis

5 3 1 SAME DAY

OTHER:

Specify: 1 day on -18
hold next



**OnSite
Environmental Inc.**

Analytical Testing and Mobile Laboratory Services

July 24, 2001

John Kane
Kane Environmental, Inc.
2415 7th Avenue West
Seattle, WA 98119

Re: Analytical Data for Project 6th & Naval
Laboratory Reference No. 0107-132

Dear John:

Enclosed are the analytical results and associated quality control data for samples submitted on July 20, 2001.

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: July 24, 2001
Samples Submitted: July 20, 2001
Lab Traveler: 07-132
Project: 6th & Naval

NWTPH-Dx

Date Extracted: 7-20-01
Date Analyzed: 7-21-01

Matrix: Soil
Units: mg/Kg (ppm)

Client ID: KP-HO-UST:E.Sidewall 7-8'
Lab ID: 07-132-01

Diesel Fuel: 10000
PQL: 140

Heavy Oil: ND
PQL: 280

Surrogate Recovery:
o-Terphenyl ---

Flags: S,Z

Date of Report: July 24, 2001
Samples Submitted: July 20, 2001
Lab Traveler: 07-132
Project: 6th & Naval

NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted: 7-20-01
Date Analyzed: 7-20-01

Matrix: Soil
Units: mg/Kg (ppm)

Lab ID: MB0720S1

Diesel Fuel: ND
PQL: 25

Heavy Oil: ND
PQL: 50

Surrogate Recovery:
o-Terphenyl 108%

Flags: X

Date of Report: July 24, 2001
Samples Submitted: July 20, 2001
Lab Traveler: 07-132
Project: 6th & Naval

NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted: 7-20-01
Date Analyzed: 7-20-01

Matrix: Soil
Units: mg/Kg (ppm)

Lab ID: 07-121-13 07-121-13 DUP

Diesel Fuel:	ND	ND
PQL:	25	25
RPD:	N/A	

Surrogate Recovery:		
o-Terphenyl	84%	89%

Flags:	X	X
--------	---	---

Date of Report: July 24, 2001
Samples Submitted: July 20, 2001
Lab Traveler: 07-132
Project: 6th & Naval

% MOISTURE

Date Analyzed: 7-20-01

Client ID	Lab ID	% Moisture
KP-HO-UST:E.Sidewall 7-9"	07-132-01	10



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 - Acid clean/ Silica gel treatment had no effect on sample result.

ND - Not Detected at PQL

MRL - Method Reporting Limit

PQL - Practical Quantitation Limit

RPD - Relative Percent Difference



14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • Fax: (425) 885-4603

Chain of custody

Page

[illegible]

DISTRIBUTION LEGEND: White - OnSite Copy Yellow - Report Copy Pink - Client Copy



**OnSite
Environmental Inc.**
Analytical Testing and Mobile Laboratory Services

July 30, 2001

John Kane
Kane Environmental, Inc.
2415 7th Avenue West
Seattle, WA 98119

Re: Analytical Data for Project 6th & Naval
Laboratory Reference No. 0107-131

Dear John:

Enclosed are the analytical results and associated quality control data for samples submitted on July 20, 2001.

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: July 30, 2001
Samples Submitted: July 20, 2001
Lab Traveler: 07-131
Project: 6th & Naval

NWTPH-Dx

Date Extracted: 7-23-01
Date Analyzed: 7-23&24-01

Matrix: Soil
Units: mg/Kg (ppm)

Client ID:	HO-UST-1:Bottom 6'	HO-UST-2:Bottom 6'	HO-UST-3:Bottom 6'
Lab ID:	07-131-01	07-131-04	07-131-07

Diesel Fuel:	ND	ND	ND
PQL:	28	28	33
Heavy Oil:	ND	ND	ND
PQL:	55	56	65

Surrogate Recovery:			
o-Terphenyl	149%	114%	130%

Flags:	Y		Y
--------	---	--	---

Date of Report: July 30, 2001
Samples Submitted: July 20, 2001
Lab Traveler: 07-131
Project: 6th & Naval

NWTPH-Dx

Date Extracted: 7-23-01
Date Analyzed: 7-23&27-01

Matrix: Soil
Units: mg/Kg (ppm)

Client ID:	NW Pit: 3-4'	SE Pit: 4'	Piston: 8'
Lab ID:	07-131-10	07-131-11	07-131-12

Diesel Fuel:	ND	61	ND
PQL:	28	33	28
Heavy Oil:	4700	ND	260
PQL:	56	65	55

Surrogate Recovery:			
o-Terphenyl	112%	127%	54%

Flags:	Y	Y	Y
--------	---	---	---

Date of Report: July 30, 2001
Samples Submitted: July 20, 2001
Lab Traveler: 07-131
Project: 6th & Naval

NWTPH-Dx

Date Extracted: 7-23-01
Date Analyzed: 7-23-01

Matrix: Soil
Units: mg/Kg (ppm)

Client ID: Alley UST:N.Sidewall 7-8'
Lab ID: 07-131-13

Diesel Fuel: ND
PQL: 27

Heavy Oil: ND
PQL: 54

Surrogate Recovery:
o-Terphenyl 132%

Flags: Y

Date of Report: July 30, 2001
Samples Submitted: July 20, 2001
Lab Traveler: 07-131
Project: 6th & Naval

NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted: 7-23-01
Date Analyzed: 7-23-01

Matrix: Soil
Units: mg/Kg (ppm)

Lab ID: MB0723S1

Diesel Fuel: ND
PQL: 25

Heavy Oil: ND
PQL: 50

Surrogate Recovery:
o-Terphenyl 88%

Flags:

Date of Report: July 30, 2001
Samples Submitted: July 20, 2001
Lab Traveler: 07-131
Project: 6th & Naval

NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted: 7-23-01
Date Analyzed: 7-23-01

Matrix: Soil
Units: mg/Kg (ppm)

Lab ID: MB0723S1

Diesel Fuel: ND
PQL: 25

Heavy Oil: ND
PQL: 50

Surrogate Recovery:
o-Terphenyl 95%

Flags: Y

Date of Report: July 30, 2001
Samples Submitted: July 20, 2001
Lab Traveler: 07-131
Project: 6th & Naval

**NWTPH-Dx
DUPLICATE QUALITY CONTROL**

Date Extracted: 7-23-01
Date Analyzed: 7-23-01

Matrix: Soil
Units: mg/Kg (ppm)

Lab ID: 07-131-01 07-131-01 DUP

Diesel Fuel: ND ND
PQL: 25 25

RPD: N/A

Surrogate Recovery:
o-Terphenyl 149% 150%

Flags: Y Y

Date of Report: July 30, 2001
Samples Submitted: July 20, 2001
Lab Traveler: 07-131
Project: 6th & Naval

% MOISTURE

Date Analyzed: 7-23-01

Client ID	Lab ID	% Moisture
HO-UST-1: Bottom 6'	07-131-01	9
HO-UST-2: Bottom 6'	07-131-04	10
HO-UST-3: Bottom 6'	07-131-07	23
HW Pit: 3-4'	07-131-10	10
SE Pit: 4'	07-131-11	23
Piston: 8'	07-131-12	9
Alley UST-N-Sidewall 7-8'	07-131-13	8



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

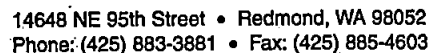
RPD - Relative Percent Difference

Company: Kane Environmental Inc.
Project No.:
Project Name: 6" & Naval
Project Manager: John Kane

Turnaround Request (in working days)		Project Manager: <u>D. Baumeister</u>		Laboratory No. 07-131													
(Check One)		Requested Analysis															
<input type="checkbox"/> Same Day <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> 3 Day <input checked="" type="checkbox"/> Standard (Hydrocarbon analyses: 5 days, All other analyses: 7 days) <input type="checkbox"/> (other)		NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270C	PAHs by 8270C	PCBs by 8082	Pesticides by 8081	Herbicides by 8151A	Total RCRA Metals (8)	Priority Pollutant Metals (13)	TCLP Metals	VPH	EPH	% Moisture

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270C	PAHs by 8270C	PCBs by 8082	Pesticides by 8081	Herbicides by 8151A	Total RCRA Metals (8)	Priority Pollutant Metals (13)	TCLP Metals	VPH	EPH	% Moisture
1	HO-UST-1: Bottom 6'	7/20/01	10:40	S	1			X													X
2	HO-UST-1: S. Sidewall 5'		10:05	S	1																
3	HO-UST-1: N. Sidewall 5'		10:10	S	1																
4	HO-UST-2: Bottom 6'		10:20	S	1			X													X
5	HO-UST-2: S. Sidewall 5'		10:25	S	1																
6	HO-UST-2: N. Sidewall 5'		10:30	S	1																
7	HO-UST-3: Bottom 6'		10:40	S	1			X													X
8	HO-UST-3: S. Sidewall 5'		10:45	S	1																
9	HO-UST-3: N. Sidewall 5'		10:50	S	1																
10	NW Pit: 3-4'		11:40	S	1			X													X
11	SE Pit: 4'		11:15	S	1			X													X
12	Piston: 8'		11:30	S	1			X													X

RELINQUISHED BY <u>John Kane</u>	DATE <u>7-20-01</u>	RECEIVED BY <u>Randa Kent</u>	DATE <u>7/20/01</u>	COMMENTS: <u>SE Pit 10'E from King,</u> <u>Heating Oil UST.</u> <u>Silica gel/acid wash</u>
FIRM <u>Kane Env</u>	TIME <u>2:40</u>	FIRM <u>DSE</u>	TIME <u>2:40</u>	
RELINQUISHED BY	DATE	RECEIVED BY	DATE	
FIRM	TIME	FIRM	TIME	
REVIEWED BY		DATE REVIEWED		Chromatographs with final report <input type="checkbox"/>

Page e-2

DISTRIBUTION LEGEND: White - OnSite Copy Yellow - Report Copy Pink - Client Copy



**OnSite
Environmental Inc.**

Analytical Testing and Mobile Laboratory Services

August 2, 2001

John Kane
Kane Environmental, Inc.
2415 7th Avenue West
Seattle, WA 98119

Re: Analytical Data for Project 6th & Naval Ave.
Laboratory Reference No. 0107-199

Dear John:

Enclosed are the analytical results and associated quality control data for samples submitted on July 28, 2001.

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: August 2, 2001
 Samples Submitted: July 28, 2001
 Lab Traveler: 07-199
 Project: 6th & Naval Ave.

NWTPH-Dx

Date Extracted: 7-30-01
 Date Analyzed: 7-30&8-01-01

Matrix: Soil
 Units: mg/Kg (ppm)

Client ID: KP-HO: N. Sidewall:10-12' KP-HO: E. Sidewall:10-12' KP-HO: S. Sidewall:10-12'
 Lab ID: 07-199-01 07-199-02 07-199-03

Diesel Fuel:	2800	7500	2400
PQL:	28	140	28
Heavy Oil:	ND	ND	ND
PQL:	55	270	56

Surrogate Recovery:			
o-Terphenyl	---	---	---

Flags:	F,Y	S,Y	F,Y
--------	-----	-----	-----

Date of Report: August 2, 2001
Samples Submitted: July 28, 2001
Lab Traveler: 07-199
Project: 6th & Naval Ave.

NWTPH-Dx

Date Extracted: 7-30-01
Date Analyzed: 7-30-01

Matrix: Soil
Units: mg/Kg (ppm)

Client ID: KP-HO: W. Sidewall:10-12' KP-HO: Bottom: 18'
Lab ID: 07-199-04 07-199-05

Diesel Fuel:	4500	250
PQL:	30	28
Heavy Oil:	ND	ND
PQL:	60	56

Surrogate Recovery:
o-Terphenyl --- 123%

Flags: F,Y Y

Date of Report: August 2, 2001
Samples Submitted: July 28, 2001
Lab Traveler: 07-199
Project: 6th & Naval Ave.

NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted: 7-30-01
Date Analyzed: 7-30-01

Matrix: Soil
Units: mg/Kg (ppm)

Lab ID: MB0730S1

Diesel Fuel: ND
PQL: 25

Heavy Oil: ND
PQL: 50

Surrogate Recovery:
o-Terphenyl 96%

Flags: Y

Date of Report: August 2, 2001
Samples Submitted: July 28, 2001
Lab Traveler: 07-199
Project: 6th & Naval Ave.

NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted: 7-30-01
Date Analyzed: 7-30-01

Matrix: Soil
Units: mg/Kg (ppm)

Lab ID: 07-195-01 07-195-01 DUP

Diesel Fuel: ND ND
PQL: 25 25

RPD: N/A

Surrogate Recovery:
o-Terphenyl 81% 89%

Flags:

Date of Report: August 2, 2001
Samples Submitted: July 28, 2001
Lab Traveler: 07-199
Project: 6th & Naval Ave.

% MOISTURE

Date Analyzed: 7-30-01

Client ID	Lab ID	% Moisture
KP-HO: N. Sidewall:10-12'	07-199-01	9.0
KP-HO: E. Sidewall:10-12'	07-199-02	8.0
KP-HO: S. Sidewall:10-12'	07-199-03	11
KP-HO: W. Sidewall:10-12'	07-199-04	16
KP-HO: Bottom: 18'	07-199-05	10



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.

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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.

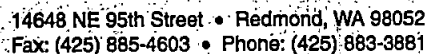
Z -

ND - Not Detected at PQL

MRL - Method Reporting Limit

PQL - Practical Quantitation Limit

RPD - Relative Percent Difference



Page 1 of 1

COMMENTS:
Wed. Aug 1 verbal OK
Silica Gel / Acid Wash



**OnSite
Environmental Inc.**

Analytical Testing and Mobile Laboratory Services

August 10, 2001

John Kane
Kane Environmental, Inc.
2415 7th Avenue West
Seattle, WA 98119

Re: Analytical Data for Project 6th & Naval Ave.
Laboratory Reference No. 0107-199

Dear John:

Enclosed are the analytical results and associated quality control data for samples submitted on July 28, 2001.

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: August 10, 2001
 Samples Submitted: July 28, 2001
 Lab Traveler: 07-199
 Project: 6th & Naval Ave.

PAH's by EPA 8270C

Date Extracted: 8-3-01
 Date Analyzed: 8-6-01

Matrix: Soil
 Units: mg/Kg (ppm)

Lab ID: 07-199-03
 Client ID: KP-H0: S. Sidewall: 10-12'

Compound:	Results	Flags	PQL
Naphthalene	0.12		0.037
2-Methylnaphthalene	0.89		0.037
1-Methylnaphthalene	0.86		0.037
Acenaphthylene	ND		0.037
Acenaphthene	ND		0.037
Fluorene	0.18		0.037
Phenanthrene	0.31		0.037
Anthracene	ND		0.037
Fluoranthene	0.023	J	0.037
Pyrene	ND		0.037
Benzo[a]anthracene	ND		0.037
Chrysene	0.035	J	0.037
Benzo[b]fluoranthene	ND		0.037
Benzo[k]fluoranthene	ND		0.037
Benzo[a]pyrene	ND		0.037
Indeno[1,2,3-cd]pyrene	ND		0.037
Dibenz[a,h]anthracene	ND		0.037
Benzo[g,h,i]perylene	ND		0.037

Surrogate :	Percent Recovery	Control Limits
Nitrobenzene-d5	67	23 - 120
2-Fluorobiphenyl	100	30 - 115
Terphenyl-d14	80	18 - 137

Date of Report: August 10, 2001
 Samples Submitted: July 28, 2001
 Lab Traveler: 07-199
 Project: 6th & Naval Ave.

PAH's by EPA 8270C

Date Extracted: 8-3-01
 Date Analyzed: 8-6-01

Matrix: Soil
 Units: mg/Kg (ppm)

Lab ID: 07-199-04
 Client ID: KP-H0: W. Sidewall: 10-12'

Compound:	Results	Flags	PQL
Naphthalene	ND		0.12
2-Methylnaphthalene	ND		0.12
1-Methylnaphthalene	ND		0.12
Acenaphthylene	ND		0.12
Acenaphthene	ND		0.12
Fluorene	ND		0.12
Phenanthrene	ND		0.12
Anthracene	ND		0.12
Fluoranthene	ND		0.12
Pyrene	ND		0.12
Benzo[a]anthracene	ND		0.12
Chrysene	ND		0.12
Benzo[b]fluoranthene	ND		0.12
Benzo[k]fluoranthene	ND		0.12
Benzo[a]pyrene	ND		0.12
Indeno[1,2,3-cd]pyrene	ND		0.12
Dibenz[a,h]anthracene	ND		0.12
Benzo[g,h,i]perylene	ND		0.12

Surrogate :	Percent Recovery	Control Limits
Nitrobenzene-d5	46	23 - 120
2-Fluorobiphenyl	87	30 - 115
Terphenyl-d14	89	18 - 137

Date of Report: August 10, 2001
 Samples Submitted: July 28, 2001
 Lab Traveler: 07-199
 Project: 6th & Naval Ave.

**PAH's by EPA 8270C
 METHOD BLANK QUALITY CONTROL**

Date Extracted: 8-3-01
 Date Analyzed: 8-3-01
 Matrix: Soil
 Units: mg/Kg (ppm)
 Lab ID: MB0803S1

Compound:	Results	Flags	PQL
Naphthalene	ND		0.033
2-Methylnaphthalene	ND		0.033
1-Methylnaphthalene	ND		0.033
Acenaphthylene	ND		0.033
Acenaphthene	ND		0.033
Fluorene	ND		0.033
Phenanthrene	ND		0.033
Anthracene	ND		0.033
Fluoranthene	ND		0.033
Pyrene	ND		0.033
Benzo[a]anthracene	ND		0.033
Chrysene	ND		0.033
Benzo[b]fluoranthene	ND		0.033
Benzo[k]fluoranthene	ND		0.033
Benzo[a]pyrene	ND		0.033
Indeno[1,2,3-cd]pyrene	ND		0.033
Dibenz[a,h]anthracene	ND		0.033
Benzo[g,h,i]perylene	ND		0.033

Surrogate :	Percent Recovery	Control Limits
Nitrobenzene-d5	54	23 - 120
2-Fluorobiphenyl	72	30 - 115
Terphenyl-d14	91	18 - 137

Date of Report: August 10, 2001
Samples Submitted: July 28, 2001
Lab Traveler: 07-199
Project: 6th & Naval Ave.

**PAH's by EPA 8270C
MS/MSD QUALITY CONTROL**

Date Extracted: 8-3-01
Date Analyzed: 8-3-01

Matrix: Soil
Units: mg/Kg (ppm)

Lab ID: 08-021-01

Compound:	Spike Amount	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Acenaphthene	1.67	0.929	56	1.03	62	9.9	
Pyrene	1.67	1.09	51	1.25	60	13	

Date of Report: August 10, 2001
 Samples Submitted: July 28, 2001
 Lab Traveler: 07-199
 Project: 6th & Naval Ave.

EXTRACTABLE PETROLEUM HYDROCARBONS

Date Extracted: 7-30-01
 Date Analyzed: 8-7-01

Matrix: Soil
 Units: mg/Kg (ppm)

Lab ID: 07-199-03
 Client ID: KP-HO:S. Sidewall:10-12'

	Results	PQL
Aliphatic C10-C12	36	5.6
Aliphatic C12-C16	550	5.6
Aliphatic C16-C18	450	5.6
Aliphatic C18-C21	380	5.6
Aliphatic C21-C28	240	5.6
Aliphatic C28-C36	30	5.6
Total Aliphatic	1700	

Aromatic C10-C12	ND	5.6
Aromatic C12-C16	22	5.6
Aromatic C16-C18	100	5.6
Aromatic C18-C21	190	5.6
Aromatic C21-C28	120	5.6
Aromatic C28-C34	15	5.6
Total Aromatic	450	

Surrogate	Percent Recovery	Control Limits
o-Terphenyl	123	50 - 150
1-Chlorooctadecane	—	50 - 150

Flags: F

Date of Report: August 10, 2001
 Samples Submitted: July 28, 2001
 Lab Traveler: 07-199
 Project: 6th & Naval Ave.

EXTRACTABLE PETROLEUM HYDROCARBONS

Date Extracted: 7-30-01
 Date Analyzed: 8-7-01

Matrix: Soil
 Units: mg/Kg (ppm)

Lab ID: 07-199-04
 Client ID: KP-HO:W. Sidewall:10-12'

	Results	PQL
Aliphatic C10-C12	190	6.0
Aliphatic C12-C16	1300	6.0
Aliphatic C16-C18	770	6.0
Aliphatic C18-C21	650	6.0
Aliphatic C21-C28	320	6.0
Aliphatic C28-C36	29	6.0
Total Aliphatic	3200	

Aromatic C10-C12	7.9	6.0
Aromatic C12-C16	84	6.0
Aromatic C16-C18	200	6.0
Aromatic C18-C21	230	6.0
Aromatic C21-C28	110	6.0
Aromatic C28-C34	13	6.0
Total Aromatic	650	

Surrogate	Percent Recovery	Control Limits
o-Terphenyl	121	50 - 150
1-Chlorooctadecane	—	50 - 150

Flags: F

Date of Report: August 10, 2001
 Samples Submitted: July 28, 2001
 Lab Traveler: 07-199
 Project: 6th & Naval Ave.

**EXTRACTABLE PETROLEUM HYDROCARBONS
 METHOD BLANK QUALITY CONTROL**

Date Extracted: 7-30-01
 Date Analyzed: 8-1-01

Matrix: Soil
 Units: mg/Kg (ppm)

Lab ID: MB0730S1

	Results	PQL
Aliphatic C10-C12	ND	5.0
Aliphatic C12-C16	ND	5.0
Aliphatic C16-C18	ND	5.0
Aliphatic C18-C21	ND	5.0
Aliphatic C21-C28	ND	5.0
Aliphatic C28-C36	ND	5.0
Total Aliphatic	NA	

Aromatic C10-C12	ND	5.0
Aromatic C12-C16	ND	5.0
Aromatic C16-C18	ND	5.0
Aromatic C18-C21	ND	5.0
Aromatic C21-C28	ND	5.0
Aromatic C28-C34	ND	5.0
Total Aromatic	NA	

Surrogate	Percent Recovery	Control Limits
o-Terphenyl	64	50 - 150
1-Chlorooctadecane	68	50 - 150

Flags:

Date of Report: August 10, 2001
 Samples Submitted: July 28, 2001
 Lab Traveler: 07-199
 Project: 6th & Naval Ave.

**EXTRACTABLE PETROLEUM HYDROCARBONS
 DUPLICATE QUALITY CONTROL**

Date Extracted: 7-30-01
 Date Analyzed: 8-1-01
 Matrix: Soil
 Units: mg/Kg (ppm)

Lab ID: 07-189-01 07-189-01 DUP

	Results	Results	PQL	RPD
Aliphatic C10-C12	ND	ND	5.0	NA
Aliphatic C12-C16	9.67	11.0	5.0	13
Aliphatic C16-C18	11.6	12.1	5.0	4.2
Aliphatic C18-C21	28.4	30.3	5.0	6.5
Aliphatic C21-C28	179	198	5.0	10
Aliphatic C28-C36	183	205	5.0	11
Aromatic C10-C12	ND	ND	5.0	NA
Aromatic C12-C16	ND	ND	5.0	NA
Aromatic C16-C18	ND	ND	5.0	NA
Aromatic C18-C21	6.25	6.92	5.0	10
Aromatic C21-C28	22.2	24.6	5.0	10
Aromatic C28-C34	18.8	19.9	5.0	5.7
Surrogate	Percent Recovery	Percent Recovery	Control Limits	
o-Terphenyl	73	88	50 - 150	
1-Chlorooctadecane	104	122	50 - 150	

Flags:

Date of Report: August 10, 2001
 Samples Submitted: July 28, 2001
 Lab Traveler: 07-199
 Project: 6th & Naval Ave.

EXTRACTABLE PETROLEUM HYDROCARBONS SPIKE BLANK QUALITY CONTROL

Date Extracted: 7-30-01
 Date Analyzed: 8-1-01
 Matrix: Soil
 Units: mg/Kg (ppm)

Lab ID: SB0730S1

Spike Amount 100 mg/Kg (ppm)

	Results	PQL
Aliphatic C10-C12	6.67	5.0
Aliphatic C12-C16	21.8	5.0
Aliphatic C16-C18	14.2	5.0
Aliphatic C18-C21	12.8	5.0
Aliphatic C21-C28	5.56	5.0
Aliphatic C28-C36	ND	5.0
Total Aliphatic	61	

Aromatic C10-C12	ND	5.0
Aromatic C12-C16	7.02	5.0
Aromatic C16-C18	6.82	5.0
Aromatic C18-C21	5.73	5.0
Aromatic C21-C28	ND	5.0
Aromatic C28-C34	ND	5.0
Total Aromatic	19.6	

Percent Recovery 81

	Percent Recovery	Control Limits
Surrogate o-Terphenyl	68	50 - 150
1-Chlorooctadecane	80	50 - 150

Flags:



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

Chain of Custody

Company: Kane Environmental Inc.

Project No.: _____

Project Name: 6th & Naval Ave

Project Manager: John Kane

Turnaround Request (in working days)

(Check One)

☐ Same Day ☐ 1 Day

☐ 2 Day ☐ 3 Day

☐ Standard
(Hydrocarbon analyses: 5 days,
All other analyses: 7 days)

☒ Wed Aug 1
(other)

Project Chemist: D. Baumeister

Laboratory No. 07-199

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Vol	Cont	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270C	PAHs by 8270C	PCBs by 8082	Pesticides by 8081	Total RCRA Metals (8)	TCLP Metals	VPH	EPH	% Moisture
1	KP-HO: N. Sidewalk: 10-12'	7-27-01	11:00	S	1				X											X
2	KP-HO: E. Sidewalk: 10-12'		11:15	S	1				X											X
3	KP-HO: S. Sidewalk: 10-12'		11:30	S	1				X				⊗					⊗		X
4	KP-HO: W. Sidewalk: 10-12'		11:45	S	1				X				⊗					⊗		X
5	KP-HO: Bottom: 18'		12:15	S	1				X											X

RELINQUISHED BY <u>John Kane</u>	DATE <u>7-28-01</u>	RECEIVED BY <u>[Signature]</u>	DATE <u>7/28/01</u>
FIRM <u>Kane Environmental Inc.</u>	TIME <u>9:00</u>	FIRM <u>OnSite Env</u>	TIME <u>2:15</u>
RELINQUISHED BY	DATE	RECEIVED BY	DATE
FIRM	TIME	FIRM	TIME
REVIEWED BY	DATE REVIEWED		

COMMENTS:

Wed. Aug 1 verbal OK

Silica Gel / Acid Wash.

⊗ Added 8/3/01. DB. 5 day TAT.

Chromatographs with final report ☐



**OnSite
Environmental Inc.**

Analytical Testing and Mobile Laboratory Services

August 17, 2001

John Kane
Kane Environmental, Inc.
2415 7th Avenue West
Seattle, WA 98119

Re: Analytical Data for Project 6th & Naval
Laboratory Reference No. 0108-104

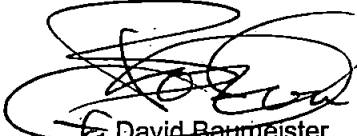
Dear John:

Enclosed are the analytical results and associated quality control data for samples submitted on August 13, 2001.

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: August 17, 2001
Samples Submitted: August 13, 2001
Lab Traveler: 08-104
Project: 6th & Naval

NWTPH-Dx

Date Extracted: 8-15-01
Date Analyzed: 8-15-01

Matrix: Soil
Units: mg/Kg (ppm)

Client ID:	081001-8A	081001-9A	KP-HO: E. Sidewell:10-12' A
Lab ID:	08-104-01	08-104-02	08-104-05

Diesel Fuel:	ND	ND	120
PQL:	26	27	33
Heavy Oil:	ND	ND	65
PQL:	53	54	65

Surrogate Recovery:			
o-Terphenyl	113%	87%	100%

Flags:	Y	Y	Y
--------	---	---	---

Date of Report: August 17, 2001
Samples Submitted: August 13, 2001
Lab Traveler: 08-104
Project: 6th & Naval

NWTPH-Dx

Date Extracted: 8-15-01
Date Analyzed: 8-15-01

Matrix: Soil
Units: mg/Kg (ppm)

Client ID: KP-HO: W. Sidewell:10-12' A 081001-19
Lab ID: 08-104-06 08-104-07

Diesel Fuel:	ND	ND
PQL:	26	29
Heavy Oil:	110	ND
PQL:	53	57

Surrogate Recovery:
o-Terphenyl 102% 84%

Flags: Y Y

Date of Report: August 17, 2001
Samples Submitted: August 13, 2001
Lab Traveler: 08-104
Project: 6th & Naval

NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted: 8-15-01
Date Analyzed: 8-15-01

Matrix: Soil
Units: mg/Kg (ppm)

Lab ID: MB0815S1

Diesel Fuel: ND
PQL: 25

Heavy Oil: ND
PQL: 50

Surrogate Recovery:
o-Terphenyl 105%

Flags: Y

Date of Report: August 17, 2001
Samples Submitted: August 13, 2001
Lab Traveler: 08-104
Project: 6th & Naval

NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted: 8-15-01
Date Analyzed: 8-15-01

Matrix: Soil
Units: mg/Kg (ppm)

Lab ID: 08-086-01 08-086-01 DUP

Diesel Fuel:	ND	ND
PQL:	25	25
RPD:	N/A	

Surrogate Recovery:		
o-Terphenyl	73%	69%

Flags:

Date of Report: August 17, 2001
Samples Submitted: August 13, 2001
Lab Traveler: 08-104
Project: 6th & Naval

% MOISTURE

Date Analyzed: 8-15-01

Client ID	Lab ID	% Moisture
081001-8A	08-104-01	5.0
081001-9A	08-104-02	8.0
KP-HO:E. Sidewell:10-12'A	08-104-05	23
KP-HO:W. Sidewell:10-12'A	08-104-06	5.0
081001-19	08-104-07	13



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



Chain of Custody

Company:	Kare Environment
Project No.:	
Project Name:	6 th & Naval
Project Manager:	John Kare

[illegible]

Attachment B
Evaluation of TPH for Soil Cleanup Level

**EPH Analysis for Soil Sample
KP-HO:South Sidewall: 10-12 ft**

Limiting Soil Conc Direct Cont.

Residential Scenario - Method B							
Compound	Limiting Soil Conc. (mg/Kg)	Original (1) Soil Conc. (mg/Kg)	O _{RFD}	Factor	Residential Multiplier	Calculated (2) HQ from ITPH	Limiting HQ
Total aliphatic	3136.74	1686.00	0.06	1.25E-05	2.08E-04	0.35	0.65
Total aromatic	831.63	447.00	0.03				
Benzene	0.00						
Ethylbenzene	0.00		0.10	1.25E-05	1.25E-04	0.00	0.00
Toluene	0.00		0.20	1.25E-05	6.25E-05	0.00	0.00
Xylene	0.00		2.00	1.25E-05	6.25E-06	0.00	0.00
Total aromatic+B-E-X	831.63	447.00	0.03	1.25E-05	4.17E-04	0.19	0.35
Total Conc.	3,968	2133.00			Hazard Index	0.54	1.00
(1) Concentration from initial run of Interim TPH Policy using intial soil concentrations							
(2) HQ from initial run of Interim TPH Policy using intial soil concentrations							

Table 1B. Soil to Groundwater Pathway Calculations

Sample Number:

Compound	Soil (mg/kg)	MW (g/mol)	Moles (mmol/kg)	Mole Fraction	Solubility (mg/L)	Effective Solubility (mg/L)	DF	Conc. @ Well (mg/L)
<i>Aliphatics</i>								
EC 5-6	0.00	81	0.0	0.00	28	0.00	20	0.000
EC >6-8	0.00	100	0.0	0.00	4.2	0.00	20	0.000
EC >8-10	0.00	130	0.0	0.00	0.33	0.000	20	0.0000
EC >10-12	36.00	160	0.2	0.03	0.026	0.0007	20	0.00004
EC >12-16	550.00	200	2.8	0.33	0.00059	0.00020	20	0.00001
EC >16-21	830.00	270	3.1	0.37	1.00E-06	0.0000004	20	1.86E-08
EC >21-34	270.00	325	0.8	0.10	1.00E-06	0.0000001	20	5.01E-09
Total Aliphatics	1686							
<i>Aromatics</i>								
Benzene	0.00	78	0.0	0.00	1780	0.0	20	0.000
Toluene	0.00	92	0.0	0.00	520	0.0	20	0.000
EC >8-10	0.00	120	0.0	0.00	65	0.0	20	0.000
EC >10-12	0.00	130	0.0	0.00	25	0.0	20	0.000
EC >12-16	22.00	150	0.1	0.02	5.80	0.10	20	0.005
EC >16-21	290.00	190	1.5	0.18	0.51	0.094	20	0.0047
EC >21-35	135.00	240	0.6	0.07	0.01	0.000679	20	0.00003
Total Aromatics	447							
Total	2133		8.3	1.0				0.01

**EPH Analysis for Soil Sample
KP-HO:West Sidewall: 10-12 ft**

Limiting Soil Conc Direct Cont.

Residential Scenario - Method B							
Compound	Limiting Soil Conc. (mg/Kg)	Original (1) Soil Conc. (mg/Kg)	O _{RFD}	Factor	Residential Multiplier	Calculated (2) HQ from ITPH	Limiting HQ
Total aliphatic	3438.97	3259.00	0.06	1.25E-05	2.08E-04	0.68	0.72
Total aromatic	680.51	644.90	0.03				
Benzene	0.00						
Ethylbenzene	0.00		0.10	1.25E-05	1.25E-04	0.00	0.00
Toluene	0.00		0.20	1.25E-05	6.25E-05	0.00	0.00
Xylene	0.00		2.00	1.25E-05	6.25E-06	0.00	0.00
Total aromatic+B-E-X	680.51	644.90	0.03	1.25E-05	4.17E-04	0.27	0.28
Total Conc.	4,119	3903.90			Hazard Index	0.95	1.00
(1) Concentration from initial run of Interim TPH Policy using intial soil concentrations							
(2) HQ from initial run of Interim TPH Policy using intial soil concentrations							

Table 1B. Soil to Groundwater Pathway Calculations

Sample Number:

Compound	Soil (mg/kg)	MW (g/mol)	Moles (mmol/kg)	Mole Fraction	Solubility (mg/L)	Effective Solubility (mg/L)	DF	Conc. @ Well (mg/L)
<i>Aliphatics</i>								
EC 5-6	0.00	81	0.0	0.00	28	0.00	20	0.000
EC >6-8	0.00	100	0.0	0.00	4.2	0.00	20	0.000
EC >8-10	0.00	130	0.0	0.00	0.33	0.000	20	0.0000
EC >10-12	190.00	160	1.2	0.07	0.026	0.0019	20	0.00009
EC >12-16	1300.00	200	6.5	0.40	0.00059	0.00023	20	0.00001
EC >16-21	1420.00	270	5.3	0.32	1.00E-06	0.0000003	20	1.61E-08
EC >21-34	349.00	325	1.1	0.07	1.00E-06	0.0000001	20	3.29E-09
Total Aliphatics	3259							
<i>Aromatics</i>								
Benzene	0.00	78	0.0	0.00	1780	0.0	20	0.000
Toluene	0.00	92	0.0	0.00	520	0.0	20	0.000
EC >8-10	0.00	120	0.0	0.00	65	0.0	20	0.000
EC >10-12	7.90	130	0.1	0.00	25	0.1	20	0.005
EC >12-16	84.00	150	0.6	0.03	5.80	0.20	20	0.010
EC >16-21	430.00	190	2.3	0.14	0.51	0.071	20	0.0035
EC >21-35	123.00	240	0.5	0.03	0.01	0.000314	20	0.00002
Total Aromatics	644.9							
Total	3904		16.3	1.0				0.02



Environmental, Inc.

Phase I Environmental Site Assessment and Limited Phase II Investigation Report

**6th & Naval Avenue
Bremerton, Washington**

March 30, 2001

Prepared By:

Kane Environmental, Inc.
2415 7th Avenue West
Seattle, WA 98119



John Kane
Principal

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March 30, 2001

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1.0 INTRODUCTION

Kane Environmental, Inc. (Kane Environmental) has conducted a Phase I Environmental Site Assessment (ESA) for the properties located within the city block bordered by Naval and Roosevelt Avenues and 6th and 7th Streets (Property) in Bremerton, Washington. (Figures 1 & 2). This project has been performed on behalf of Albertson's, Inc. in connection with the potential purchase of the Property. The Phase I ESA was performed in accordance with the American Society for Testing and Materials (ASTM) E 1527-00 guidance document, *Standard Practice for Environmental Property Assessments: Phase I Environmental Property Assessment Process*. A Limited Phase II Investigation was performed to determine if potential recognized environmental concerns were present on the Property. The Limited Phase II Investigation was completed in the current standard practice of the industry.

1.1 Objective

The objective of the ESA was to identify recognized environmental conditions. The term *recognized environmental conditions* as defined by ASTM is the presence or likely presence of any *hazardous substances* or *petroleum products* on a *property* under conditions that indicate an existing release, a past release, or a material threat of a release of any *hazardous substances* or *petroleum products* into structures on the *property* or into the ground, ground water, or surface water of the property. The term includes *hazardous substances* or *petroleum products* even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. This report includes information gathered from federal, state, and local agencies and a Property visit conducted by a Kane Environmental representative.

1.2 Procedures and Methodologies

The ESA conducted by Kane Environmental included, but was not limited to, the following services:

- A walk-through inspection of the Property,
- Observation of adjoining properties and Property vicinity,
- Interviews with people familiar with the Property,
- Regulatory agency file reviews,
- Property history, and
- Report including summary of conclusions.

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1.3 Special Terms and Conditions

This document was prepared for the sole use of S.E. Grainger Development Group, L.L.C. and Albertson's, Inc. No other party should rely on the information contained herein without prior written consent of Kane Environmental, Inc.

1.4 Limitations and Exceptions of Assessment

Limitations and exceptions of assessment at the Property, include the following:

This Phase I ESA does not include an evaluation of ASTM 1527-00 non-scope considerations listed in E1527-00 Section 12 including, but not limited to, asbestos-containing materials, lead-based paint, radon, or indoor air quality.

1.5 Environmental Liens or Specialized Knowledge

Property owners stated that they were not aware of any environmental liens or specialized knowledge associated with the Property. Environmental liens were not found during a review of the property title information.

2.0 PROPERTY OVERVIEW

2.1 Property Location

Kane Environmental, Inc. (Kane Environmental) has conducted a Phase I Environmental Site Assessment (ESA) for the properties located within the city block bordered by Naval and Roosevelt Avenues and 6th and 7th Streets (Property) in Bremerton, Washington. (Figures 1 & 2). The Property contains a total of six structures on 1.25 acres of land. The current property addresses and ownership are as follows:

<u>Property Address</u>	Owner	Kitsap County Tax Assessor Number
2005 7 th St (Vacant House)	Loren Johnson	3807-009-007-0003
2009 7 th St (Residence/Blue House)	Loren Johnson	3807-000-005-0005
2013 7 th St. (Residence/Yellow House)	Mr. Charles Cates	3807-009-004-0006
2020 6 th St. (Pour House Tavern)	Mr. Charles Cates	3807-009-001-0009
2016 6 th St. (Kings Pavilion Restaurant)	Mr. Stanley Fong	3807-009-014-0004
2008 6 th St. (WA State Liquor Store)	Mr. Ron Asleson	3807-009-010-0008

2.2 Property and Vicinity Characteristics

The Vicinity Map is presented as Figure 1 and a Site Plan is provided as Figure 2. As indicated in Figure 1, Naval and Roosevelt Avenues runs in a general north-south direction. The Property is bounded to the north by 7th Street, to the east by Roosevelt Avenue, to the south by 6th Street and west by Naval Avenue.

2.3 Property Improvements

The Property contains six structures; the Pour House Tavern, the Kings Pavilion Restaurant, a State of Washington Liquor Store, one vacant residence and two occupied residences. An alleyway runs east-west through the center of the city block connecting Naval and Roosevelt Avenues (Figure 2).

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2.4 Topography

The U.S. Geological Survey (USGS) topographic map, Bremerton, WA Quadrant, of the area indicates that the ground surface in the immediate Property vicinity is relatively flat, sloping gently toward the southwest.

2.5 Regional Groundwater and Soil Characterization

Regional groundwater flows is expected to flow in a south to southwesterly direction, however, groundwater was not encountered during the Limited Phase II Investigation and geotechnical evaluation at the Property. Based on the results of the Limited Phase II Investigation and geotechnical evaluation, the soil types on the Property contain medium to dense sand and silty sand. More detail regarding soil type and conditions are provided in the ADaPT Engineering, Inc. Geotechnical Evaluation dated January 23, 2001 for the Property.

3.0 PROPERTY HISTORY

3.1 History of Property Use

Kane Environmental reviewed historical site and adjoining property uses to assess whether prior owners or tenants of the Property or adjacent sites may have conducted activities that could pose recognized environmental concerns to the Property. Kane Environmental's research included conducting and reviewing historical aerial photographs and interviews with property owners. Historic Sanborn Fire Insurance Maps were available for the Property and vicinity. Property historical information is provided in the table below to facilitate review of Property and adjacent property use from 1936 to present.

Kane Environmental's sources of historical information included the following:

- Aerial photographs taken from 1947 to 1997. Photographs were dated 1947, 1956, 1963, 1971, 1977, 1985, 1989, 1993 and 1997 were provided Walker & Associates of Tukwila, Washington.
- Sanborn Fire Insurance maps were reviewed for the years 1914, 1925, 1928, 1947 and 1968.

The results of Kane Environmental's historical research are presented in Table 1 below.

Table 1
Historical Summary

YEAR	OBSERVATIONS/FINDINGS	SOURCE
1914	<u>Property:</u> Six residences and five storage sheds or garages are located on the Property. The location of the current King Pavilion appears to read "Dance Hall". <u>Adjacent Properties:</u> The surrounding properties are residential.	Sanborn Fire Insurance Map

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1925	<p><u>Property:</u></p> <p>Ten residences and five storage sheds or garages are located on the Property. The location of the current Kings Pavilion Restaurant is not readable. The location of the current Pour House Tavern is not readable, but does not appear to be a residence</p> <p><u>Adjacent Properties:</u></p> <p>The surrounding properties are residential.</p>	Sanborn Fire Insurance Map
1928	<p><u>Property:</u></p> <p>Ten residences and seven storage sheds or garages are located on the Property. The location of the current King Pavilion is not legible. The location of the current Pour House Tavern is appears to read "Garage".</p> <p><u>Adjacent Properties:</u></p> <p>The surrounding properties are residential, except that there may be a "Garage" directly west of the Pour House Tavern location across Naval Avenue.</p>	Sanborn Fire Insurance Map
1947	<p><u>Property:</u></p> <p>Seven residences and seven storage sheds or garages are located on the Property. The location of the current King Pavilion appears to read "Shop". The location of the current Pour House Tavern reads "Auto Repair from 6th Street north to 7th Street. A small shop is located at the southeastern corner of the Property.</p> <p><u>Adjacent Properties:</u></p> <p>The surrounding properties are residential, except that there is a "Shop" directly west of the Pour House Tavern location across Naval Avenue and two "Gas & Oil" on the southwest and southeast corners of the intersection of 6th Street and Naval Avenue .</p>	Sanborn Fire Insurance Map

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1947	<p><u>Property:</u></p> <p>The aerial photograph shows the same information as the 1947 Sanborn Fire Insurance map.</p> <p><u>Adjacent Properties:</u></p> <p>All adjacent properties around the perimeter of the Property appear to be residential, except for a commercial structure located at the SW corner at the intersection of 6th St. and Naval Avenue.</p>	<p>Black-and-White Aerial Photograph</p> <p>Scale: 1" = 1,500 ft</p>
1956	<p><u>Property:</u></p> <p>The Property appears the same as the 1947 aerial photograph.</p> <p><u>Adjacent Properties:</u></p> <p>All adjacent properties around the perimeter of the Property appear to be residential. The service station at the corner of 6th and Naval Ave is still present.</p>	<p>Black-and-White Aerial Photograph</p> <p>Scale: 1" = 1,500 ft</p>
1963	<p><u>Property:</u></p> <p>The Property appears the same as the 1956 aerial photograph, except there are approximately 15 cars parked in the northern parking lot north of the Pour House Tavern building.</p> <p><u>Adjacent Properties:</u></p> <p>The adjacent properties are the same as the 1956 aerial photograph except there are about 20 cars parked west across Naval Avenue (auto sales).</p>	<p>Black-and-White Aerial Photograph</p> <p>Scale: 1" = 1,500 ft</p>

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1968	<p><u>Property:</u></p> <p>Seven residences and seven storage sheds or garages are located on the Property. The location of the current King Pavilion appears to read "Shop" with a residence connected on the north side of the building. The location of the current Pour House Tavern reads "Auto Sales". The lot north of the Auto Sales building is not legible. A small shop is still located at the southeastern corner of the Property.</p> <p><u>Adjacent Properties:</u></p> <p>The surrounding properties are residential, except that the property directly west of the Pour House Tavern location across Naval Avenue reads "Auto Sales" and two "Gas & Oil" on the southwest and southeast corners of the intersection of 6th Street and Naval Avenue are still present.</p>	Sanborn Fire Insurance Map
1971	<p><u>Property:</u></p> <p>The Property appears the same as the 1956 aerial photograph, except there are fewer cars parked in the northern parking lot north of the Pour House Tavern building.</p> <p><u>Adjacent Properties:</u></p> <p>The adjacent properties are the same as the 1963 aerial photograph.</p>	<p>Black-and-White Aerial Photograph</p> <p>Scale: 1" = 1,500 ft</p>
1977	<p><u>Property:</u></p> <p>The Property is the same as the 1971 aerial photograph, except there are no residences in the SE corner of the Property. Autos are parked and there are two small buildings and the area appears to be paved.</p> <p><u>Adjacent Properties:</u></p> <p>The adjacent properties are the same as the 1971 aerial photograph.</p>	<p>Black-and-White Aerial Photographs</p> <p>Scale: 1" = 1,500 ft</p>

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1985	<p><u>Property:</u></p> <p>No autos are parked in the lot north of the Pour House Tavern building. One of the residences in the NE corner of the Property is absent. The Property is similar to present day except the SE corner of the Property still contains two small buildings and appears paved.</p> <p><u>Adjacent Properties:</u></p> <p>The adjacent properties are the same as the 1977 aerial photograph.</p>	<p>Black-and-White Aerial Photograph</p> <p>Scale: 1" = 1,500 ft</p>
1989	<p><u>Property:</u></p> <p>The Property appears the same as the 1985 aerial photograph.</p> <p><u>Adjacent Properties:</u></p> <p>The adjacent properties appears the same as the 1985 aerial photograph.</p> <p>Note: This aerial photograph was of poor quality.</p>	<p>Black-and-White Aerial Photograph</p> <p>Scale: 1" = 3,000 ft</p>
1993	<p><u>Property:</u></p> <p>The Property appears the same as the 1985 aerial photograph.</p> <p><u>Adjacent Properties:</u></p> <p>The adjacent properties appears the same as the 1985 aerial photograph. A small apartment building is located north of the Property at the intersection of 7th Street and Naval Avenue, and appears to be the same as the present day.</p>	<p>Color Aerial Photograph</p> <p>Scale: 1" = 2,000 ft</p>
1997	<p><u>Property:</u></p> <p>The Property is the same as the present day. The liquor store is present in the SE corner of the Property</p> <p><u>Adjacent Properties:</u></p> <p>The adjacent properties appears the same as the present day.</p>	<p>Color Aerial Photograph</p> <p>Scale: 1" = 2,000 ft</p>

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3.2 Summary of Historical Information

The Sanborn Fire Insurance maps show that the Property and surrounding area was residential from 1914 through 1928. Commercial development started circa 1947 on the Property and surrounding properties. The residence in the southeast corner of the Property was absent in the 1977 aerial photograph, while the current liquor store building was present in the 1997 aerial photograph. The historic topographic maps did not reveal any potential environmental concerns for the Property.

4.0 PROPERTY RECONNAISSANCE

4.1 Property Reconnaissance

Mr. John Kane of Kane Environmental conducted a Property inspection on Thursday, December 14, 2000. An inspection was conducted at the Property to identify visible evidence of recognized environmental conditions. The Limited Phase II Investigation fieldwork was conducted on Friday December 15, 2000.

4.1.1 Interviews with Persons Knowledgeable about the Property

Mr. Kane conducted interviews with the following property owners:

Mr. Charles Cates	Pour House Tavern
Mr. Charles Cates	Residence (2013 7 th St./Yellow House)
Mr. Stanley Fong	King Pavilion Restaurant
Mr. Ron Asleson & Mr. David Hill	Washington State Liquor Store property
Mr. Loren Johnson	Vacant residence (2005 7 th St./Vacant House)
Mr. Loren Johnson	Residence (2009 7 th St./Blue House)

4.1.2 Property Inspection

Mr. Kane performed an inspection inside all the six structures and around the perimeter observing the Property grounds for visible evidence of recognized environmental conditions. Historical information and observations made during the Property inspection are discussed below.

Pour House Tavern and Yellow House Residence

The Pour House Tavern is a one-story structure with an attic used for storage only. There is no basement associated with the building. One large room encompasses the dining area, bar area, walk-in refrigeration room, a storage closet, a gambling area and recreational/dancing area. The walls consist of wood and the floor consists of carpeting and vinyl floor tile. The structure is composed of wood as the primary construction material.

The Yellow House is a one-story structure with a basement and attic crawl space. The house consists of a living area, one bedroom, kitchen and bathroom.

Mr. Cates told Kane Environmental that he has owned the Pour House Tavern for 3 years and that the Pour House Tavern has been in business since 1987. Prior to 1987, Mr. Cates stated that the building was used as a NAPA auto parts store and as a automobile dealership. Mr. Cates noted that there may have been a sub-grade maintenance pit that was covered when the auto dealership activity ended. The mechanics would have worked beneath the automobiles while standing in the sub-grade pit. Mr. Cates could not confirm that the sub-grade pit existed inside the building. Kane Environmental did not observe any indication inside the building of a sub-grade maintenance pit.

Mr. David Hill, who has been a resident of Bremerton for 60 years and grew up in this neighborhood, stated that the Pour House building was an automobile dealership from 1940 through the 1950s. Mr. Hill stated that the parking lot north of the tavern was used to store automobiles for sale. Mr. Hill stated that the property was an auto parts store during the 1960s, and an auto parts store or health club in the 1970s and 1980s until the Pour House Tavern was opened in 1987.

Mr. Cates stated that the Pour House Tavern building has always been connected to city sewer. Mr. Cates was not aware of any USTs on the Pour House Tavern property. The power source for the refrigeration room was natural gas.

Mr. Cates and Mr. Hill stated that the Yellow House residence has been on the Property since the 1930s or 1940s.

Kings Pavilion Restaurant

The Kings Pavilion Restaurant is a one-story structure with the restaurant on the southern portion of the building and an apartment connected on the northern portion of the building. The kitchen is located between the restaurant and the apartment. This is a small crawlspace beneath the apartment portion of the building.

Mr. Fong has operated the restaurant and lived in the residential portion of the building for approximately the past 15 years. Mr. Wong did not know any historical information regarding the building, except that it used to be a Dairy Queen restaurant. Mr. Hill stated that the building was used as a Dairy Queen since the late 1940s up until it became a restaurant in the mid 1980s.

Washington State Liquor Store

The Washington State Liquor Store building is one-story, new construction primarily composed of concrete blocks. Mr. Hill told Kane Environmental that the liquor store building was constructed in 1994. Mr. Hill stated that a previous owner demolished two residences on this portion of the Property in 1976/1977. The previous owner paved the lot and used it as a used automobile dealership. Mr. Hill purchased this property in 1983 and operated the used automobile dealership until 1994, when the liquor store building was constructed. Mr. Hill stated that there were no USTs or underground hydraulic lifts associated with the used car operation and only two temporary sheds were located on-site for automobile detailing (cleaning and washing). Mr. Hill stated that no auto maintenance or repair activity occurred on his property.

Vacant House and Blue House Residence

Mr. Johnson told Kane Environmental that the Vacant House and Blue House have been residences since at least the 1940s. Both structures are primarily composed of wood and have living areas, bedrooms, kitchen and attic crawl spaces. The Vacant House has a full basement with a second small kitchen area. Mr. Johnson stated that a third house located on the same parcel as the Vacant House, in the northeastern portion of the Property, burned to the ground in 1984. Mr. Hill confirmed that the residence did burn down in 1984. Mr. Johnson stated that some minor debris may be located in the area of the former residence. Kane Environmental observed some concrete sidewalks in this portion of the Property.

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Kane Environmental did not observe any potential hazardous materials located in any of the buildings. Kane Environmental did not observe the presence of underground sumps or hydraulic lifts inside the Pour House Tavern building.

Property Exterior Areas

Parking was available in the parking lot north of the Pour House Tavern and to the east of the Kings Pavilion. Parking was also available south of the State liquor store. Street parking was available for the residences located on 7th St. An alleyway that runs east-west separate the three commercial buildings in the southern half of the Property with the residences in the northern half of the Property.

There is a small storage area on the northeast corner of the Pour House Tavern. A covered portion of the storage area has an old air compressor that could contain PCB-laden oil. Kane Environmental did not observe an spills or leaks associated with the air compressor. The air compressor does not represent a potential environmental concern for the Property.

Both the Yellow House and the Blue House had small one car garages with alleyway access. The front door entry and basement windows of the Vacant House are sealed with plywood.

4.1.3 Access to the Property

The Property is accessible through street entrances off of Naval Avenue, Roosevelt Avenue, and 6th Street.

4.1.4 Drainage Paths

It appears that storm water on the Property sheet flows west toward the storm drains and then drains toward Naval Avenue. Storm water flow direction was not observed during the site visit.

4.1.5 Property Utilities

Puget Sound Energy provides electricity and natural gas to the Property.

4.1.6 Storage Tanks

According to Mr. Cates, there are no current aboveground or underground storage tanks (AST/UST) on the Pour House Tavern property. Mr. Cates stated that a heating oil UST was located in the back yard of the Yellow House. Mr. Fong stated that a heating oil UST was present

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on the west side of the King Pavilion building. Kane Environmental did not observe any vent or fill pipes that indicated a potential presence of any ASTs or USTs on the Pour House Tavern building, but a vent pipe was located on the western side of the Kings Pavilion building. Mr. Johnson stated that heating oil USTs were present for the Vacant House and the Blue House.

4.1.7 Obvious Odors

No obvious odors were identified on the Property.

4.1.8 Evidence of Landfills, Dumping, or Burial Activities

No evidence of landfills, illegal dumping or burial activities was observed on the Property. Solid waste dumpsters were observed in the alleyway.

4.1.9 Evidence of Surface Impoundments, Holding Ponds or Wetlands

No surface impoundments, holding ponds or potential wetlands were identified on the Property.

4.1.10 Evidence of Air Emissions or Wastewater Discharge

No evidence of regulated air emissions or industrial wastewater discharges were observed on the Property.

4.1.11 Monitoring Wells or Remedial Activities

No permanent monitoring wells or remedial activities were observed during the site visit.

4.1.12 Evidence of Stained or Discolored Soil

No evidence of stained or discolored soil was observed on the Property.

4.1.13 Evidence of Leachate or Seeps

No evidence of leachate or seeps was identified on the Property.

4.1.14 Evidence of Distressed, Discolored, or Stained Vegetation

No evidence of distressed, discolored, or stained vegetation was identified on the Property.

4.1.15 Evidence of Chemical Spills or Releases

No evidence of chemical spills or releases was observed on the Property.

4.1.16 Evidence of Ground Water and Surface Water Contamination

No evidence of ground water or surface water contaminants was observed on the Property.

4.1.17 Discharges, Leachate, Migration, or Runoff of Potential Contaminants from Off-Property Sources

No discharges, leachate, migration, or runoff of potential contaminants from off-site sources was identified during the Property inspection.

4.1.18 Other Known or Observed Environmentally Sensitive Conditions

No other known or observed environmentally sensitive conditions existed on the Property.

4.2 Transformers and PCB Equipment

Two pole-mounted electrical transformers were observed on the Property in the alleyway. The transformers showed no sign of leakage. Kane Environmental contacted Mr. Mel Walters of Puget Sound Energy regarding the pole-mounted transformers on the Property. Mr. Walters did not return any calls made by Kane Environmental. Since the transformers are owned by Puget Sound Energy, any environmental concerns regarding potential PCB-laden oil inside the transformers would be the responsibility of Puget Sound Energy. The presence of the potential PCB-laden transformers is not considered a recognized environmental concern for the Property.

The Pour House Tavern and Liquor Store contained fluorescent lighting. The ballasts located inside the lighting fixtures could contain PCB-laden oil. The ballasts should be checked and properly disposed of if the fluorescent lighting fixtures are replaced. The presence of the potential PCB-laden ballasts is not considered a recognized environmental concern for the Property.

4.3 On-Property Regulated Substance Identification/Inventory

Kane Environmental did not observe any hazardous substances in any of the buildings on the Property. All of the property owners told Kane Environmental that hazardous substances were not used on their property.

4.4 Adjacent Property Use

Kane Environmental performed a reconnaissance of the adjacent properties to observe businesses that may use, store, generate, or dispose of hazardous materials. In addition, properties that appear on regulatory agency lists that document hazardous material problems or the use, storage, generation, transport, or disposal of hazardous materials were also observed. A description of the surrounding area is provided below:

North: The property is bordered by residences across 7th Street.

East: The Property is bordered by residences and a Baskin Robbins ice cream shop across Roosevelt Avenue.

South: The Property is bordered to the south by two gasoline service stations across 6th Street. The gasoline stations are down-slope from the Property.

West: The Property is bordered to the west across Naval Avenue by commercial buildings and residences.

The surrounding adjacent areas are used for residential and commercial purposes. Based on the results of the Phase I ESA, the current uses of the adjacent properties most likely do not have the potential to pose environmental concerns to the Property.

5.0 REGULATORY AGENCY RESEARCH

Review of Published Regulatory Agency List

Regulatory agency database information was obtained from EDR's Radius Map Report, which maps and lists sites in government and state environmental databases with existing conditions or status that may have the potential to impact the Property. EDR also provides a list of properties that cannot be mapped due to the lack of available information to precisely identify the property or its location relative to the Property. These properties are listed as "orphan sites." The list was reviewed and none of the orphan sites are expected to have the potential to impact the Property.

Table 2
Regulated Sites of Concern

Site Name	Approximate Distance/Direction From Subject Property	Topography*	Regulatory Program
Newman's Chevron	<0.125 miles SE	Down-slope	UST, LUST
Arco #5810/PSI #5229	<0.125 miles SW	Down-slope	RCRIS-SQG WA ICR UST, LUST
Ward Radiator	<0.125 SSW	Down-slope	CSCSL
Puget Power- Hewitt Substation	<0.5 miles NNE	Up-slope	WA ICR
Ralph Nicholas Garguile	<0.5 miles E	Down-slope	LUST
BP	<0.5 miles E	Down-slope	WA ICR
Coca Cola	<0.5 miles NE	Down-slope	LUST WA ICR
Tosco Bulk Plant/Pacific Coast Energy Bremerton	<1 mile NNE	Down-slope	WA ICR CSCSL
Kitsap Transit Bremerton	<1 mile SW	Down-slope	WA ICR
Old Bremerton Gasworks & Sesko Property	<1 mile NNE	Down-slope	CSCSL
Banner Car Wash	<1 mile WNW	Down-slope	WA ICR
USN PSNS Bremerton	<1 mile SSE	Down-slope	NPL
Bremerton School District Haddon Elementary	<1 mile NW	Down-slope	CSCSL WA ICR
Lamberts Radiator Shop	<1 mile WNW	Down-slope	CSCSL

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Site Name	Approximate Distance/Direction From Subject Property	Topography*	Regulatory Program
P&R Quick Stop	<1 mile SSW	Down-slope	WA ICR
Pederson Oil Site	<1mile N	Down-slope	CSCSL
Darigold Inc.	<1mile E	Down-slope	WA ICR
Park Avenue Cleaners	<1 mile ESE	Down-slope	WA ICR
Evergreen Park Bremerton	<1 mile ENE	Down-slope	CSCSL
Brem-Air Disposal, Inc.	<1 mile ENE	Down-slope	CSCSL WA ICR
Lofthus Bulk Plant	<1 mile ENE	Down-slope	CSCSL
USN PSNS	<1 mile ESE	Down-slope	CSCSL
Chevron Tank Farm Port WA	<1mile ENE	Down-slope	CSCSL
Constitution Av Landfill	<1 mile SW	Down-slope	CSCSL

*Topography identifies whether the site of concern is up-slope, down-slope, or cross-slope from the subject property.

Washington Independent Cleanup Report

WA ICR sites include sites in the State of Washington where Ecology has received remedial action reports from either the property owner or the operator of the site.

The ARCO #5810/PSI #5229, located within 0.125 miles SW down-slope from the subject property, shows a status of "Interim cleanup report" received, and thus the potential for adverse impacts from this site to the subject property is low.

The Puget Power-Hewitt Substation is located less than 0.5 miles NNE up-slope from the subject property and shows a status of Final cleanup report received. For this reason, the potential for adverse impacts from this site to the subject property is low.

The remaining ten sites listed on the EDR Report within a 1 mile radius of the subject property are all down-slope from the subject property, and thus the potential for adverse impact from these sites to the subject property is low.

Resource Conservation and Recovery Act Generators

RCRA GEN sites are facilities that generate hazardous waste as defined under RCRA. These sites of concern may be identified as either Large Quantity Generators (LQGs) or Small Quantity

Generators (SQGs) of hazardous waste. Generators of more than 2,200 pounds of hazardous waste per month are LQGs.

One RCRIS-SQG site was identified within one-eighth mile of the subject property. The Arco #5810/PSI #5229 is located SW down-slope of the subject property and shows a status of "No violations found." For this reason, the potential for adverse impacts from this site to the subject property is low.

Confirmed and Suspected Contaminated Sites List

CSCS List information includes known and suspected hazardous waste disposal sites in the State of Washington and may include leaking underground storage tank sites.

Twelve CSCSL sites were identified within 1 mile down-slope of the subject property. However, due to the distance and topographic information relative to the subject property, the potential for adverse impact is low.

Leaking Underground Storage Tanks

LUST sites include those with reported leaking underground tank incidents.

Four LUST sites were identified within a one-half mile radius of the subject property.

Newman's Chevron, located within 0.125 SE down-slope of the subject property, shows a status of "Clean-up Started," and for this reason the potential for adverse impacts to the subject property is low.

The Arco #5810/PSI #5229 is located within 0.125 miles SW and down-slope of the subject property and shows a status of "cleanup started." Ralph Nicholas Garguile is located less than 0.5 miles E. and down-slope of the subject property, and also shows a status of "cleanup started." For this reason the potential for adverse impacts to the subject property is low.

Coca Cola, located within 0.5 miles NE and down-slope of the subject property, shows a current status on the EDR Report of "Awaiting cleanup." However, due to the distance and affected media the potential for adverse impacts to the subject property is low.

Underground Storage Tanks

UST sites are facilities with registered underground storage tanks.

Two UST sites were identified in the EDR Report within one-eighth mile of the subject property. Newman's Chevron is located within 0.125 SE down-slope of the subject property, and the Arco #5810/PSI #5229 is located within 0.125 SW down-slope of the subject property. Both of these show a status of "Cleanup started," and for this reason combined with their topographical location, the potential for adverse impacts to the subject property is low.

The presence of USTs in the area does not necessarily indicate current environmental problems, but may be cause for concern due to the increased potential for leaks or releases of hazardous materials to the environment. It should be noted that there may be other, unregistered USTs located at or in the vicinity of the subject property; the potential for these tanks to impact the subject property is not readily available.

National Priority List

Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program.

USN PSNS Bremerton is located within 1 mile SSE and down-slope of the subject property. However, due to the distance and topography the potential for adverse impacts to the subject property is low.

5.1 Additional Regulatory Records

Kitsap County Environmental Department

EPI contacted Mr. John Rork of the Kitsap County Environmental Department for information concerning the surrounding area. Mr. Rork did not return the calls made by Kane Environmental and information from the Kitsap County Environmental Department is not expected.

March 30, 2001

City of Bremerton Fire Department

EPI contacted the Mr. Scott Rappleye of the City of Bremerton Fire Department for information about spills, USTs, and LUSTs in the surrounding area. Mr. Scott Rappleye did not return the calls made by Kane Environmental and information from the Fire Department is not expected.

ALTA Survey

Kane Environmental reviewed the ALTA Survey prepared by Bush, Roed & Hitchings, Inc. of Seattle, Washington for the Property. Based on Kane Environmental's review of the survey, no environmental concerns regarding potential wetlands, area flooding or other environmental concerns were found on the Property.

6.0 LIMITED PHASE II INVESTIGATION METHODOLOGY AND RESULTS

Purpose

The purpose of the Limited Phase II Investigation was to perform a limited subsurface exploration to assess the potential presence of total petroleum hydrocarbons (TPH) constituents and volatile organic compounds (VOCs) in the soil at the Property based on the presence of an one former heating oil UST, one operational UST and an unknown subsurface structure, based on a UST locate survey conducted by Underground Detection Services on December 14, 2000. The unknown subsurface structure, which is likely metallic since it was detected during the locate survey, appears to be a very small sump, approximately 2 square feet in size.

Scope of Work and Methodology

The scope of work for this phase of the project involved advancing five Strataprobe borings on the Property. The explorations were advanced to depths of up to 16 feet below ground surface (bgs). The borings were completed by Transglobal Environmental Geosciences of Lacey, Washington (TEG) utilizing a truck-mounted Strataprobe sampling rig. Representative soil samples were collected from each exploration. Each sample collected from the explorations was screened for a sheen on water in a small glass jar. (A photoionization detector was not used during the Limited Phase II Investigation because the weather was cold and wet, and the PID does not respond well in inclement weather.) Following screening and collection, samples were placed in laboratory prepared glass jars equipped with Teflon-lined screw-on lids. All sample jars were subsequently placed in a chilled cooler until they could be transported to the TEG analytical laboratory under chain-of-custody procedures.

Groundwater was not encountered during the drilling activity to a depth of 16 feet bgs. Based on the drilling activity during ADaPT Engineering Geotechnical Evaluation, groundwater was not encountered to a depth of 26.5 feet bgs on the Property.

Strataprobe exploration locations are shown on Figure 2 and the laboratory analytical data and borehole logs are included in Appendix C. The Kane Environmental Limited Phase II included five drilling locations on the Property located in the following areas:

PH-SB-1 - the Pour House Tavern northern parking lot area near the former UST,
PH-SB-2 – adjacent to the unknown structure in the Pour House Tavern northern parking lot,
KP-SB-1 – adjacent to the Kings Pavilion Restaurant heating oil UST,
VH-SB-1 – to the east of the Vacant House,
VH-SB-2 – adjacent to the Vacant House heating oil UST.

Soil Analytical Results

Pour House Tavern

Four soil samples (PH-SB-1: 16 ft, PH-SB-2: 10 ft, PH-SB-2: 12 ft and PH-SB-2: 16 ft) were analyzed for total petroleum hydrocarbons (TPH) Diesel and Heavy Oil (TPH-Diesel and TPH-Oil). Soil sample PH-SB-1: 16 ft resulted in a concentration of TPH-Oil of 380 ppm above the MTCA Method A Soil Cleanup Level of 200 ppm. Soil samples PH-SB-2: 10 ft and PH-SB-2: 12 ft resulted in concentrations of TPH-Oil of 520 ppm and 720 ppm, respectively. Soil sample PH-SB-2: 16 ft resulted in a non-detectable concentration of TPH-Oil. All four soil samples resulted in non-detectable concentrations of TPH-Diesel.

Two additional soil borings (PH-SB-3 and PH-SB-4) were drilled adjacent to the Pour House Tavern Heating Oil UST and small unknown structure on March 8, 2001. Four soil samples (PH-SB-3: 9-10 ft, PH-SB-3: 19-20 ft, PH-SB-4: 5-6 ft, and PH-SB-4: 20-21 ft) all resulted in non-detectable concentrations of TPH-Gas/BTEX, TPH-Diesel, TPH-Oil, and RCRA 8 Metals, except for concentrations of total chromium at PH-SB-3: 19-20 ft and PH-SB-4: 20-21 ft (74 ppm and 78 ppm, respectively) below the MTCA Method A Soil Cleanup Level of 100 ppm.

TPH-contaminated soil appears to be limited to approximately 16 feet bgs in the area of the former Pour House Tavern Heating Oil UST and 12 feet bgs in the area of the small unknown underground structure. (Use of Ecology's Interim TPH Policy would likely result in a cleanup level of at least 2,000 ppm. The Interim TPH Policy will be used during the removal of the USTs at the 6th and Naval Ave. property.)

King Pavilion Restaurant

Four soil samples (KP-SB-1: 5-6 ft, KP-SB-1: 10 ft, KP-SB-1: 12 ft and KP-SB-1: 16 ft) were analyzed for total petroleum hydrocarbons (TPH) Diesel and Heavy Oil (TPH-Diesel and TPH-Oil). Soil samples KP-SB-1: 5-6 ft, KP-SB-1: 10 ft, KP-SB-1: 12 ft resulted in detectable concentrations

of TPH-Diesel of 7,700 ppm, 7,200 ppm and 2,500 ppm, respectively, above the MTCA Method A Soil Cleanup Level.

Soil sample KP-SB-1: 12 ft resulted in non-detectable concentrations of TPH-Gasoline and Benzene, Toluene, Ethylbenzene and Total Xylenes (BTEX). Soil sample KP-SB-1: 12 ft resulted in non-detectable concentrations of arsenic, cadmium, chromium, silver, barium, selenium and mercury and a detectable concentration of lead of 13 ppm, below the MTCA Method A Soil Cleanup Level.

Soil sample KP-SB-1: 16 ft resulted in non-detectable concentrations of TPH-Diesel and Halogenated and Aromatic Hydrocarbons (chlorinated solvents). All four soil samples resulted in non-detectable concentrations of TPH-Oil.

Two additional soil borings (KP-SB-2 and KP-SB-3) were drilled adjacent to the Kings Pavilion Restaurant Heating Oil UST on March 8, 2001. Soil sample KP-SB-2: 5-6 ft resulted in a TPH-Diesel concentration of 6,900 ppm and non-detectable concentrations of TPH-Gas/BTEX, TPH-Oil, Halogenated VOCs, ethylene glycol, and RCRA 8 Metals. Concentrations of PAHs were found at non-detectable concentrations or concentrations below their respective MTCA Method B Soil Cleanup Levels. Soil sample KP-SB-2: 18-20 ft resulted in non-detectable concentrations of TPH-Gas/BTEX, TPH-Diesel, TPH-Oil, and RCRA 8 Metals except for a total chromium concentration of 52 ppm, below the MTCA Method A Soil Cleanup Level. Soil samples KP-SB-3: 5-6 ft and KP-SB-3: 16 ft resulted in non-detectable concentrations of TPH-Gas/BTEX, TPH-Diesel, TPH-Oil, and RCRA 8 Metals. KP-SB-3: 5-6 ft also resulted in non-detectable concentrations of Halogenated VOCs.

Vacant House

Two soil samples (VH-SB-1: 12 ft and VH-SB-2: 8 ft) were analyzed for total petroleum hydrocarbons TPH-Diesel and TPH-Oil. Both soil samples resulted in non-detectable concentrations of TPH-Diesel and TPH-Oil. It should be noted that a heating oil UST was not found in the area of the former residence on the Vacant House parcel during the Limited Phase II Investigation.

Hand Boring Soil Results

In addition, ADaPT Engineering personnel collected four soil samples from hand borings on the Property to conduct additional soil screening at the 6th and Naval Avenue site. The hand borings were 4 to 4.5 feet below ground surface and the hand-held equipment was decontaminated with Alconox and distilled water before each use. The hand borings were located in the following areas:

HB-1 – Adjacent to heating oil UST on Blue House property

HB-2 – South of Pour House Tavern

HB-3 – Adjacent to heating oil UST on Yellow House property

HB-4 – South of WA State Liquor Store in landscaping area

The hand boring soil sample HB-4 was not submitted for analysis because there was no indication of petroleum contamination from field screening at sampling location SB-4. There was also no indication of petroleum contamination at the other three hand boring sample locations, but they were submitted to the laboratory as confirmation samples to determine the absence of TPH in the soil in this area of the Property. The hand boring soil samples from HB-1, HB-2 and HB-3 resulted in non-detectable concentrations of TPH-Gasoline/BTEX, TPH-Diesel and TPH-Oil.

The Limited Phase II investigation results reveal concentrations of TPH-Diesel above Ecology's MTCA Method A Soil Cleanup Level in the area of the King's Pavilion Restaurant heating oil UST. Concentrations of TPH-Oil exceed Ecology's MTCA Method A Soil Cleanup Level in the area of the former Pour House Tavern UST and an unknown structure in the Pour House Tavern northern parking area. (The use of Ecology's Interim TPH Policy will most likely result in a higher soil cleanup level for the TPH found at the 6th and Naval Avenue site.)

7.0 CONCLUSIONS

Kane Environmental has conducted a Phase I ESA for the properties located within the city block bordered by Naval and Roosevelt Avenues and 6th and 7th Streets (Property) in Bremerton, Washington. The ESA was performed in accordance with the ASTM E 1527-00 guidance document, *Standard Practice for Environmental Property Assessments: Phase I Environmental Property Assessment Process*. A Limited Phase II Investigation was performed to determine if potential recognized environmental concerns were present on the Property. The Limited Phase II Investigation was completed in the current standard practice of the industry.

Based on the findings of the Phase I ESA and the results of the Limited Phase II Investigation, this assessment has revealed evidence of recognized environmental conditions in connection with the Property:

- Groundwater was not encountered to a depth of 21 feet below ground surface during the Limited Phase II Investigation drilling activity.
- The Limited Phase II investigation results reveal concentrations of TPH-Diesel above Ecology's MTCA Method A Soil Cleanup Level in the area of the King's Pavilion Restaurant heating oil UST. This UST and TPH-contaminated soil will be removed during the UST removal activity scheduled during the Summer 2001.
- Concentrations of TPH-Oil above Ecology's MTCA Method A Soil Cleanup Level in the area of the former Pour House Tavern heating oil UST and an unknown 2 ft by 2 ft underground structure, which may be an small underground sump, in the Pour House Tavern northern parking area.
- Mr. Cates noted that there may have been a sub-grade maintenance pit that was covered when the auto dealership activity ended. The mechanics would have worked beneath the automobiles while standing in the sub-grade pit. Mr. Cates could not confirm that the sub-grade pit existed inside the building. Kane Environmental did not observe any indication inside the building of a sub-grade maintenance pit.
- It should be noted that a heating oil UST was not found for the former residence on the Vacant House parcel during the Limited Phase II Investigation. It is possible that the heating oil UST is still present in that portion of the Property, and that additional unknown heating oil USTs may also be present. Kane Environmental recommends establishing a development cost contingency for potential unknown heating oil USTs that could be present on the Property.
- Kane Environmental recommends using Ecology's Interim TPH Policy for contaminated soil removal associated with the UST's at the Property. Kane Environmental will contact Ecology to inform them of the release of the TPH in the soil at the 6th and Naval Avenue site and also inform Ecology that the Interim TPH Policy will be used at the property.



Kane Enviromental, Inc.

2415 7th Avenue West
Seattle, Washington 98119

Ph : 206.691.0476 Fax : 206.691.0479

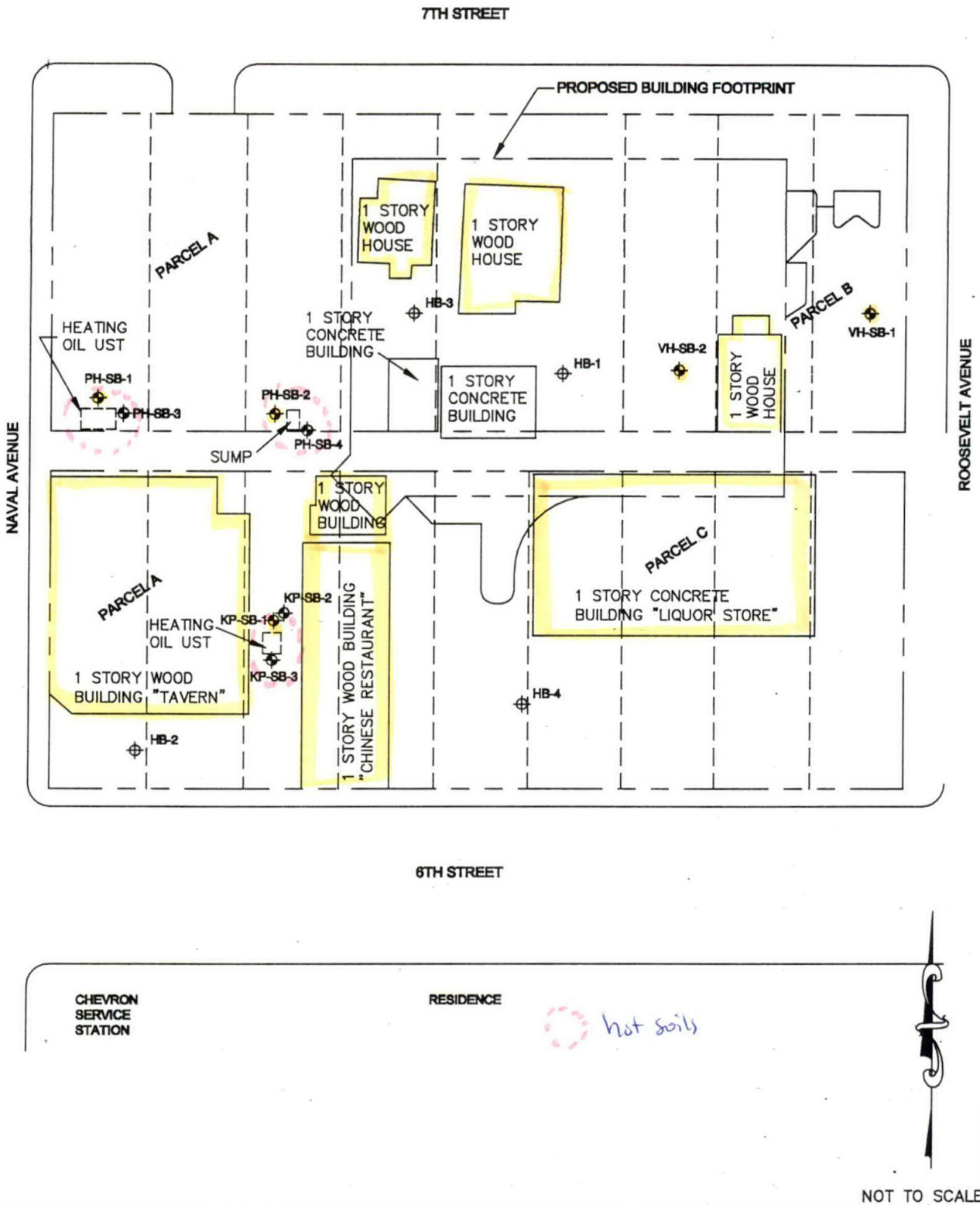
FIGURE 1 - Location/Topographic Map

Location : Proposed Retail Store
6th Street & Naval Avenue
Bremerton, Washington

Client :

Date : 02/01/01

Job # : 1015



Kane Environmental, Inc.

2415 7th Avenue West
 Seattle, Washington 98119
 Ph : 206.691.0476 Fax : 206.691.0479

FIGURE 2 - Site Plan

Location: Proposed Retail Store
 6th Street & Naval Avenue
 Bremerton, Washington

Client:
Date:

Job #: 1015

Table 1
6th Naval Property
Soil Sample Results (ppm)
December 15, 2000

	Pour House Tavern				Kings Pavilion Restaurant				Vacant House		MTCA Method A Soil Cleanup Level
	PH-SB-1	PH-SB-2	PH-SB-2	PH-SB-2	KP-SB-1	KP-SB-1	KP-SB-1	KP-SB-1	VH-SB-1	VH-SB-2	
Sample Depth	16 ft	10 ft	12 ft	16 ft	5-6 ft	10 ft	12 ft	16 ft	12 ft	8 ft	
Total Petroleum Hydrocarbons											
Gasoline					nd	nd	nd	nd			100
Diesel	nd	nd	nd	nd	7,700	7,200	2,500	nd	nd	nd	200
Heavy Oil	380	520	720	nd	nd	nd	nd	nd	nd	nd	200
MTBE/BTEX/HVOCs											
MTBE	--	--	--	--	--	--	--	--	--	--	nv
Benzene	--	--	--	--	--	--	nd	nd	--	--	0.5
Toluene	--	--	--	--	--	--	nd	nd	--	--	40
Ethylbenzene	--	--	--	--	--	--	nd	nd	--	--	20
Total Xylenes	--	--	--	--	--	--	nd	nd	--	--	20
HVOCs	--	--	--	--	--	--	--	nd	--	--	
RCRA 8 Metals						--					
Arsenic	--	--	--	--	--	nd	--	--	--	--	20
Barium	--	--	--	--	--	nd	--	--	--	--	5,600*
Cadmium	--	--	--	--	--	nd	--	--	--	--	2.0
Chromium	--	--	--	--	--	nd	--	--	--	--	100
Lead	--	--	--	--	--	13	--	--	--	--	250
Mercury	--	--	--	--	--	nd	--	--	--	--	1.0
Selenium	--	--	--	--	--	nd	--	--	--	--	400*
Silver	--	--	--	--	--	nd	--	--	--	--	400*
PAHS											
Anthracene	--	--	--	--	--	--	--	--	--	--	24,000*
Benzo(a)anthracene	--	--	--	--	--	--	--	--	--	--	0.137*
Benze(a)pyrene	--	--	--	--	--	--	--	--	--	--	0.137*
Fluorene	--	--	--	--	--	--	--	--	--	--	3,200*
Fluoranthene	--	--	--	--	--	--	--	--	--	--	3,200*
Naphthalene	--	--	--	--	--	--	--	--	--	--	3,200*
Phenanthrene	--	--	--	--	--	--	--	--	--	--	nv
Ethylene Glycol	--	--	--	--	--	--	--	--	--	--	160,000*

TPH = Total Petroleum Hydrocarbons

bold = concentration above the MTCA Method A or B* Soil Cleanup Level

nd = not detected nd/nd = sample/sample duplicate not detected

nv = no current MTCA cleanup level

-- = not analyzed

MTBE = Methyl Tert Butyl Ether, no current soil cleanup value

HVOCs = Halogenated and Aromatic Hydrocarbons by EPA Method 8021B

MTCA = Washington Department of Ecology Model Toxics Control Act

ppm = parts per million

Table 2
6th Naval Property
Soil Sample Results (ppm)
March 8, 2001
Bremerton, WA

	Pour House Tavern				King Pavilion Restaurant				MTCA
	PH-SB-3	PH-SB-3	PH-SB-4	PH-SB-4	KP-SB-2	KP-SB-2	KP-SB-3	KP-SB-3	Method A
Sample Depth	9-10 ft	19-20 ft	5-6 ft	20-21 ft	5-6 ft	18-20 ft	5-6 ft	16 ft	Soil Cleanup Level
Total Petroleum Hydrocarbons									
Gasoline	nd	nd	nd	nd	nd	nd	nd	nd	100
Diesel	nd	nd	nd	nd	6,900	nd	nd	nd	200
Heavy Oil	nd	nd	nd	nd	nd	nd	nd	nd	200
MTBE/BTEX/HVOCs									
MTBE	--	--	--	--	--	--	--	--	nv
Benzene	nd	nd	nd	nd	nd	nd	nd	nd	0.5
Toluene	nd	nd	nd	nd	nd	nd	nd	nd	40
Ethylbenzene	nd	nd	nd	nd	nd	nd	nd	nd	20
Total Xylenes	nd	nd	nd	nd	nd	nd	nd	nd	20
HVOCs	--	--	--	--	nd	--	nd	--	
RCRA 8 Metals						--			
Arsenic	nd	nd	nd	nd	nd	nd	nd	nd	20
Barium	nd	nd	nd	nd	nd	nd	nd	nd	5,600*
Cadmium	nd	nd	nd	nd	nd	nd	nd	nd	2.0
Chromium	nd	74	nd	78	nd	52	nd	nd	100
Lead	nd	nd	nd	nd	nd	nd	nd	nd	250
Mercury	nd	nd	nd	nd	nd	nd	nd	nd	1.0
Selenium	nd	nd	nd	nd	nd	nd	nd	nd	400*
Silver	nd	nd	nd	nd	nd	nd	nd	nd	400*
PAHS									
Anthracene	--	--	--	--	5.8	--	--	--	24,000*
Benzo(a)anthracene	--	--	--	--	nd	--	--	--	0.137*
Benze(a)pyrene	--	--	--	--	nd	--	--	--	0.137*
Fluorene	--	--	--	--	3.9	--	--	--	3,200*
Fluoranthene	--	--	--	--	1.5	--	--	--	3,200*
Naphthalene	--	--	--	--	5.4	--	--	--	3,200*
Phenanthrene	--	--	--	--	13	--	--	--	nv
Ethylene Glycol	--	--	--	--	nd	--	--	--	160,000*

TPH = Total Petroleum Hydrocarbons

bold = concentration above the MTCA Method A or B* Soil Cleanup Level

nd = not detected nd/nd = sample/sample duplicate not detected

nv = no current MTCA cleanup level

-- = not analyzed

MTBE = Methyl Tert Butyl Ether, no current soil cleanup value

HVOCs = Halogenated and Aromatic Hydrocarbons by EPA Method 8021B

MTCA = Washington Department of Ecology Model Toxics Control Act

ppm = parts per million

Attachment A
EDR Report



The EDR-Radius Map with GeoCheck®

Naval Avenue/6th Street
Naval Avenue/6th Street
Bremerton, WA 98337

Inquiry Number: 573932.3s

December 12, 2000

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

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EXECUTIVE SUMMARY

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

NAVAL AVENUE/6TH STREET
BREMERTON, WA 98337

COORDINATES

Latitude (North): 47.567900 - 47° 34' 4.4"
Longitude (West): 122.644300 - 122° 38' 39.5"
Universal Transverse Mercator: Zone 10
UTM X (Meters): 526755.2
UTM Y (Meters): 5268118.5

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property: 2447122-E6 BREMERTON WEST, 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

CERC-NFRAP..... Comprehensive Environmental Response, Compensation, and Liability Information System
RCRIS-TSD..... Resource Conservation and Recovery Information System
RCRIS-LQG..... Resource Conservation and Recovery Information System
ERNS..... Emergency Response Notification System

STATE ASTM STANDARD

SWF/LF..... Solid Waste Facility Database

FEDERAL ASTM SUPPLEMENTAL

CONSENT..... CONSENT
Delisted NPL..... NPL Deletions
FINDS..... Facility Index System/Facility Identification Initiative Program Summary Report
HMIRS..... Hazardous Materials Information Reporting System
MLTS..... Material Licensing Tracking System

EXECUTIVE SUMMARY

MINES..... Mines Master Index File
NPL Lien..... NPL Liens
PADS..... PCB Activity Database System
RAATS..... RCRA Administrative Action Tracking System
TRIS..... Toxic Chemical Release Inventory System
TSCA..... Toxic Substances Control Act

STATE OR LOCAL ASTM SUPPLEMENTAL

Air Emissions..... Wa Air Emissions (EMI)

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

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 06/13/2000 has revealed that there is 1 NPL site within approximately 1.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>USN PSNS BREMERTON</i>	<i>1400 FARRAGUT AVE CODE</i>	<i>1/2 - 1 SSE</i>	<i>41</i>	<i>34</i>

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

A review of the CERCLIS list, as provided by EDR, and dated 04/16/2000 has revealed that there is 1 CERCLIS site within approximately 0.75 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>USN PSNS BREMERTON</i>	<i>1400 FARRAGUT AVE CODE</i>	<i>1/2 - 1 SSE</i>	<i>41</i>	<i>34</i>

EXECUTIVE SUMMARY

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 04/20/2000 has revealed that there is 1 CORRACTS site within approximately 1.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
USN PSNS BREMERTON	1400 FARRAGUT AVE CODE	1/2 - 1 SSE	41	34

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 17 RCRIS-SQG 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>
ARCO 5810 PSI 5229	2101 W 6TH ST	0 - 1/8 SW	A2	6
BREMERTON CHRYSLER PLYMOUTH DO	2320 6TH ST	1/8 - 1/4 W	B6	10
MONTONEYS AUTO ELEC	2332 6TH ST	1/8 - 1/4 W	B7	11
MIDTOWN BP	1546 6TH ST	1/4 - 1/2 E	C10	12
CLIFFORDS AUTOBODY REBUILD	327 N MONTGOMERY	1/4 - 1/2 WSW	D14	14
BREMERTON AUTO BODY	2613 BURWELL ST	1/4 - 1/2 WSW	D15	15
ELDONS 1 HR CLEANERS	633 CALLOW AVE N	1/4 - 1/2 W	E16	15
ALL TUNE & LUBE BREMERTON	601 CALLOW AVE N	1/4 - 1/2 W	E17	15
RAINBOW AUTOBODY & PAINTING	2801 9TH ST	1/4 - 1/2 WNW	H22	18
OAK TREE FURNITURE	1107 CALLOW AVE	1/4 - 1/2 WNW	I26	21
KITSAP PUBLIC SVCS INC DBA CHI	920 N WYCOFF	1/4 - 1/2 WNW	H27	21
MIKES AUTO REPAIR	934 N WYCOFF	1/4 - 1/2 WNW	H28	21
U HAUL CO OF BREMERTON	2804 KITSAP WAY	1/4 - 1/2 W	J30	22
RALLY AUTO BODY DBA CAMMS AUTO	905 MEAD AVE	1/4 - 1/2 WNW	H31	23
RAINBOW AUTOBODY & PAINTING ME	907 MEAD AVE	1/4 - 1/2 WNW	H32	23

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
BREMERTON SCHOOL DIST FREEDOM	1318 HIGH AVE	1/4 - 1/2 NNE	F23	19
AMERICAN MARINE INDUSTRIES	1500 THOMPSON DR	1/4 - 1/2 NNE	33	23

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 are 13 CSCSL sites within approximately 1.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
WARD RADIATOR	407 NAVAL AV	0 - 1/8 SSW	5	9
BREMERTON SCHOOL DIST HADDON	LAFAYETTE AVE / W 15T	1/2 - 1 NW	M42	47

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
LAMBERTS RADIATOR SHOP	3338 KITSAP WY	1/2 - 1 WNW	45	49
CONSTITUTION AV LANDFILL	CONSTITUTION AVE / PO	1 - 2 SW	59	77

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
PACIFIC COAST ENERGY BREMERTON	1702 PENNSYLVANIA AV	1/2 - 1 NNE	K35	24
OLD BREMERTON GASWORKS & SESKO	1725 PENNSYLVANIA AV	1/2 - 1 NNE	K37	30
PEDERSON OIL SITE FORMER	2100 19TH ST	1/2 - 1 N	49	55
EVERGREEN PARK BREMERTON	14TH ST / SHELDON BLVD	1/2 - 1 ENE	53	59
BREM-AIR DISPOSAL, INC.	512 SHELDON BLVD	1/2 - 1 ENE	O54	61
BREM AIR DISPOSAL INC	512 SHELDON BLVD	1/2 - 1 ENE	O55	62
LOFTHUS BULK PLANT	510 SHELDON BLVD	1/2 - 1 ENE	O56	65
USN PSNS	1ST ST	1/2 - 1 ESE	57	68
CHEVRON TANK FARM PORT WA NAR	1310 HIGHLAND AVE	1/2 - 1 ENE	58	75

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 06/15/2000 has revealed that there are 13 LUST sites within approximately 0.75 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
NEWMAN'S CHEVRON	2021 6TH ST	0 - 1/8 SE	1	5
ARCO #5810 / PSI #5229	2101 W 6TH AVE	0 - 1/8 SW	A3	7
BUDGET RENT A CAR/CLOSED	2101 W 6TH STREET	0 - 1/8 SW	A4	8
RALPH NICHOLAS GARGUILE	1534 6TH ST	1/4 - 1/2 E	C9	11
KITSAP TRANSIT BREMERTON	234 S WYCOFF AVE	1/2 - 1 SW	36	26
LLOYD ANDERSON BANNER CAR WASH	1111 WILBERT AVENUE	1/2 - 1 WNW	L38	33

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
COCA COLA	1600 12TH STREET	1/4 - 1/2 NE	G20	17
KITSAP AUTO PARTS	330 S CALLOW	1/2 - 1 SSW	40	34
PORT BLAKELY FOODS	844 SIXTH	1/2 - 1 E	44	48
P & R QUICKSTOP	2700 FARRAGUT	1/2 - 1 SSW	N47	51
BREMERTON SERVICE CENTER	840 10TH ST	1/2 - 1 ENE	48	54
DARIGOLD INC.	811 PARK AVE	1/2 - 1 E	50	57
PUMP STATION CW-1	2304 19TH AVE	1/2 - 1 N	51	58

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 10/10/2000 has revealed that there are 13 UST 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>
NEWMAN'S CHEVRON	2021 6TH ST	0 - 1/8 SE	1	5
ARCO #5810 / PSI #5229	2101 W 6TH AVE	0 - 1/8 SW	A3	7
BUDGET RENT A CAR/CLOSED	2101 W 6TH STREET	0 - 1/8 SW	A4	8
BREMERTON CHRYSLER PLYMOUTH DO	2320 6TH ST	1/8 - 1/4 W	B6	10

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
RALPH NICHOLAS GARGUILE	1534 6TH ST	1/4 - 1/2 E	C9	11
DEAN STRALEY'S BREMERTON TEXAC	2550 BURWELL	1/4 - 1/2 WSW	D12	13
M C BLUMBERG	1502 6TH ST	1/4 - 1/2 E	C13	14
PHILLIPS 66 COMPANY SS#070662	902 N CALLOW	1/4 - 1/2 WNW	18	16
ROBERT P. BUEHLER	1104 N CALLOW	1/4 - 1/2 WNW	I25	20
U-HAUL OF BREMERTON 701-85	2804 KITSAP WAY	1/4 - 1/2 W	J29	22
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
AUTO SHOP LOCATION	13TH AND SIDNEY	1/4 - 1/2 NNE	F19	17
COCA COLA	1600 12TH STREET	1/4 - 1/2 NE	G20	17
FREEDOM MIDDLE SCHOOL	1318 HIGH ST.	1/4 - 1/2 NNE	F24	19

FEDERAL ASTM SUPPLEMENTAL

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

A review of the ROD list, as provided by EDR, has revealed that there is 1 ROD site within approximately 1.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
USN PSNS BREMERTON	1400 FARRAGUT AVE CODE	1/2 - 1 SSE	41	34

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 11 WA ICR sites within approximately 0.75 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
ARCO 5810 PSI 5229	2101 W 6TH ST	0 - 1/8 SW	A2	6
PUGET POWER - HEWITT SUBSTATIO	11TH ST. / HEWITT AVE	1/4 - 1/2 NNE	8	11
BP	1546 6TH ST.	1/4 - 1/2 E	C11	13
KITSAP TRANSIT BREMERTON	234 S WYCOFF AVE	1/2 - 1 SW	36	26
BANNER CAR WASH	1111 WILBERT AVE.	1/2 - 1 WNW	L39	33
BREMERTON SCHOOL DISTRICT - HA	LAFAYETTE AVE. / W. 1	1/2 - 1 NW	M43	48
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
COCA COLA PLANT (FORMER)	1600 12TH ST.	1/4 - 1/2 NE	G21	18
TOSCO BULK PLANT/PACIFIC COAST	1702 PENNSYLVANIA AVE.	1/2 - 1 NNE	K34	24
P & R QUICK STOP	2700 FARRAGUT	1/2 - 1 SSW	N46	51
DARIGOLD INC.	811 PARK AVE	1/2 - 1 E	50	57
PARK AVENUE CLEANERS	808 BURWELL ST.	1/2 - 1 ESE	52	59

EXECUTIVE SUMMARY

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

Site Name

FUDS PSN AMMO DEPOT
USN PSNS OU NSC
USN JACKSON PARK OU 1
USN PSNS OUA
USN JACKSON PARK
USNAVY DRMO YARD BREMERTON SHIPYAR
NAVAL STATION BREMERTON
NAVAL STATIONS BREMERTON
PUGET SOUND NAVAL SHIPYARD
H M I
WEST HILLS HONDA
BAYVIEW SUBARU
USN PSNS MCKEAN WATERFRONT PARK
USN PSNS 1ST LT DIV CODE 8112
USN NAVAL HOSPITAL BREMERTON
USNAVY JACKSON PARK NAVAL HOUSING
ARCO RESIDENTIAL CLEANUP
KITSAP COUNTY ROAD SHOP - CENTRAL
US NAVY JACKSON PARK MINI MART
LAND TITLE BUILDING PARKING LOT/FO
PUGET POWER SUBSTATION
NAVY EXCHANGE SERVICE STATION, BLD
WYMER PROPERTY
UNION AVENUE GRAVEL PIT
BREMERTON TRANSPORTATION (FOUR REP
US POSTAL SERVICE WYCKOFF
PUGET POWER - WYCKOFF SUBSTATION

Database(s)

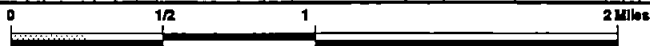
CSCSL
CSCSL
CSCSL
CSCSL
CSCSL
CERCLIS
UST, LUST
LUST, UST
UST
UST
RCRIS-SQG, FINDS
RCRIS-SQG, FINDS
RCRIS-SQG, FINDS
RCRIS-SQG, FINDS
FINDS, RCRIS-LQG
FINDS, RCRIS-LQG
WA ICR
WA ICR
WA ICR
WA ICR
WA ICR
WA ICR
WA ICR
WA ICR
WA ICR
WA ICR
WA ICR

OVERVIEW MAP - 573932.3s - Kane Environmental 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

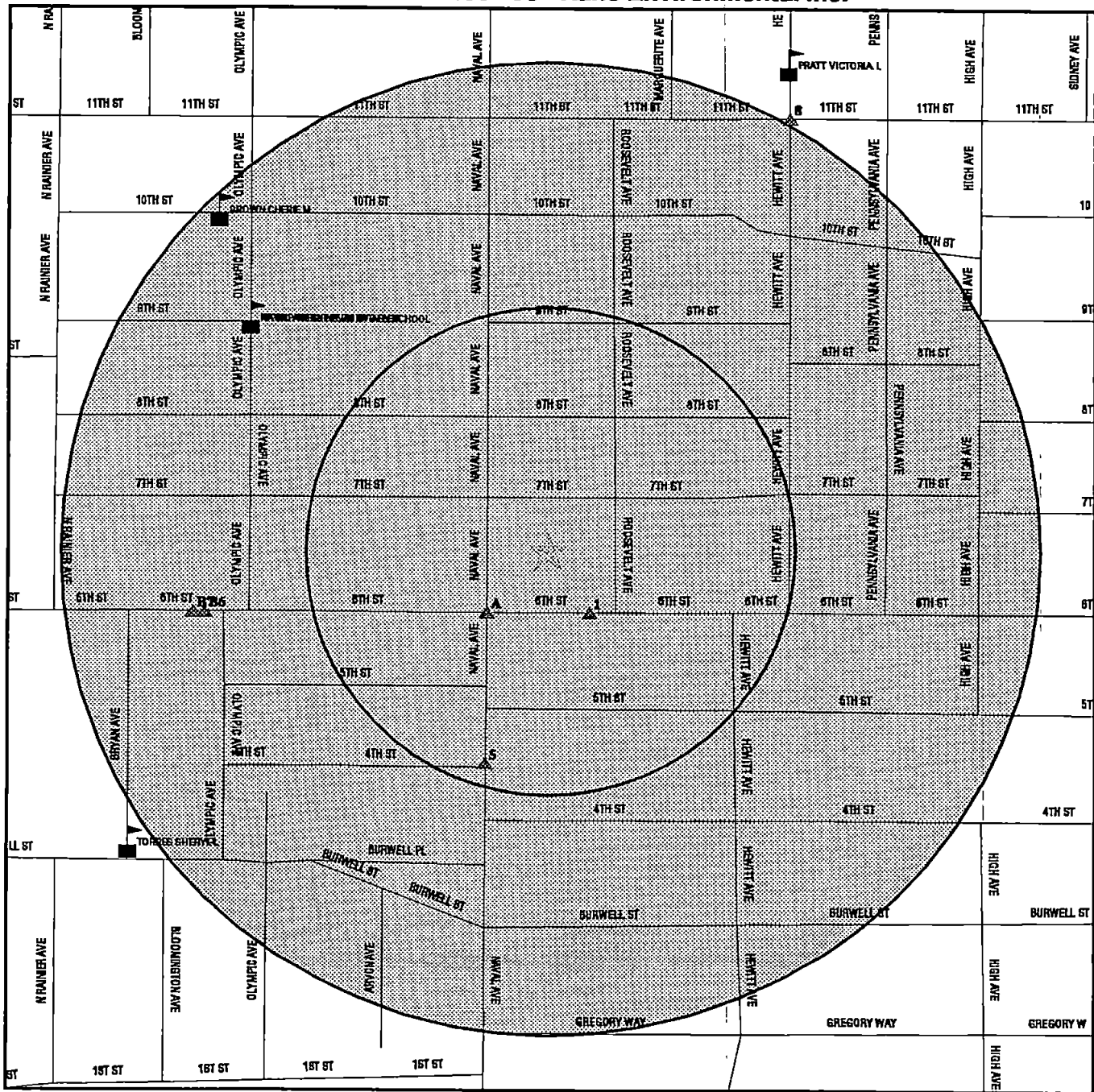
- ~ Power transmission lines
- ~ Oil & Gas pipelines
- ▨ 100-year flood zone
- ▩ 500-year flood zone
- ▩ Wetlands per National Wetlands Inventory



TARGET PROPERTY: Naval Avenue/6th Street
ADDRESS: Naval Avenue/6th Street
CITY/STATE/ZIP: Bremerton WA 98337
LAT/LONG: 47.5679 / 122.6443

CUSTOMER: Kane Environmental Inc.
CONTACT: John Kane
INQUIRY #: 573932.3s
DATE: December 12, 2000 7:17 pm

DETAIL MAP - 573932.3s - Kane Environmental 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



<p>TARGET PROPERTY: Naval Avenue/6th Street ADDRESS: Naval Avenue/6th Street CITY/STATE/ZIP: Bremerton WA 98337 LAT/LONG: 47.5679 / 122.6443</p>	<p>CUSTOMER: Kane Environmental Inc. CONTACT: John Kane INQUIRY #: 573932.3s DATE: December 12, 2000 7:18 pm</p>
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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		1.250	0	0	0	1	0	1
CERCLIS		0.750	0	0	0	1	NR	1
CERC-NFRAP		0.500	0	0	0	NR	NR	0
CORRACTS		1.250	0	0	0	1	0	1
RCRIS-TSD		0.750	0	0	0	0	NR	0
RCRIS Lg. Quan. Gen.		0.500	0	0	0	NR	NR	0
RCRIS Sm. Quan. Gen.		0.500	1	2	14	NR	NR	17
ERNS	TP		NR	NR	NR	NR	NR	0
<u>STATE ASTM STANDARD</u>								
CSCSL		1.250	1	0	0	11	1	13
State Landfill		0.750	0	0	0	0	NR	0
LUST		0.750	3	0	2	8	NR	13
UST		0.500	3	1	9	NR	NR	13
<u>FEDERAL ASTM SUPPLEMENTAL</u>								
CONSENT		1.250	0	0	0	0	0	0
ROD		1.250	0	0	0	1	0	1
Delisted NPL		1.250	0	0	0	0	0	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		0.500	0	0	0	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
<u>STATE OR LOCAL ASTM SUPPLEMENTAL</u>								
WA ICR		0.750	1	0	3	7	NR	11
Wa Air Emissions (EMI)	TP		NR	NR	NR	NR	NR	0
<u>EDR PROPRIETARY DATABASES</u>								
Coal Gas		1.250	0	0	0	0	0	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

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIROHAZ database.

1
SE
< 1/8
200
Higher

NEWMAN'S CHEVRON
2021 6TH ST
BREMERTON, WA 98310

UST
LUST
U001125237
N/A

LUST:

Facility ID: 7972
Release ID: 2907
Release Status: CLEANUP STARTED
Alternate Name: TEXACO - NEWMAN
Affected Media: SOIL

Ecology Region: North Western
Release Date: 8/9/1990 0:00
Status Date: 6/1/1995 0:00

UST:

Facility ID: 7972
Install Date: 12/31/1964 0:00
Capacity: Not reported
Status: REMOVED
Tank Name: 1R
Tank Material: Not reported
Substance: LEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 7972
Install Date: 12/31/1964 0:00
Capacity: Not reported
Status: REMOVED
Tank Name: 2R
Tank Material: Not reported
Substance: LEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 7972
Install Date: 12/31/1964 0:00
Capacity: Not reported
Status: Removed
Tank Name: 3UL
Tank Material: Steel-Unprotected
Substance: UNLEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 7972
Install Date: 12/31/1964 0:00
Capacity: Not reported
Status: Removed
Tank Name: 4UL
Tank Material: Steel-Unprotected
Substance: UNLEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

NEWMAN'S CHEVRON (Continued)

U001125237

Facility ID: 7972
Install Date: 12/31/1964 0:00
Capacity: Not reported
Status: Removed
Tank Name: 5SUL
Tank Material: Steel-Unprotected
Substance: UNLEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 7972
Install Date: 10/30/1990 0:00
Capacity: 5,000 TO 9,999 GALLONS
Status: Operational
Tank Name: 1
Tank Material: Coated Steel
Substance: LEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 7972
Install Date: 10/30/1990 0:00
Capacity: 5,000 TO 9,999 GALLONS
Status: Operational
Tank Name: 2
Tank Material: Coated Steel
Substance: LEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 7972
Install Date: 10/30/1990 0:00
Capacity: 5,000 TO 9,999 GALLONS
Status: Operational
Tank Name: 3
Tank Material: Coated Steel
Substance: LEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

A2
SW
< 1/8
234
Higher

ARCO 5810 PSI 5229
2101 W 6TH ST
BREMERTON, WA 98312

RCRIS-SQG 1000838919
FINDS WAD988517264
WA ICR

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

ARCO 5810 PSI 5229 (Continued)

1000838919

RCRIS:

Owner: ARCO 5810 PSI 5229
Contact: DEREK REICHART
 (714) 670-5405

Record Date: 12/31/1998
Classification: Conditionally Exempt Small Quantity Generator
Used Oil Recyc: No
Violation Status: No violations found

WA ICR:

Date Ecology Received Report: 03/20/1997
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: 94-53
County Code: 18

Date Ecology Received Report: 10/15/1996
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: 94-53
County Code: 18

A3
SW
< 1/8
234
Higher

**ARCO #5810 / PSI #5229
2101 W 6TH AVE
BREMERTON, WA 98312**

UST U000804019
LUST N/A

LUST:

Facility ID:	101055	Ecology Region:	North Western
Release ID:	351922	Release Date:	10/4/1995 0:00
Release Status:	CLEANUP STARTED	Status Date:	1/30/1996 09:08:19:7
Alternate Name:	ARCO # 5810		
Affected Media:	SOIL		

UST:

Facility ID: 101055
Install Date: 12/1/1991 0:00
Capacity: 10,000 TO 19,999 GALLONS
Status: OPERATIONAL
Tank Name: 1
Tank Material: FIBERGLASS REINFORCED PLASTIC
Substance: LEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

ARCO #5810 / PSI #5229 (Continued)

EDR ID Number
EPA ID Number

Database(s)

U000804019

Facility ID: 101055
Install Date: 12/1/1991 0:00
Capacity: 10,000 TO 19,999 GALLONS
Status: OPERATIONAL
Tank Name: 2
Tank Material: FIBERGLASS REINFORCED PLASTIC
Substance: UNLEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 101055
Install Date: 12/1/1991 0:00
Capacity: 10,000 TO 19,999 GALLONS
Status: OPERATIONAL
Tank Name: 3
Tank Material: FIBERGLASS REINFORCED PLASTIC
Substance: UNLEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 101055
Install Date: 12/1/1991 0:00
Capacity: 10,000 TO 19,999 GALLONS
Status: OPERATIONAL
Tank Name: 4
Tank Material: FIBERGLASS REINFORCED PLASTIC
Substance: UNLEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

A4
SW
< 1/8
234
Higher

BUDGET RENT A CAR/CLOSED
2101 W 6TH STREET
BREMERTON, WA 98312

UST U003028669
LUST N/A

LUST:

Facility ID: 885 Ecology Region: North Western
Release ID: 2571 Release Date: 7/12/1989 0:00
Release Status: REPORTED CLEANED UP Status Date: 6/1/1995 0:00
Alternate Name: BUDGET RENT A CAR
Affected Media: SOIL

Facility ID: 885 Ecology Region: North Western
Release ID: 2571 Release Date: 7/12/1989 0:00
Release Status: CLEANUP STARTED Status Date: 7/12/1989 0:00
Alternate Name: BUDGET RENT A CAR
Affected Media: SOIL

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)

EDR ID Number
EPA ID Number

BUDGET RENT A CAR/CLOSED (Continued)

U003028669

UST:

Facility ID: 885
Install Date: 12/31/1964 0:00
Capacity: Not reported
Status: REMOVED
Tank Name: 2 UNL
Tank Material: Not reported
Substance: UNLEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 885
Install Date: 12/31/1964 0:00
Capacity: Not reported
Status: Removed
Tank Name: 1 L
Tank Material: Steel-Unprotected
Substance: LEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 885
Install Date: 12/31/1964 0:00
Capacity: 111 to 1,100 Gallons
Status: Removed
Tank Name: 4 F
Tank Material: Steel-Unprotected
Substance: HEATING FUEL
Compartment #: 1
Ecology Region: North Western

Facility ID: 885
Install Date: 12/31/1964 0:00
Capacity: 111 to 1,100 Gallons
Status: Removed
Tank Name: 3 S
Tank Material: Steel-Unprotected
Substance: USED OIL/WASTE OIL
Compartment #: 1
Ecology Region: North Western

5
SSW
< 1/8
598
Higher

**WARD RADIATOR
407 NAVAL AV
BREMERTON, WA 98312**

**CSCSL S100079954
N/A**

SHWS:

Facility ID: 2624
Facility Status: Not reported
Rank: Not reported
Flag: STATE
Responsible Unit: NW
Latitude: 47 33 58
Longitude: 122 38 47
Ecology Site Status relative to the MTCA cleanup process:
Awaiting Site Hazard Assessment (SHA)
Independent Site Status - those sites undergoing an independent cleanup:
Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

WARD RADIATOR (Continued)

S100079954

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

Not reported

Affected Media: Not reported

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:

3

EPA Priority Pollutants - Metals and Cyanide:

Suspected to be present

Metals - Other non-priority pollutant metals:

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

B6
West
1/8-1/4
947
Higher

**BREMERTON CHRYSLER PLYMOUTH DODGE 6TH ST
2320 6TH ST
BREMERTON, WA 98312**

**RCRIS-SQG 1000298497
FINDS WAD040710584
UST**

RCRIS:

Owner: BREMERTON CHRYSLER PLYMOUTH DODGE
(360) 555-1212

Contact: BART COHEN
(360) 479-2100

Record Date: 02/16/1989

Classification: Not reported

Used Oil Recyc: No

Violation Status: No violations found

UST:

Facility ID: 11489
Install Date: 12/31/1964 0:00
Capacity: 111 to 1,100 Gallons
Status: Closed in Place
Tank Name: 1
Tank Material: Not reported
Substance: USED OIL/WASTE OIL
Compartment #: 1
Ecology Region: North Western

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

B7
West
1/8-1/4
977
Higher

MONTONEYS AUTO ELEC
2332 6TH ST
BREMERTON, WA 98312

RCRIS:

Owner: MONTONEYS AUTO ELEC
(360) 479-3007

Contact: WENDY SMITH
(360) 479-3007

Record Date: 12/31/1998

Classification: Conditionally Exempt Small Quantity Generator

Used Oil Recyc: No

Violation Status: No violations found

Database(s)

EDR ID Number
EPA ID Number

RCRIS-SQG
FINDS

1001031638
WAR000003459

8
NNE
1/4-1/2
1335
Higher

PUGET POWER - HEWITT SUBSTATION
11TH ST. / HEWITT AVE.
BREMERTON, WA 98310

WA ICR:

Date Ecology Received Report: 11/13/1996
Contaminants Found at Site: PCB's
Petroleum products
Media Contaminated: Soil
Cause of Contamination: Unknown
Region: North Western
Type of Report Ecology Received: Final cleanup report
Site Register Issue: 94-40
County Code: 18

Date Ecology Received Report: 11/13/1995
Contaminants Found at Site: PCB's
Media Contaminated: Soil
Cause of Contamination: Not reported
Region: North Western
Type of Report Ecology Received: Final cleanup report
Site Register Issue: 94-45
County Code: 18

WA ICR

S103512424
N/A

C9
East
1/4-1/2
1651
Higher

RALPH NICHOLAS GARGUILE
1534 6TH ST
BREMERTON, WA 98310

LUST:

Facility ID: 3101 Ecology Region:
Release ID: 2219 Release Date:
Release Status: CLEANUP STARTED Status Date:
Alternate Name: BP STATION REYNOLDS BREMERTON
Affected Media: SOIL

UST
LUST

U003026462
N/A

North Western
5/3/1991 0:00
6/1/1995 0:00

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

RALPH NICHOLAS GARGUILE (Continued)

U003026462

UST:

Facility ID: 3101
Install Date: 6/1/1973 0:00
Capacity: 5,000 TO 9,999 GALLONS
Status: Operational
Tank Name: 2
Tank Material: Not reported
Substance: LEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 3101
Install Date: 10/1/1962 0:00
Capacity: 111 to 1,100 Gallons
Status: Operational
Tank Name: 5
Tank Material: Not reported
Substance: USED OIL/WASTE OIL
Compartment #: 1
Ecology Region: North Western

Facility ID: 3101
Install Date: 10/1/1962 0:00
Capacity: 5,000 TO 9,999 GALLONS
Status: Operational
Tank Name: 1
Tank Material: Not reported
Substance: UNLEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 3101
Install Date: 10/1/1962 0:00
Capacity: 5,000 TO 9,999 GALLONS
Status: Operational
Tank Name: 3
Tank Material: Not reported
Substance: UNLEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 3101
Install Date: 10/1/1962 0:00
Capacity: 5,000 TO 9,999 GALLONS
Status: Operational
Tank Name: 4
Tank Material: Not reported
Substance: UNLEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

**C10 MIDTOWN BP
East 1546 6TH ST
1/4-1/2 BREMERTON, WA 98310
1651
Higher**

**RCRIS-SQG 1000878319
FINDS WA0000016048**

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MIDTOWN BP (Continued)

1000878319

RCRIS:

Owner: MIDTOWN BP
(360) 555-1212
Contact: BRADLEY WEST
(360) 373-5400
Record Date: 06/20/1994
Classification: Not reported
Used Oil Recyc: No
Violation Status: No violations found

C11
East
1/4-1/2
1651
Higher

BP
1546 6TH ST.
BREMERTON, WA 98310

WA ICR S102649895
N/A

WA ICR:

Date Ecology Received Report: 03/01/1994
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: 93-21
County Code: 18

D12
WSW
1/4-1/2
1699
Higher

DEAN STRALEY'S BREMERTON TEXACO
2550 BURWELL
BREMERTON, WA 98310

UST U003665982
N/A

UST:

Facility ID: 514408
Install Date: 5/28/1999 0:00
Capacity: Not reported
Status: Operational
Tank Name: 3
Tank Material: Fiberglass Reinforced Plastic
Substance: Diesel
Compartment #: 1
Ecology Region: North Western

Facility ID: 514408
Install Date: 5/28/1999 0:00
Capacity: Not reported
Status: Operational
Tank Name: 1
Tank Material: Fiberglass Reinforced Plastic
Substance: Unleaded Gasoline
Compartment #: 1
Ecology Region: North Western

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DEAN STRALEY'S BREMERTON TEXACO (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003665982

Facility ID: 514408
Install Date: 5/28/1999 0:00
Capacity: Not reported
Status: Operational
Tank Name: 2
Tank Material: Fiberglass Reinforced Plastic
Substance: Unleaded Gasoline
Compartment #: 1
Ecology Region: North Western

C13
East
1/4-1/2
1792
Higher

M C BLUMBERG
1502 6TH ST
BREMERTON, WA 98310

UST U000712963
N/A

UST:

Facility ID: 101619
Install Date: 12/31/1964 0:00
Capacity: 111 TO 1,000 GALLONS
Status: REMOVED
Tank Name: 1
Tank Material: Not reported
Substance: USED OIL/WASTE OIL
Compartment #: 1
Ecology Region: North Western

Facility ID: 101619
Install Date: 12/31/1964 0:00
Capacity: 111 TO 1,000 GALLONS
Status: REMOVED
Tank Name: 2
Tank Material: Not reported
Substance: USED OIL/WASTE OIL
Compartment #: 1
Ecology Region: North Western

D14
WSW
1/4-1/2
1794
Higher

CLIFFORDS AUTOBODY REBUILD
327 N MONTGOMERY
BREMERTON, WA 98312

RCRIS-SQG 1001490349
FINDS WAD086836731

RCRIS:

Owner: CLIFFORDS AUTOBODY REBUILD
Contact: SUSAN VAN DUSEN
(360) 373-0888
Record Date: 12/31/1996
Classification: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

	Site	Database(s)	EDR ID Number EPA ID Number
	CLIFFORDS AUTOBODY REBUILD (Continued) Used Oil Recyc: No Violation Status: No violations found		1001490349
D15 WSW 1/4-1/2 1850 Higher	BREMERTON AUTO BODY 2613 BURWELL ST BREMERTON, WA 98312 RCRIS: Owner: BREMERTON AUTO BODY (360) 555-1212 Contact: JACK GROSS (360) 479-0946 Record Date: Not reported Classification: Not reported Used Oil Recyc: No Violation Status: No violations found	RCRIS-SQG FINDS	1000298498 WAD980977375
E16 West 1/4-1/2 1878 Higher	ELDONS 1 HR CLEANERS 633 CALLOW AVE N BREMERTON, WA 98312 RCRIS: Owner: ELDONS 1 HR CLEANERS Contact: N PETERSON (360) 692-2682 Record Date: 12/31/1995 Classification: Not reported Used Oil Recyc: No Violation Status: No violations found	RCRIS-SQG FINDS	1001490594 WAD988477733
E17 West 1/4-1/2 1883 Higher	ALL TUNE & LUBE BREMERTON 601 CALLOW AVE N BREMERTON, WA 98312	RCRIS-SQG FINDS	1001216487 WAR000003707

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

ALL TUNE & LUBE BREMERTON (Continued)

EDR ID Number
EPA ID Number

Database(s)

1001216487

RCRIS:

Owner: ALL TUNE & LUBE BREMERTON

Contact: LARRY CROIX
(360) 377-6643

Record Date: 11/17/1998

Classification: Not reported

Used Oil Recyc: No

Violation Status: No violations found

18
WNW
1/4-1/2
1947
Higher

PHILLIPS 66 COMPANY SS#070662
902 N CALLOW
BREMERTON, WA 98312

UST U003026393
N/A

UST:

Facility ID: 2805
Install Date: 12/31/1964 0:00
Capacity: Not reported
Status: Removed
Tank Name: 287777
Tank Material: Steel-Unprotected
Substance: LEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 2805
Install Date: 12/31/1964 0:00
Capacity: Not reported
Status: Removed
Tank Name: 287782
Tank Material: Steel-Unprotected
Substance: UNLEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 2805
Install Date: 12/31/1964 0:00
Capacity: 111 to 1,100 Gallons
Status: Removed
Tank Name: HEATINGOIL
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

PHILLIPS 66 COMPANY SS#070662 (Continued)

U003026393

Facility ID: 2805
Install Date: 12/31/1964 0:00
Capacity: 111 to 1,100 Gallons
Status: Removed
Tank Name: 287775
Tank Material: Steel-Unprotected
Substance: USED OIL/WASTE OIL
Compartment #: 1
Ecology Region: North Western

F19
NNE
1/4-1/2
2072
Lower

AUTO SHOP LOCATION
13TH AND SIDNEY
BREMERTON, WA 99310

UST U001124948
N/A

UST:

Facility ID: 7369
Install Date: 12/31/1964 0:00
Capacity: Not reported
Status: Closed in Place
Tank Name: 3
Tank Material: Steel-Unprotected
Substance: Not reported
Compartment #: 1
Ecology Region: North Western

Facility ID: 7369
Install Date: 12/31/1964 0:00
Capacity: Not reported
Status: Closed in Place
Tank Name: 4
Tank Material: Steel-Unprotected
Substance: LEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

G20
NE
1/4-1/2
2073
Lower

COCA COLA
1600 12TH STREET
BREMERTON, WA 98310

UST U000711787
LUST N/A

LUST:

Facility ID: 5029 Ecology Region: North Western
Release ID: 482318 Release Date: 3/7/1998 0:00
Release Status: AWAITING CLEANUP Status Date: 12/17/1998 0:00
Alternate Name: COCA COLA PLANT FORMER
Affected Media: SOIL

Facility ID: 5029 Ecology Region: North Western
Release ID: 2429 Release Date: 8/6/1991 0:00
Release Status: REPORTED CLEANED UP Status Date: 6/1/1995 0:00
Alternate Name: COCA COLA BREMERTON
Affected Media: SOIL

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

COCA COLA (Continued)

EDR ID Number
EPA ID Number

Database(s)

U000711787

Facility ID: 5029 Ecology Region: North Western
Release ID: 2429 Release Date: 8/6/1991 0:00
Release Status: CLEANUP STARTED Status Date: 8/6/1991 0:00
Alternate Name: COCA COLA BREMERTON
Affected Media: SOIL

UST:

Facility ID: 5029
Install Date: 12/31/1964 0:00
Capacity: Not reported
Status: Closure in Process
Tank Name: 2
Tank Material: Not reported
Substance: Not reported
Compartment #: 1
Ecology Region: North Western

Facility ID: 5029
Install Date: 12/31/1964 0:00
Capacity: 111 to 1,100 Gallons
Status: REMOVED
Tank Name: 1
Tank Material: Not reported
Substance: LEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

G21
NE
1/4-1/2
2073
Lower

COCA COLA PLANT (FORMER)
1600 12TH ST.
BREMERTON, WA 98310

WA ICR S103504934
N/A

WA ICR:

Date Ecology Received Report: 12/07/1998
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: 98-11
County Code: 18

Date Ecology Received Report: 08/18/1998
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: 98-13
County Code: 18

H22
WNW
1/4-1/2
2210
Higher

RAINBOW AUTOBODY & PAINTING
2801 9TH ST
BREMERTON, WA 98312

RCRIS-SQG 1001490385
FINDS WAD980976724

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

RAINBOW AUTOBODY & PAINTING (Continued)

RCRIS:
Owner: RAINBOW AUTOBODY & PAINTING
Contact: JAMES WHITBY
(360) 373-0758
Record Date: 03/25/1993
Classification: Not reported
Used Oil Recyc: No
Violation Status: No violations found

Database(s)

EDR ID Number
EPA ID Number

1001490385

**F23
NNE
1/4-1/2
2213
Lower**

**BREMERTON SCHOOL DIST FREEDOM MIDDLE SC
1318 HIGH AVE
BREMERTON, WA 98310**

**RCRIS-SQG
FINDS**

**1000298499
WAD980985667**

RCRIS:
Owner: BREMERTON SCHOOL DIST
(360) 555-1212
Contact: FIELD RYAN
(360) 478-5106
Record Date: Not reported
Classification: Not reported
Used Oil Recyc: No
Violation Status: No violations found

**F24
NNE
1/4-1/2
2213
Lower**

**FREEDOM MIDDLE SCHOOL
1318 HIGH ST.
BREMERTON, WA 98310**

**UST U003028393
N/A**

UST:
Facility ID: 8191
Install Date: 12/31/1964 0:00
Capacity: Not reported
Status: Removed
Tank Name: 1
Tank Material: Steel-Unprotected
Substance: Not reported
Compartment #: 1
Ecology Region: North Western

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

FREEDOM MIDDLE SCHOOL (Continued)

U003028393

Facility ID: 8191
Install Date: 12/31/1964 0:00
Capacity: Not reported
Status: Removed
Tank Name: 2
Tank Material: Steel-Unprotected
Substance: UNLEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

I25
WNW
1/4-1/2
2215
Higher

**ROBERT P. BUEHLER
1104 N CALLOW
BREMERTON, WA 98312**

**UST U003026704
N/A**

UST:

Facility ID: 3509
Install Date: 9/4/1974 0:00
Capacity: 1,101 TO 2,000 GALLONS
Status: CLOSURE IN PROCESS
Tank Name: 4
Tank Material: Not reported
Substance: LEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 3509
Install Date: 1/1/1948 0:00
Capacity: 1,101 TO 2,000 GALLONS
Status: CLOSURE IN PROCESS
Tank Name: 1
Tank Material: Not reported
Substance: UNLEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 3509
Install Date: 9/5/1974 0:00
Capacity: 2,001 TO 4,999 GALLONS
Status: CLOSURE IN PROCESS
Tank Name: 2
Tank Material: Not reported
Substance: UNLEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 3509
Install Date: 1/1/1948 0:00
Capacity: 1,101 TO 2,000 GALLONS
Status: CLOSURE IN PROCESS
Tank Name: 3
Tank Material: Not reported
Substance: UNLEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

I26
WNW
1/4-1/2
2219
Higher

OAK TREE FURNITURE
1107 CALLOW AVE
BREMERTON, WA 98312

RCRIS:

Owner: Jon Hall
(360) 555-1212
Contact: MEREDITH EDWARDS
(360) 779-3336
Record Date: 12/31/1998
Classification: Not reported
Used Oil Recyc: No
Violation Status: No violations found

Database(s)

EDR ID Number
EPA ID Number

RCRIS-SQG
FINDS

1001233984
WAH000003905

H27
WNW
1/4-1/2
2226
Higher

KITSAP PUBLIC SVCS INC DBA CHICO TOWING
920 N WYCOFF
BREMERTON, WA 98312

RCRIS:

Owner: Donald Tucker
(360) 479-7500
Contact: GARY HLEBECHUK
(360) 479-7500
Record Date: 12/31/1998
Classification: Conditionally Exempt Small Quantity Generator
Used Oil Recyc: No
Violation Status: No violations found

RCRIS-SQG
FINDS

1000659978
WAD988496584

H28
WNW
1/4-1/2
2239
Higher

MIKES AUTO REPAIR
934 N WYCOFF
BREMERTON, WA 98312

RCRIS:

Owner: MIKES AUTO REPAIR
Contact: MICHAEL CHRISTENSEN
(360) 377-5032
Record Date: 12/31/1999
Classification: Not reported

RCRIS-SQG
FINDS

1000660162
WAD988498432

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

MIKES AUTO REPAIR (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000660162

Used Oil Recyc: No

Violation Status: No violations found

J29
West
1/4-1/2
2291
Higher

U-HAUL OF BREMERTON 701-85
2804 KITSAP WAY
BREMERTON, WA 98312

UST U003027636
N/A

UST:

Facility ID: 6118
Install Date: 7/1/1975 0:00
Capacity: 10,000 TO 19,999 GALLONS
Status: CLOSURE IN PROCESS
Tank Name: 1
Tank Material: Not reported
Substance: DIESEL
Compartment #: 1
Ecology Region: North Western

Facility ID: 6118
Install Date: 7/1/1979 0:00
Capacity: 111 to 1,100 Gallons
Status: CLOSURE IN PROCESS
Tank Name: 3
Tank Material: Not reported
Substance: USED OIL/WASTE OIL
Compartment #: 1
Ecology Region: North Western

Facility ID: 6118
Install Date: 7/1/1979 0:00
Capacity: 10,000 TO 19,999 GALLONS
Status: CLOSURE IN PROCESS
Tank Name: 2
Tank Material: Not reported
Substance: UNLEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

J30
West
1/4-1/2
2291
Higher

U HAUL CO OF BREMERTON
2804 KITSAP WAY
BREMERTON, WA 98312

RCRIS-SQG 1000659809
FINDS WAD988494852

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

U HAUL CO OF BREMERTON (Continued)

RCRIS:

Owner: AMERCO REAL ESTATE CO
(602) 263-6650

Contact: BUZ OLSEN
(360) 737-3923

Record Date: 12/31/1999

Classification: Not reported

Used Oil Recyc: No

Violation Status: No violations found

Database(s)

EDR ID Number
EPA ID Number

1000659809

H31
WNW
1/4-1/2
2344
Higher

**RALLY AUTO BODY DBA CAMMS AUTO
905 MEAD AVE
BREMERTON, WA 98312**

RCRIS-SQG
FINDS

1000293241
WAD980976666

RCRIS:

Owner: RALLY AUTO BODY
(360) 555-1212

Contact: CRAIG CAMM
(360) 373-0137

Record Date: Not reported

Classification: Not reported

Used Oil Recyc: No

Violation Status: No violations found

H32
WNW
1/4-1/2
2345
Higher

**RAINBOW AUTOBODY & PAINTING MEAD AVE
907 MEAD AVE
BREMERTON, WA 98312**

RCRIS-SQG
FINDS

1001490970
WAD988519872

RCRIS:

Owner: James Whitby
(360) 555-1212

Contact: JAMES WHITBY
(360) 373-0758

Record Date: 08/29/1994

Classification: Not reported

Used Oil Recyc: No

Violation Status: No violations found

33
NNE
1/4-1/2
2536
Lower

**AMERICAN MARINE INDUSTRIES
1500 THOMPSON DR
BREMERTON, WA 98337**

RCRIS-SQG
FINDS

1000920687
WA0000712398

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

AMERICAN MARINE INDUSTRIES (Continued)

1000920687

RCRIS:

Owner: AMERICAN MARINE INDUSTRIES
Contact: PAUL MCCONKEY
(360) 377-4457
Record Date: 10/15/1996
Classification: Not reported
Used Oil Recyc: No
Violation Status: No violations found

K34
NNE
1/2-1
3249
Lower

TOSCO BULK PLANT/PACIFIC COAST ENERGY
1702 PENNSYLVANIA AVE.
BREMERTON, WA 98310

WA ICR S104223482
N/A

WA ICR:

Date Ecology Received Report: Not reported
Contaminants Found at Site: Petroleum products
Media Contaminated: Soil
Cause of Contamination: Not reported
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 98-10
County Code: 18

Date Ecology Received Report: 05/27/1999
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Cause of Contamination: Not reported
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 98-19
County Code: 18

Date Ecology Received Report: 01/06/2000
Contaminants Found at Site: Petroleum products
Non-haologenated solvents
Media Contaminated: Soil
Cause of Contamination: Not reported
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 98-22
County Code: 18

K35
NNE
1/2-1
3249
Lower

PACIFIC COAST ENERGY BREMERTON
1702 PENNSYLVANIA AV
BREMERTON, WA 98337

CSCSL S103822561
N/A

SHWS:

Facility ID: 21494125
Facility Status: Not reported
Rank: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

PACIFIC COAST ENERGY BREMERTON (Continued)

S103822561

Flag: STATE
Responsible Unit: NW
Latitude: 47 34 41
Longitude: 122 38 29
Ecology Site Status relative to the MTCA cleanup process:
Independent Remedial Action
Independent Site Status - those sites undergoing an independent cleanup:
Independent Site Assessment of Interim Remedial Action Report received
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Not reported
Affected Media: Not reported
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: Not reported
Metals - Other non-priority pollutant metals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Pesticides: Not reported
Petroleum Products: Confirmed above MTCA cleanup levels
Phenolic Compounds: Not reported
Non-Halogenated Solvents: Confirmed above MTCA cleanup levels
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: 21494125
Facility Status: Not reported
Rank: Not reported
Flag: STATE
Responsible Unit: NW
Latitude: 47 34 41
Longitude: 122 38 29
Ecology Site Status relative to the MTCA cleanup process:
Independent Remedial Action
Independent Site Status - those sites undergoing an independent cleanup:
Independent Site Assessment of Interim Remedial Action Report received
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Not reported
Affected Media: Not reported
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: Not reported
Metals - Other non-priority pollutant metals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Pesticides: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

PACIFIC COAST ENERGY BREMERTON (Continued)

S103822561

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: 21494125
Facility Status: Not reported
Rank: Not reported
Flag: STATE
Responsible Unit: NW
Latitude: 47 34 41
Longitude: 122 38 29

Ecology Site Status relative to the MTCA cleanup process:
Independent Remedial Action

Independent Site Status - those sites undergoing an independent cleanup:
Independent Site Assessment of Interim Remedial Action Report received

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Not reported

Affected Media: Not reported

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: Not reported
Metals - Other non-priority pollutant metals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Pesticides: Not reported
Petroleum Products: Suspected to be present
Phenolic Compounds: Not reported
Non-Halogenated Solvents: Suspected to be present
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

36
SW
1/2-1
3306
Higher

KITSAP TRANSIT BREMERTON
234 S WYCOFF AVE
BREMERTON, WA 98312

RCRIS-SQG 1000376923
FINDS WAD981761372
UST
LUST
WA ICR

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

KITSAP TRANSIT BREMERTON (Continued)

1000376923

RCRIS:

Owner: KITSAP TRANSIT BREMERTON
Contact: GLENN MULKEY
(360) 478-6236
Record Date: 12/31/1999
Classification: Conditionally Exempt Small Quantity Generator
Used Oil Recyc: No
Violation Status: Violations exist
Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 07/10/1997
Priority of Violation: Low
Schedule Date to Achieve Compliance: 08/08/1997
Actual Date Achieved Compliance: 08/22/1997
Enforcement Action: Written Informal
Enforcement Action Date: 07/10/1997
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported

There are 1 violation record(s) reported at this site:

Evaluation
Compliance Evaluation Inspection (CEI)

Area of Violation
Generator-All Requirements

Date of Compliance
08/22/1997

LUST:

Facility ID:	6549	Ecology Region:	North Western
Release ID:	1185	Release Date:	11/4/1988 0:00
Release Status:	REPORTED CLEANED UP	Status Date:	4/6/2000 0:00
Alternate Name:	KITSAP TRANSIT		
Affected Media:	SOIL		
Facility ID:	6549	Ecology Region:	North Western
Release ID:	1185	Release Date:	11/4/1988 0:00
Release Status:	CLEANUP STARTED	Status Date:	6/1/1995 0:00
Alternate Name:	KITSAP TRANSIT		
Affected Media:	SOIL		

WA ICR:

Date Ecology Received Report: 06/10/1993
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: 93-06
County Code: 18

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

KITSAP TRANSIT BREMERTON (Continued)

Database(s) EDR ID Number
EPA ID Number

1000376923

UST:

Facility ID: 6549
Install Date: 4/28/1989 0:00
Capacity: 2,001 TO 4,999 GALLONS
Status: Exempt
Tank Name: 11
Tank Material: Not reported
Substance: Not reported
Compartment #: 1
Ecology Region: North Western

Facility ID: 6549
Install Date: 12/31/1964 0:00
Capacity: Not reported
Status: Closed in Place
Tank Name: 1
Tank Material: Steel-Unprotected
Substance: Not reported
Compartment #: 1
Ecology Region: North Western

Facility ID: 6549
Install Date: 12/31/1964 0:00
Capacity: Not reported
Status: Closed in Place
Tank Name: 2
Tank Material: Steel-Unprotected
Substance: Not reported
Compartment #: 1
Ecology Region: North Western

Facility ID: 6549
Install Date: 12/31/1964 0:00
Capacity: 111 to 1,100 Gallons
Status: Closed in Place
Tank Name: 4
Tank Material: Concrete
Substance: Not reported
Compartment #: 1
Ecology Region: North Western

Facility ID: 6549
Install Date: 4/28/1989 0:00
Capacity: 2,001 TO 4,999 GALLONS
Status: Operational
Tank Name: 12
Tank Material: Not reported
Substance: USED OIL/WASTE OIL
Compartment #: 1
Ecology Region: North Western

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

KITSAP TRANSIT BREMERTON (Continued)

Database(s)
EDR ID Number
EPA ID Number

1000376923

Facility ID: 6549
Install Date: 4/28/1989 0:00
Capacity: 20,000 TO 29,999 GALLONS
Status: Operational
Tank Name: 5
Tank Material: Steel-Unprotected
Substance: DIESEL
Compartment #: 1
Ecology Region: North Western

Facility ID: 6549
Install Date: 4/28/1989 0:00
Capacity: 20,000 TO 29,999 GALLONS
Status: Operational
Tank Name: 6
Tank Material: Steel-Unprotected
Substance: DIESEL
Compartment #: 1
Ecology Region: North Western

Facility ID: 6549
Install Date: 4/28/1989 0:00
Capacity: 20,000 TO 29,999 GALLONS
Status: Operational
Tank Name: 7
Tank Material: Steel-Unprotected
Substance: DIESEL
Compartment #: 1
Ecology Region: North Western

Facility ID: 6549
Install Date: 4/28/1989 0:00
Capacity: 2,001 TO 4,999 GALLONS
Status: Operational
Tank Name: 8
Tank Material: Steel-Unprotected
Substance: MOTOR OIL
Compartment #: 1
Ecology Region: North Western

Facility ID: 6549
Install Date: 12/31/1964 0:00
Capacity: 111 to 1,100 Gallons
Status: Closed in Place
Tank Name: 3
Tank Material: Concrete
Substance: USED OIL/WASTE OIL
Compartment #: 1
Ecology Region: North Western

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

KITSAP TRANSIT BREMERTON (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000376923

Facility ID: 6549
Install Date: 4/28/1989 0:00
Capacity: 1,101 TO 2,000 GALLONS
Status: Operational
Tank Name: 10
Tank Material: Steel-Unprotected
Substance: ANTIFREEZE
Compartment #: 1
Ecology Region: North Western

Facility ID: 6549
Install Date: 4/28/1989 0:00
Capacity: 2,001 TO 4,999 GALLONS
Status: Operational
Tank Name: 9
Tank Material: Steel-Unprotected
Substance: OTHER PETROLEUM SUBSTANCE
Compartment #: 1
Ecology Region: North Western

K37
NNE
1/2-1
3317
Lower

OLD BREMERTON GASWORKS & SESKO PROPERTY
1725 PENNSYLVANIA AV
BREMERTON, WA 98310

CSCSL S101575812
N/A

SHWS:

Facility ID: 2641
Facility Status: RA IN PROGRESS
Rank: 1
Flag: STATE/HSL
Responsible Unit: NW
Latitude: 47 34 39
Longitude: 122 37 54
Ecology Site Status relative to the MTCA cleanup process:
Remedial Action in progress
Independent Site Status - those sites undergoing an independent cleanup:
Not reported
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
1 - Greatest assessed risk to human health and to the environment
Affected Media: Not reported
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:	3
EPA Priority Pollutants - Metals and Cyanide:	Suspected to be present
Metals - Other non-priority pollutant metals:	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):	Confirmed above MTCA cleanup levels
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

MAP FINDINGS

Database(s)

EDR ID Number
EPA ID Number

OLD BREMERTON GASWORKS & SESKO PROPERTY (Continued)

S101575812

Radioactive Wastes: Not reported
Asbestos: Not reported
Conventional Contaminants, Organic: Not reported
Conventional Contaminants, Inorganic: Not reported

Facility ID: 2641
Facility Status: RA IN PROGRESS
Rank: 1
Flag: STATE
Responsible Unit: NW
Latitude: 47 34 39
Longitude: 122 37 54

Ecology Site Status relative to the MTCA cleanup process:
Remedial Action in progress

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

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

Affected Media: Not reported
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: Confirmed above MTCA cleanup levels
Halogenated Organic Compounds: Not reported
Horizontal Collection Method: 3
EPA Priority Pollutants - Metals and Cyanide: Suspected to be present
Metals - Other non-priority pollutant metals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Pesticides: Not reported
Petroleum Products: Suspected to be present
Phenolic Compounds: Confirmed above MTCA cleanup levels
Non-Halogenated Solvents: Not reported
Dioxin: Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Confirmed above MTCA cleanup levels
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: 2641
Facility Status: RA IN PROGRESS
Rank: 1
Flag: STATE
Responsible Unit: NW
Latitude: 47 34 39
Longitude: 122 37 54

Ecology Site Status relative to the MTCA cleanup process:
Remedial Action in progress

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

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

Affected Media: Not reported
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

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

OLD BREMERTON GASWORKS & SESKO PROPERTY (Continued)

S101575812

Base/Neutral/Acid Organics:	Suspected to be present
Halogenated Organic Compounds:	Not reported
Horizontal Collection Method:	3
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant metals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Suspected to be present
Phenolic Compounds:	Suspected to be present
Non-Halogenated Solvents:	Not reported
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Suspected to be present
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: 2641
 Facility Status: RA IN PROGRESS
 Rank: 1
 Flag: STATE
 Responsible Unit: NW
 Latitude: 47 34 39
 Longitude: 122 37 54

Ecology Site Status relative to the MTCA cleanup process:

Remedial Action in progress

Independent Site Status - those sites undergoing an independent cleanup:

Not reported

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

1 - Greatest assessed risk to human health and to the environment

Affected Media: Not reported

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:	Suspected to be present
Halogenated Organic Compounds:	Not reported
Horizontal Collection Method:	3
EPA Priority Pollutants - Metals and Cyanide:	Suspected to be present
Metals - Other non-priority pollutant metals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Suspected to be present
Phenolic Compounds:	Suspected to be present
Non-Halogenated Solvents:	Not reported
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Suspected to be present
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

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

L38 LLOYD ANDERSON BANNER CAR WASH
WNW 1111 WILBERT AVENUE
1/2-1 BREMERTON, WA 98313
3513
Higher

UST U000597790
LUST N/A

LUST:

Facility ID: 100770
Release ID: 360772
Release Status: CLEANUP STARTED
Alternate Name: BANNER CAR WASH
Affected Media: SOIL

Ecology Region: North Western
Release Date: 3/14/1996 0:00
Status Date: 4/1/1995 0:00

UST:

Facility ID: 100770
Install Date: 1/7/1973 0:00
Capacity: Not reported
Status: REMOVED
Tank Name: 1
Tank Material: Not reported
Substance: UNLEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 100770
Install Date: 1/1/1973 0:00
Capacity: 5,000 TO 9,999 GALLONS
Status: REMOVED
Tank Name: 4
Tank Material: Not reported
Substance: DIESEL
Compartment #: 1
Ecology Region: North Western

Facility ID: 100770
Install Date: 1/1/1973 0:00
Capacity: 5,000 TO 9,999 GALLONS
Status: REMOVED
Tank Name: 2
Tank Material: Not reported
Substance: LEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 100770
Install Date: 1/1/1973 0:00
Capacity: 5,000 TO 9,999 GALLONS
Status: REMOVED
Tank Name: 3
Tank Material: Not reported
Substance: UNLEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

L39 BANNER CAR WASH
WNW 1111 WILBERT AVE.
1/2-1 BREMERTON, WA 98313
3513
Higher

WA ICR S103511613
N/A

WA ICR:

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

BANNER CAR WASH (Continued)

S103511613

Date Ecology Received Report: 03/14/1996
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: 94-25
County Code: 18

40
SSW
1/2-1
3514
Lower

KITSAP AUTO PARTS
330 S CALLOW
BREMERTON, WA 98312

LUST S102779741
N/A

LUST:

Facility ID: 200430 Ecology Region: North Western
Release ID: 3841 Release Date: 9/8/1992 0:00
Release Status: CLEANUP STARTED Status Date: 5/21/1995 0:00
Alternate Name: KITSAP AUTO PARTS
Affected Media: SOIL

41
SSE
1/2-1
3627
Lower

USN PSNS BREMERTON
1400 FARRAGUT AVE CODE 106.3
BREMERTON, WA 98314

PADS 1000160355
CERCLIS WA2170023418
FINDS
NPL
RCRIS-LQG
TRIS
CORRACTS
ROD

CERCLIS Classification Data:

Site Incident Category: Not reported
Ownership Status: Not reported

Federal Facility: Not reported
NPL Status: Not reported

CERCLIS Assessment History:

Assessment:	DISCOVERY	Completed:	19790801
Assessment:	PRELIMINARY ASSESSMENT	Completed:	19900731
Assessment:	HRS PACKAGE	Completed:	19930111
Assessment:	PROPOSAL TO NPL	Completed:	19930510
Assessment:	FINAL LISTING ON NPL	Completed:	19940531
Assessment:	FF RI/FS	Completed:	19961213
Assessment:	RECORD OF DECISION	Completed:	19961213
Assessment:	FF RI/FS	Completed:	19970124
Assessment:	RECORD OF DECISION	Completed:	19970124
Assessment:	FF RD	Completed:	19970523
Assessment:	FF RD	Completed:	19971219
Assessment:	FEDERAL INTERAGENCY AGREEMENT	Completed:	19980831
Assessment:	IAG NEGOTIATIONS	Completed:	19980831
Assessment:	FF RA	Completed:	19991201

CERCLIS Site Status:

Not reported

CERCLIS Alias Name(s):

CHEMICAL DISPOSAL PIT
JACKSON PARK LANDFILL
PCB STORAGE-PUGET SOUND NAVAL SHIPYARD
MOORING A
PUGET SOUND NAVAL SHIPYARD COMPLEX

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

USN PSNS BREMERTON (Continued)

1000160355

PUGET SOUND NAVAL SHIPYARD COMPLEX
USNAVY PUGET SOUND NAVAL SHIPYARD COMPLEX
USNAVY PUGET SOUND NAVAL SHIPYARD COMPLEX

CORRACTS Data:

Prioritization: High
Status: RCRA Facility Assessment Completed, Determination of Need for a RCRA Facility Investigation, Referred to a Non-RCRA Authority

NPL:

ID: Not reported
EPA/ID: WA2170023418
Haz. Rank Score: Not reported
Status: Not reported
Rank: Not reported
Group: Not reported
Ownership: Not reported
Permit: Not reported
Site Activities: Not reported
Site Condition: Not reported
Waste Type: Not reported
Waste Form: Not reported
Contaminants: Not reported
Distance to nearest Population: Not reported
Population within a 1 Mile Radius: Not reported
Population within a 2 Mile Radius: Not reported
Population within a 4 Mile Radius: Not reported
Vertical Distance to Aquifer: Not reported
Ground Water Use: Not reported
Distance to nearest Surface Water: Not reported

ROD:

Full-text of USEPA Record of Decision(s) is available from EDR.

RCRIS:

Owner: USN PSNS BREMERTON
Contact: ROBERT CIPRA
(360) 476-6009

Record Date: 12/31/1999

Classification: Large Quantity Generator, Hazardous Waste Transporter

BIENNIAL REPORTS:

Last Biennial Reporting Year: 1997

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D001	3513922.80	D002	8726882.89
D003	1454298.80	D004	659762.00
D005	1174974.00	D006	10806062.92
D007	10110335.72	D008	32318710.01
D009	305645.84	D010	260866.00
D011	1807391.80	D013	293.00
D018	29407.00	D019	8815.00
D020	1.00	D021	4656.00
D022	1299.00	D025	985.00
D026	56.00	D027	285.00
D032	31.00	D035	143280.00
D038	84.00	D039	40187.00
D040	138859.30	D043	1031.00

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

USN PSNS BREMERTON (Continued)

1000160355

F001	3247.00	F002	87895.00
F003	81311.00	F005	45685.00
F006	15264.00	F007	4638.80
F008	492.00	F009	244.80
P022	127.00	P042	215.00
P081	9.00	P099	213.00
P104	87.00	P108	17.00
U002	250.00	U003	127.00
U028	22.00	U031	5.00
U044	1.00	U072	85.00
U080	182.00	U095	1.00
U112	246.00	U123	678.50
U129	2.00	U133	1212.00
U154	650.00	U188	15.00
U205	2.00	U210	5500.00
U213	182.00	U219	14.00
U220	283.00	U226	743.00
U239	564.00	U359	311.00

Used Oil Recyc: No

Violation Status: Violations exist

Regulation Violated:	Not reported
Area of Violation:	TSD-Closure/Post Closure Requirements
Date Violation Determined:	09/16/1986
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	Not reported
Actual Date Achieved Compliance:	09/13/1988

Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	09/16/1986
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	Not reported
Actual Date Achieved Compliance:	09/13/1988

Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	05/26/1987
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	Not reported
Actual Date Achieved Compliance:	06/03/1991

Regulation Violated:	Not reported
Area of Violation:	TSD-Closure/Post Closure Requirements
Date Violation Determined:	05/26/1987
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	Not reported
Actual Date Achieved Compliance:	06/03/1991

Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	05/31/1991
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	09/30/1991
Actual Date Achieved Compliance:	09/30/1991

Enforcement Action:	Written Informal
Enforcement Action Date:	06/28/1985
Proposed Monetary Penalty:	Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

USN PSNS BREMERTON (Continued)

1000160355

Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	05/31/1991
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	09/30/1991
Actual Date Achieved Compliance:	09/30/1991
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	05/31/1991
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	09/30/1991
Actual Date Achieved Compliance:	09/30/1991
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	05/31/1991
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	09/30/1991
Actual Date Achieved Compliance:	09/30/1991
Enforcement Action:	Final Formal 3008(a) Compliance Order
Enforcement Action Date:	06/22/1987
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	05/31/1991
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	09/30/1991
Actual Date Achieved Compliance:	09/30/1991
Enforcement Action:	Final Formal 3008(a) Compliance Order
Enforcement Action Date:	06/22/1987
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	05/31/1991
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	09/30/1991
Actual Date Achieved Compliance:	09/30/1991
Enforcement Action:	Final Formal 3008(a) Compliance Order
Enforcement Action Date:	06/22/1987
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	05/31/1991
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	09/30/1991
Actual Date Achieved Compliance:	09/30/1991
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	05/31/1991

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

USN PSNS BREMERTON (Continued)

1000160355

Priority of Violation:	Low
Schedule Date to Achieve Compliance:	09/30/1991
Actual Date Achieved Compliance:	09/30/1991
Enforcement Action:	Written Informal
Enforcement Action Date:	05/30/1991
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	05/31/1991
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	09/30/1991
Actual Date Achieved Compliance:	09/30/1991
Enforcement Action:	Written Informal
Enforcement Action Date:	05/30/1991
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	05/31/1991
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	09/30/1991
Actual Date Achieved Compliance:	06/03/1991
Enforcement Action:	Written Informal
Enforcement Action Date:	01/17/1990
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	05/31/1991
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	09/30/1991
Actual Date Achieved Compliance:	09/30/1991
Enforcement Action:	Written Informal
Enforcement Action Date:	01/17/1990
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	05/31/1991
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	09/30/1991
Actual Date Achieved Compliance:	09/30/1991
Enforcement Action:	Written Informal
Enforcement Action Date:	05/30/1991
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	05/31/1991
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	09/30/1991

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

USN PSNS BREMERTON (Continued)

1000160355

Actual Date Achieved Compliance: 09/30/1991
Enforcement Action: Written Informal
Enforcement Action Date: 05/30/1991
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: TSD-Other Requirements
Date Violation Determined: 11/20/1989
Priority of Violation: Low
Schedule Date to Achieve Compliance: 02/15/1990
Actual Date Achieved Compliance: 11/21/1989
Enforcement Action: Written Informal
Enforcement Action Date: 01/17/1990
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: TSD-Other Requirements
Date Violation Determined: 11/20/1989
Priority of Violation: Low
Schedule Date to Achieve Compliance: 02/15/1990
Actual Date Achieved Compliance: 11/21/1989
Enforcement Action: Written Informal
Enforcement Action Date: 01/17/1990
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: Generator-Land Ban Requirements
Date Violation Determined: 11/20/1989
Priority of Violation: Low
Schedule Date to Achieve Compliance: 02/15/1990
Actual Date Achieved Compliance: 11/21/1989
Regulation Violated: Not reported
Area of Violation: TSD-Land Ban Requirements
Date Violation Determined: 11/20/1989
Priority of Violation: Low
Schedule Date to Achieve Compliance: 02/15/1990
Actual Date Achieved Compliance: 11/21/1989
Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 09/24/1992
Priority of Violation: Low
Schedule Date to Achieve Compliance: 09/24/1992
Actual Date Achieved Compliance: 09/24/1992
Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 09/24/1992
Priority of Violation: Low
Schedule Date to Achieve Compliance: 09/24/1992
Actual Date Achieved Compliance: 09/24/1992
Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 09/24/1992

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

USN PSNS BREMERTON (Continued)

1000160355

Priority of Violation:	Low
Schedule Date to Achieve Compliance:	09/24/1992
Actual Date Achieved Compliance:	09/27/1992
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	09/24/1992
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	09/24/1992
Actual Date Achieved Compliance:	09/27/1992
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	09/24/1992
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	09/24/1992
Actual Date Achieved Compliance:	09/24/1992
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	03/22/1993
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	03/29/1993
Actual Date Achieved Compliance:	05/10/1994
Enforcement Action:	Final Formal 3008(a) Compliance Order
Enforcement Action Date:	09/29/1992
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	03/23/1993
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	12/29/1992
Actual Date Achieved Compliance:	05/10/1994
Enforcement Action:	Final Formal 3008(a) Compliance Order
Enforcement Action Date:	09/29/1992
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	03/11/1992
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	02/28/1993
Actual Date Achieved Compliance:	05/10/1994
Enforcement Action:	Final Formal 3008(a) Compliance Order
Enforcement Action Date:	09/29/1992
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	03/11/1992
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	12/29/1992
Actual Date Achieved Compliance:	05/10/1994
Enforcement Action:	Final Formal 3008(a) Compliance Order

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)

EDR ID Number
EPA ID Number

USN PSNS BREMERTON (Continued)

1000160355

Enforcement Action Date: 09/29/1992
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: TSD-Other Requirements
Date Violation Determined: 03/11/1992
Priority of Violation: Low
Schedule Date to Achieve Compliance: 12/29/1992
Actual Date Achieved Compliance: 05/10/1994
Enforcement Action: Final Formal 3008(a) Compliance Order
Enforcement Action Date: 09/29/1992
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: TSD-Other Requirements
Date Violation Determined: 03/11/1992
Priority of Violation: Low
Schedule Date to Achieve Compliance: 02/28/1993
Actual Date Achieved Compliance: 05/10/1994
Enforcement Action: Final Formal 3008(a) Compliance Order
Enforcement Action Date: 09/29/1992
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 03/11/1992
Priority of Violation: Low
Schedule Date to Achieve Compliance: 03/29/1993
Actual Date Achieved Compliance: 05/10/1994
Enforcement Action: Final Formal 3008(a) Compliance Order
Enforcement Action Date: 09/29/1992
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: TSD-Other Requirements
Date Violation Determined: 03/11/1992
Priority of Violation: Low
Schedule Date to Achieve Compliance: 02/28/1993
Actual Date Achieved Compliance: 08/13/1992
Enforcement Action: Final Formal 3008(a) Compliance Order
Enforcement Action Date: 09/29/1992
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 03/11/1992
Priority of Violation: Low
Schedule Date to Achieve Compliance: 11/29/1993
Actual Date Achieved Compliance: 05/10/1994
Enforcement Action: Final Formal 3008(a) Compliance Order
Enforcement Action Date: 09/29/1992
Proposed Monetary Penalty: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

USN PSNS BREMERTON (Continued)

1000160355

Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	03/11/1992
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	11/15/1993
Actual Date Achieved Compliance:	05/10/1994
Enforcement Action:	Final Formal 3008(a) Compliance Order
Enforcement Action Date:	09/29/1992
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	06/22/1994
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	Not reported
Actual Date Achieved Compliance:	06/22/1994
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	06/22/1994
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	Not reported
Actual Date Achieved Compliance:	06/22/1994
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	06/22/1994
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	Not reported
Actual Date Achieved Compliance:	06/22/1994
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	06/22/1994
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	Not reported
Actual Date Achieved Compliance:	06/22/1994
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	06/22/1994
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	Not reported
Actual Date Achieved Compliance:	06/22/1994
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	06/22/1994
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	Not reported
Actual Date Achieved Compliance:	06/22/1994
Regulation Violated:	Not reported
Area of Violation:	Formal Enforcement Agreement
Date Violation Determined:	06/22/1994
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	Not reported
Actual Date Achieved Compliance:	06/22/1994

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

USN PSNS BREMERTON (Continued)

1000160355

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 06/05/1997
Priority of Violation: Low
Schedule Date to Achieve Compliance: 11/11/1997
Actual Date Achieved Compliance: 04/28/1998

Enforcement Action: Final Formal 3008(a) Compliance Order
Enforcement Action Date: 06/05/1997
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: \$ 30,000.00

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 06/05/1997
Priority of Violation: Low
Schedule Date to Achieve Compliance: 11/11/1997
Actual Date Achieved Compliance: 04/28/1998

Enforcement Action: Final Formal 3008(a) Compliance Order
Enforcement Action Date: 06/05/1997
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: \$ 30,000.00

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 06/05/1997
Priority of Violation: Low
Schedule Date to Achieve Compliance: 11/11/1997
Actual Date Achieved Compliance: 04/28/1998

Enforcement Action: Final Formal 3008(a) Compliance Order
Enforcement Action Date: 06/05/1997
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: \$ 30,000.00

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 06/05/1997
Priority of Violation: Low
Schedule Date to Achieve Compliance: 07/10/1997
Actual Date Achieved Compliance: 04/28/1998

Enforcement Action: Final Formal 3008(a) Compliance Order
Enforcement Action Date: 06/05/1997
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: \$ 30,000.00

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 06/05/1997
Priority of Violation: Low
Schedule Date to Achieve Compliance: 07/10/1997
Actual Date Achieved Compliance: 04/28/1998

Enforcement Action: Final Formal 3008(a) Compliance Order
Enforcement Action Date: 06/05/1997
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: \$ 30,000.00

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

USN PSNS BREMERTON (Continued)

1000160355

Date Violation Determined: 06/19/1996
Priority of Violation: Low
Schedule Date to Achieve Compliance: Not reported
Actual Date Achieved Compliance: 08/02/1996
Enforcement Action: Verbal Informal
Enforcement Action Date: 06/19/1996
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 06/19/1996
Priority of Violation: Low
Schedule Date to Achieve Compliance: Not reported
Actual Date Achieved Compliance: 08/02/1996
Enforcement Action: Verbal Informal
Enforcement Action Date: 06/19/1996
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 06/19/1996
Priority of Violation: Low
Schedule Date to Achieve Compliance: Not reported
Actual Date Achieved Compliance: 08/02/1996
Enforcement Action: Verbal Informal
Enforcement Action Date: 06/19/1996
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 06/19/1996
Priority of Violation: Low
Schedule Date to Achieve Compliance: Not reported
Actual Date Achieved Compliance: 08/02/1996
Enforcement Action: Verbal Informal
Enforcement Action Date: 06/19/1996
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 04/28/1995
Priority of Violation: Low
Schedule Date to Achieve Compliance: Not reported
Actual Date Achieved Compliance: 06/07/1995
Enforcement Action: Written Informal
Enforcement Action Date: 03/28/1996
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 04/28/1995
Priority of Violation: Low

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

USN PSNS BREMERTON (Continued)

1000160355

Schedule Date to Achieve Compliance: Not reported
Actual Date Achieved Compliance: 06/07/1995

Enforcement Action: Written Informal
Enforcement Action Date: 03/28/1996
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 04/28/1995
Priority of Violation: Low
Schedule Date to Achieve Compliance: Not reported
Actual Date Achieved Compliance: 04/16/1996

Enforcement Action: Written Informal
Enforcement Action Date: 03/28/1996
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 04/28/1995
Priority of Violation: Low
Schedule Date to Achieve Compliance: Not reported
Actual Date Achieved Compliance: 06/07/1995

Enforcement Action: Written Informal
Enforcement Action Date: 03/28/1996
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 04/28/1995
Priority of Violation: Low
Schedule Date to Achieve Compliance: Not reported
Actual Date Achieved Compliance: 02/15/1996

Enforcement Action: Written Informal
Enforcement Action Date: 03/28/1996
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 04/28/1995
Priority of Violation: Low
Schedule Date to Achieve Compliance: Not reported
Actual Date Achieved Compliance: 04/05/1996

Enforcement Action: Written Informal
Enforcement Action Date: 03/28/1996
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-Other Requirements
Date Violation Determined: 09/13/1988
Priority of Violation: Low
Schedule Date to Achieve Compliance: Not reported
Actual Date Achieved Compliance: 06/03/1991

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

USN PSNS BREMERTON (Continued)

1000160355

There are 59 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Compliance Evaluation Inspection (CEI)	Generator-All Requirements	04/28/1998
	Generator-All Requirements	04/28/1998
	Generator-All Requirements	04/28/1998
	Generator-All Requirements	04/28/1998
	Generator-All Requirements	04/28/1998
Compliance Evaluation Inspection (CEI)	Generator-All Requirements	04/28/1998
	Generator-All Requirements	04/28/1998
Compliance Evaluation Inspection (CEI)	Generator-All Requirements	04/28/1998
	Generator-All Requirements	04/28/1998
	Generator-All Requirements	04/28/1998
	Generator-All Requirements	04/28/1998
Compliance Evaluation Inspection (CEI)	Generator-All Requirements	08/02/1996
	Generator-All Requirements	08/02/1996
	Generator-All Requirements	08/02/1996
	Generator-All Requirements	08/02/1996
Compliance Evaluation Inspection (CEI)	Generator-All Requirements	06/07/1995
	Generator-All Requirements	06/07/1995
	Generator-All Requirements	04/16/1996
	Generator-All Requirements	06/07/1995
	Generator-All Requirements	02/15/1996
Compliance Evaluation Inspection (CEI)	Generator-All Requirements	04/05/1996
	Generator-All Requirements	06/22/1994
	Generator-All Requirements	06/22/1994
	Generator-All Requirements	06/22/1994
	Generator-All Requirements	06/22/1994
	TSD-Other Requirements	06/22/1994
	Formal Enforcement Agreement	06/22/1994
Compliance Evaluation Inspection (CEI)	Generator-All Requirements	05/10/1994
	TSD-Other Requirements	05/10/1994
Compliance Evaluation Inspection (CEI)	Generator-All Requirements	09/24/1992
	Generator-All Requirements	09/24/1992
	Generator-All Requirements	09/27/1992
	TSD-Other Requirements	09/27/1992
	TSD-Other Requirements	09/24/1992
Compliance Evaluation Inspection (CEI)	Generator-All Requirements	05/10/1994
	TSD-Other Requirements	05/10/1994
	TSD-Other Requirements	05/10/1994
	TSD-Other Requirements	05/10/1994
	TSD-Other Requirements	05/10/1994
	TSD-Other Requirements	05/10/1994
	Generator-All Requirements	05/10/1994
	TSD-Other Requirements	08/13/1992
	Generator-All Requirements	05/10/1994
	Generator-All Requirements	05/10/1994
Compliance Evaluation Inspection (CEI)	TSD-Other Requirements	09/30/1991
	TSD-Other Requirements	09/30/1991
	TSD-Other Requirements	09/30/1991

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

USN PSNS BREMERTON (Continued)

Database(s) EDR ID Number
EPA ID Number

1000160355

	TSD-Other Requirements	09/30/1991
	TSD-Other Requirements	09/30/1991
	TSD-Other Requirements	09/30/1991
	Generator-All Requirements	09/30/1991
	TSD-Other Requirements	09/30/1991
	TSD-Other Requirements	09/30/1991
	Generator-All Requirements	06/03/1991
	TSD-Other Requirements	09/30/1991
	TSD-Other Requirements	09/30/1991
	TSD-Other Requirements	09/30/1991
Compliance Evaluation Inspection (CEI)	TSD-Other Requirements	11/21/1989
	TSD-Other Requirements	11/21/1989
	Generator-Land Ban Requirements	11/21/1989
	TSD-Land Ban Requirements	11/21/1989
Compliance Evaluation Inspection (CEI)	Generator-All Requirements	06/03/1991
	TSD-Other Requirements	09/30/1991
	TSD-Other Requirements	09/30/1991
	TSD-Other Requirements	09/30/1991
Compliance Evaluation Inspection (CEI)	TSD-Other Requirements	06/03/1991
Compliance Evaluation Inspection (CEI)	TSD-Other Requirements	06/03/1991
	TSD-Closure/Post Closure Requirements	06/03/1991
Compliance Evaluation Inspection (CEI)	TSD-Closure/Post Closure Requirements	09/13/1988
	TSD-Other Requirements	09/13/1988
Compliance Evaluation Inspection (CEI)	TSD-Other Requirements	09/30/1991
	TSD-Other Requirements	09/30/1991
	TSD-Other Requirements	09/30/1991
Compliance Evaluation Inspection (CEI)	TSD-Other Requirements	09/30/1991

FINDS:

Other Pertinent Environmental Activity Identified at Site:
AIRS Facility System (AIRS/AFS)
Enforcement Docket System (DOCKET)
National Compliance Database (NCDB)
Permit Compliance System (PCS)

M42
NW
1/2-1
3662
Higher

BREMERTON SCHOOL DIST HADDON
LAFAYETTE AVE / W 15TH ST
BREMERTON, WA 98312

CSCSL S103083979
N/A

SHWS:

Facility ID: 2652
Facility Status: Not reported
Rank: Not reported
Flag: STATE
Responsible Unit: NW
Latitude: 47 34 27
Longitude: 122 39 24
Ecology Site Status relative to the MTCA cleanup process:
Awaiting Site Hazard Assessment (SHA)
Independent Site Status - those sites undergoing an independent cleanup:
Independent Site Assessment of Interim Remedial Action Report received
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Not reported
Affected Media: Not reported
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)

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

BREMERTON SCHOOL DIST HADDON (Continued)

S103083979

Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
Horizontal Collection Method:	18
EPA Priority Pollutants - Metals and Cyanide:	Confirmed above MTCA cleanup levels
Metals - Other non-priority pollutant metals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Confirmed above MTCA cleanup levels
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Confirmed above MTCA cleanup levels
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

**M43
NW
1/2-1
3662
Higher**

**BREMERTON SCHOOL DISTRICT - HADDON ELEMENTARY
LAFAYETTE AVE. / W. 15TH ST.
BREMERTON, WA 98312**

**WA ICR S103505705
N/A**

WA ICR:

Date Ecology Received Report:	12/02/1994
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Soil
Cause of Contamination:	Landfill
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	93-40
County Code:	18

**44
East
1/2-1
3671
Lower**

**PORT BLAKELY FOODS
844 SIXTH
BREMERTON, WA 98310**

**UST U003028965
LUST N/A**

LUST:

Facility ID:	9694	Ecology Region:	North Western
Release ID:	4192	Release Date:	4/22/1992 0:00
Release Status:	REPORTED CLEANED UP	Status Date:	6/1/1995 0:00
Alternate Name:	HELLER FINANCIAL PROPERTY		
Affected Media:	SOIL		

Facility ID:	9694	Ecology Region:	North Western
Release ID:	4192	Release Date:	4/22/1992 0:00
Release Status:	CLEANUP STARTED	Status Date:	4/22/1992 0:00
Alternate Name:	HELLER FINANCIAL PROPERTY		
Affected Media:	SOIL		

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

PORT BLAKELY FOODS (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003028965

UST:

Facility ID: 9694
Install Date: 12/31/1964 0:00
Capacity: Not reported
Status: Closed in Place
Tank Name: 1
Tank Material: Not reported
Substance: Not reported
Compartment #: 1
Ecology Region: North Western

Facility ID: 9694
Install Date: 12/31/1964 0:00
Capacity: Not reported
Status: Closure in Process
Tank Name: 1R
Tank Material: Steel-Unprotected
Substance: LEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 9694
Install Date: 12/31/1964 0:00
Capacity: Not reported
Status: Closure in Process
Tank Name: 3UL
Tank Material: Steel-Unprotected
Substance: UNLEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 9694
Install Date: 12/31/1964 0:00
Capacity: Not reported
Status: Closure in Process
Tank Name: 2SUL
Tank Material: Steel-Unprotected
Substance: UNLEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

45
WNW
1/2-1
3771
Higher

LAMBERTS RADIATOR SHOP
3338 KITSAP WY
BREMERTON, WA 98312

CSCSL S101189430
N/A

SHWS:

Facility ID: 2638
Facility Status: AWAITING RA
Rank: 1
Flag: STATE/HSL
Responsible Unit: NW
Latitude: 47 34 37
Longitude: 122 38 36
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

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)

EDR ID Number
EPA ID Number

LAMBERTS RADIATOR SHOP (Continued)

S101189430

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

Affected Media: Not reported

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:

Confirmed above MTCA cleanup levels

Horizontal Collection Method:

18

EPA Priority Pollutants - Metals and Cyanide:

Confirmed above MTCA cleanup levels

Metals - Other non-priority pollutant metals:

Suspected to be present

Polychlorinated biPhenyls (PCBs):

Not reported

Pesticides:

Not reported

Petroleum Products:

Confirmed above MTCA cleanup levels

Phenolic Compounds:

Confirmed above MTCA cleanup levels

Non-Halogenated Solvents:

Confirmed above MTCA cleanup levels

Dioxin:

Not reported

Polynuclear Aromatic Hydrocarbons (PAH):

Confirmed above MTCA cleanup levels

Reactive Wastes:

Not reported

Corrosive Wastes:

Suspected to be present

Radioactive Wastes:

Not reported

Asbestos:

Not reported

Conventional Contaminants, Organic:

Confirmed above MTCA cleanup levels

Conventional Contaminants, Inorganic:

Not reported

Facility ID: 2638

Facility Status: AWAITING RA

Rank: 1

Flag: STATE

Responsible Unit: NW

Latitude: 47 34 37

Longitude: 122 38 36

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):

1 - Greatest assessed risk to human health and to the environment

Affected Media: Not reported

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:

Suspected to be present

Horizontal Collection Method:

18

EPA Priority Pollutants - Metals and Cyanide:

Suspected to be present

Metals - Other non-priority pollutant metals:

Suspected to be present

Polychlorinated biPhenyls (PCBs):

Not reported

Pesticides:

Not reported

Petroleum Products:

Suspected to be present

Phenolic Compounds:

Suspected to be present

Non-Halogenated Solvents:

Suspected to be present

Dioxin:

Not reported

Polynuclear Aromatic Hydrocarbons (PAH):

Suspected to be present

Reactive Wastes:

Not reported

Corrosive Wastes:

Suspected to be present

Radioactive Wastes:

Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

LAMBERTS RADIATOR SHOP (Continued)

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

Database(s)

EDR ID Number
EPA ID Number

S101189430

N46
SSW
1/2-1
3806
Lower

P & R QUICK STOP
2700 FARRAGUT
BREMERTON, WA 98312

WA ICR

S103508525
N/A

WA ICR:

Date Ecology Received Report:	07/14/1993
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:	93-07
County Code:	18

Date Ecology Received Report:	03/10/1995
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:	94-03
County Code:	18

Date Ecology Received Report:	10/17/1996
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:	94-42
County Code:	18

N47
SSW
1/2-1
3806
Lower

P & R QUICKSTOP
2700 FARRAGUT
BREMERTON, WA 98312

UST
LUST

U000592561
N/A

LUST:

Facility ID:	8134
Release ID:	4587
Release Status:	MONITORING
Alternate Name:	P & R QUICK STOP
Affected Media:	SOIL

Ecology Region:	North Western
Release Date:	7/14/1993 0:00
Status Date:	1/27/1996 10:25:09:7

Facility ID:	8134
Release ID:	4587
Release Status:	CLEANUP STARTED
Alternate Name:	P & R QUICK STOP
Affected Media:	SOIL

Ecology Region:	North Western
Release Date:	7/14/1993 0:00
Status Date:	2/1/1995 0:00

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

P & R QUICKSTOP (Continued)

EDR ID Number
EPA ID Number

Database(s)

U000592561

Facility ID: 8134 Ecology Region: North Western
Release ID: 4587 Release Date: 7/14/1993 0:00
Release Status: MONITORING Status Date: 1/27/1996 10:25:09:7
Alternate Name: P & R QUICK STOP
Affected Media: GROUND WATER

Facility ID: 8134 Ecology Region: North Western
Release ID: 4587 Release Date: 7/14/1993 0:00
Release Status: CLEANUP STARTED Status Date: 2/1/1995 0:00
Alternate Name: P & R QUICK STOP
Affected Media: GROUND WATER

UST:

Facility ID: 8134
Install Date: 1/1/1971 0:00
Capacity: Not reported
Status: Removed
Tank Name: 2R
Tank Material: Not reported
Substance: LEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 8134
Install Date: 1/1/1971 0:00
Capacity: Not reported
Status: Removed
Tank Name: 3R
Tank Material: Not reported
Substance: LEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 8134
Install Date: 1/1/1971 0:00
Capacity: Not reported
Status: Removed
Tank Name: 4UL
Tank Material: Not reported
Substance: UNLEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 8134
Install Date: 1/1/1971 0:00
Capacity: Not reported
Status: Removed
Tank Name: 1SUL
Tank Material: Not reported
Substance: UNLEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

P & R QUICKSTOP (Continued)

U000592561

Facility ID: 8134
Install Date: 12/31/1964 0:00
Capacity: 111 to 1,100 Gallons
Status: Removed
Tank Name: 8
Tank Material: Not reported
Substance: LEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 8134
Install Date: 12/31/1964 0:00
Capacity: 111 to 1,100 Gallons
Status: Removed
Tank Name: 9
Tank Material: Not reported
Substance: LEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 8134
Install Date: 12/31/1964 0:00
Capacity: 111 to 1,100 Gallons
Status: Removed
Tank Name: 10
Tank Material: Not reported
Substance: LEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 8134
Install Date: 12/31/1964 0:00
Capacity: 111 to 1,100 Gallons
Status: Removed
Tank Name: 12
Tank Material: Not reported
Substance: LEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 8134
Install Date: 12/31/1964 0:00
Capacity: 111 to 1,100 Gallons
Status: Removed
Tank Name: 13
Tank Material: Not reported
Substance: LEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

P & R QUICKSTOP (Continued)

EDR ID Number
EPA ID Number

Database(s)

U000592561

Facility ID: 8134
Install Date: 12/31/1964 0:00
Capacity: 111 to 1,100 Gallons
Status: Removed
Tank Name: 5
Tank Material: Not reported
Substance: USED OIL/WASTE OIL
Compartment #: 1
Ecology Region: North Western

Facility ID: 8134
Install Date: 12/31/1964 0:00
Capacity: 111 to 1,100 Gallons
Status: Removed
Tank Name: 11
Tank Material: Not reported
Substance: USED OIL/WASTE OIL
Compartment #: 1
Ecology Region: North Western

48
ENE
1/2-1
3829
Lower

BREMERTON SERVICE CENTER
840 10TH ST
BREMERTON, WA 98310

UST U001125511
LUST N/A

LUST:

Facility ID: 8557
Release ID: 1232
Release Status: CLEANUP STARTED
Alternate Name: PUGET POWER SERVICE
Affected Media: SOIL

Ecology Region: North Western
Release Date: 4/3/1989 0:00
Status Date: 6/1/1995 0:00

Facility ID: 8557
Release ID: 1232
Release Status: CLEANUP STARTED
Alternate Name: PUGET POWER SERVICE
Affected Media: GROUND WATER

Ecology Region: North Western
Release Date: 4/3/1989 0:00
Status Date: 6/1/1995 0:00

UST:

Facility ID: 8557
Install Date: 12/31/1964 0:00
Capacity: Not reported
Status: Closed in Place
Tank Name: 173
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

BREMERTON SERVICE CENTER (Continued)

U001125511

Facility ID: 8557
Install Date: 5/1/1961 0:00
Capacity: 1,101 TO 2,000 GALLONS
Status: TEMPORARILY CLOSED
Tank Name: 176
Tank Material: Not reported
Substance: DIESEL
Compartment #: 1
Ecology Region: North Western

Facility ID: 8557
Install Date: 12/31/1964 0:00
Capacity: 111 to 1,100 Gallons
Status: Closed in Place
Tank Name: 174
Tank Material: Steel-Unprotected
Substance: Not reported
Compartment #: 1
Ecology Region: North Western

Facility ID: 8557
Install Date: 5/1/1973 0:00
Capacity: 10,000 TO 19,999 GALLONS
Status: TEMPORARILY CLOSED
Tank Name: 175
Tank Material: Not reported
Substance: UNLEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 8557
Install Date: 12/31/1964 0:00
Capacity: 111 to 1,100 Gallons
Status: Closed in Place
Tank Name: 177
Tank Material: Steel-Unprotected
Substance: USED OIL/WASTE OIL
Compartment #: 1
Ecology Region: North Western

49
North
1/2-1
3838
Lower

**PEDERSON OIL SITE FORMER
2100 19TH ST
BREMERTON, WA 98312**

**CSCSL S103083984
N/A**

SHWS:

Facility ID: 3122819
Facility Status: AWAITING RA
Rank: 4
Flag: STATE/HSL
Responsible Unit: NW
Latitude: 47 34 43
Longitude: 122 38 50
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

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PEDERSON OIL SITE FORMER (Continued)

S103083984

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

4 - Moderate to lowest assessed risk to human health and to the environment

Affected Media: Not reported

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:	Suspected to be present
Halogenated Organic Compounds:	Not reported
Horizontal Collection Method:	4
EPA Priority Pollutants - Metals and Cyanide:	Confirmed above MTCA cleanup levels
Metals - Other non-priority pollutant metals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Confirmed above MTCA cleanup levels
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Confirmed above MTCA cleanup levels
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Confirmed above MTCA cleanup levels
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: 3122819

Facility Status: AWAITING RA

Rank: 4

Flag: STATE/HSL

Responsible Unit: NW

Latitude: 47 34 43

Longitude: 122 38 50

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):

4 - Moderate to lowest assessed risk to human health and to the environment

Affected Media: Not reported

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:	Not reported
Metals - Other non-priority pollutant metals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Suspected to be present
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Suspected to be present
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

PEDERSON OIL SITE FORMER (Continued)

S103083984

Asbestos: Not reported
Conventional Contaminants, Organic: Not reported
Conventional Contaminants, Inorganic: Not reported

Facility ID: 3122819
Facility Status: AWAITING RA
Rank: 4
Flag: STATE/HSL
Responsible Unit: NW
Latitude: 47 34 43
Longitude: 122 38 50

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):

4 - Moderate to lowest assessed risk to human health and to the environment

Affected Media: Not reported

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: Suspected to be present

Halogenated Organic Compounds: Not reported

Horizontal Collection Method: 4

EPA Priority Pollutants - Metals and Cyanide: Not reported

Metals - Other non-priority pollutant metals: 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): Suspected to be present

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

50
East
1/2-1
3840
Lower

DARIGOLD INC.
811 PARK AVE
BREMERTON, WA 98310

UST U001125907
LUST N/A
WA ICR

LUST:

Facility ID: 9480
Release ID: 3721
Release Status: REPORTED CLEANED UP
Alternate Name: DARIGOLD BREMERTON
Affected Media: SOIL

Ecology Region: North Western
Release Date: 7/28/1992 0:00
Status Date: 6/1/1995 0:00

Facility ID: 9480
Release ID: 3721
Release Status: CLEANUP STARTED
Alternate Name: DARIGOLD BREMERTON
Affected Media: SOIL

Ecology Region: North Western
Release Date: 7/28/1992 0:00
Status Date: 7/28/1992 0:00

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

DARIGOLD INC. (Continued)

U001125907

WA ICR:

Date Ecology Received Report: 10/14/1992
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: 92-35
County Code: 18

UST:

Facility ID: 9480
Install Date: 12/31/1964 0:00
Capacity: Not reported
Status: Removed
Tank Name: 3
Tank Material: Not reported
Substance: USED OIL/WASTE OIL
Compartment #: 1
Ecology Region: North Western

Facility ID: 9480
Install Date: 12/31/1964 0:00
Capacity: Not reported
Status: Closed in Place
Tank Name: 4
Tank Material: Not reported
Substance: USED OIL/WASTE OIL
Compartment #: 1
Ecology Region: North Western

Facility ID: 9480
Install Date: 12/31/1964 0:00
Capacity: Not reported
Status: Removed
Tank Name: 1
Tank Material: Steel-Unprotected
Substance: LEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 9480
Install Date: 12/31/1964 0:00
Capacity: 111 to 1,100 Gallons
Status: Removed
Tank Name: 2
Tank Material: Steel-Unprotected
Substance: LEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

51
North
1/2-1
3883
Lower

PUMP STATION CW-1
2304 19TH AVE
BREMERTON, WA 98312

UST U001128557
LUST N/A

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

PUMP STATION CW-1 (Continued)

EDR ID Number
EPA ID Number

Database(s)

U001128557

LUST:

Facility ID:	101854	Ecology Region:	North Western
Release ID:	441168	Release Date:	3/19/1998 0:00
Release Status:	AWAITING CLEANUP	Status Date:	3/19/1998 0:00
Alternate Name:	Not reported		
Affected Media:	SOIL		

UST:

Facility ID:	101854
Install Date:	1/15/1984 0:00
Capacity:	111 to 1,100 Gallons
Status:	Operational
Tank Name:	CW-1-DIESEL
Tank Material:	Steel Clad with Fiberglass
Substance:	DIESEL
Compartment #:	1
Ecology Region:	North Western

52
ESE
1/2-1
3923
Lower

**PARK AVENUE CLEANERS
808 BURWELL ST.
BREMERTON, WA 98337**

WA ICR S104485884
N/A

WA ICR:

Date Ecology Received Report:	09/14/1999
Contaminants Found at Site:	Petroleum products
	34
Media Contaminated:	Groundwater, Soil
Cause of Contamination:	Not reported
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	98-23
County Code:	18

53
ENE
1/2-1
4637
Lower

**EVERGREEN PARK BREMERTON
14TH ST / SHELDON BLVD
BREMERTON, WA 98310**

CSCSL S102258108
N/A

SHWS:

Facility ID:	2645
Facility Status:	INDEPENDENT RA
Rank:	5
Flag:	STATE/HSL
Responsible Unit:	NW
Latitude:	47 34 38
Longitude:	122 37 54
Ecology Site Status relative to the MTCA cleanup process:	Independent Remedial Action
Independent Site Status - those sites undergoing an independent cleanup:	Independent Site Assessment of Interim Remedial Action Report received
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:	Not reported
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)

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

EVERGREEN PARK BREMERTON (Continued)

S102258108

Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Confirmed above MTCA cleanup levels
Horizontal Collection Method:	18
EPA Priority Pollutants - Metals and Cyanide:	Confirmed above MTCA cleanup levels
Metals - Other non-priority pollutant metals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Confirmed above MTCA cleanup levels
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Confirmed above MTCA cleanup levels
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:	Suspected to be present
Facility ID: 2645	
Facility Status: INDEPENDENT RA	
Rank: 5	
Flag: STATE	
Responsible Unit: NW	
Latitude: 47 34 38	
Longitude: 122 37 54	
Ecology Site Status relative to the MTCA cleanup process:	
Independent Remedial Action	
Independent Site Status - those sites undergoing an independent cleanup:	
Independent Site Assessment of Interim Remedial Action Report received	
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:	Not reported
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:	Suspected to be present
Horizontal Collection Method:	18
EPA Priority Pollutants - Metals and Cyanide:	Suspected to be present
Metals - Other non-priority pollutant metals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Suspected to be present
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Suspected to be present
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

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

O54 BREM-AIR DISPOSAL, INC.
ENE 512 SHELDON BLVD
1/2-1 BREMERTON, WA 98337
4671
Lower

UST U003026449
LUST N/A
CSCSL

SHWS:

Facility ID: Not reported
Facility Status: AWAITING R
Rank: 5
Flag: HSL
Responsible Unit: Not reported
Latitude: Not reported
Longitude: Not reported
Ecology Site Status relative to the MTCA cleanup process:
Not reported
Independent Site Status - those sites undergoing an independent cleanup:
Not reported
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Not reported
Affected Media: Not reported
Media Status: Not reported
Base/Neutral/Acid Organics: Not reported
Halogenated Organic Compounds: Not reported
Horizontal Collection Method: Not reported
EPA Priority Pollutants - Metals and Cyanide: Not reported
Metals - Other non-priority pollutant metals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Pesticides: Not reported
Petroleum Products: Not reported
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

LUST:

Facility ID: 3071 Ecology Region: North Western
Release ID: 5588 Release Date: 12/6/1994 0:00
Release Status: CLEANUP STARTED Status Date: 6/1/1995 0:00
Alternate Name: BREM AIR DISPOSAL
Affected Media: SOIL

UST:

Facility ID: 3071
Install Date: 12/31/1964 0:00
Capacity: Not reported
Status: Temporarily Closed
Tank Name: 5
Tank Material: Steel-Unprotected
Substance: Not reported
Compartment #: 1
Ecology Region: North Western

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

BREM-AIR DISPOSAL, INC. (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003026449

Facility ID: 3071
Install Date: 12/31/1964 0:00
Capacity: Not reported
Status: Temporarily Closed
Tank Name: 1
Tank Material: Steel-Unprotected
Substance: LEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 3071
Install Date: 12/31/1964 0:00
Capacity: Not reported
Status: Temporarily Closed
Tank Name: 2
Tank Material: Steel-Unprotected
Substance: LEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 3071
Install Date: 12/31/1964 0:00
Capacity: Not reported
Status: Temporarily Closed
Tank Name: 3
Tank Material: Steel-Unprotected
Substance: LEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

Facility ID: 3071
Install Date: 12/31/1964 0:00
Capacity: Not reported
Status: Temporarily Closed
Tank Name: 4
Tank Material: Steel-Unprotected
Substance: LEADED GASOLINE
Compartment #: 1
Ecology Region: North Western

O55
ENE
1/2-1
4671
Lower

BREM AIR DISPOSAL INC
512 SHELDON BLVD
BREMERTON, WA 98310

CERCLIS 1000302393
RCRIS-SQG WAD042804971
FINDS
WA ICR
CSCSL

CERCLIS Classification Data:

Site Incident Category: Not reported
Ownership Status: Not reported
Site Description: Removed from archive list due to citizen's petition (1998).
Federal Facility: Not reported
NPL Status: Not reported

CERCLIS Assessment History:

Assessment:	DISCOVERY	Completed:	19800601
Assessment:	PRELIMINARY ASSESSMENT	Completed:	19840831
Assessment:	SITE INSPECTION	Completed:	19850111
Assessment:	SITE INSPECTION	Completed:	19880825
Assessment:	SITE INSPECTION	Completed:	19980519

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

BREM AIR DISPOSAL INC (Continued)

1000302393

CERCLIS Site Status:

High

CERCLIS Alias Name(s):

BREM AIR DISPOSAL

RCRIS:

Owner: USA WASTE SERVICES INC
(713) 512-6208

Contact: STEVE WALKER
(360) 674-3166

Record Date: 12/31/1996

Classification: Not reported

Used Oil Recyc: No

Violation Status: No violations found

SHWS:

Facility ID: 3812

Facility Status: RA IN PROGRESS

Rank: 1

Flag: STATE/HSL

Responsible Unit: NW

Latitude: 47 34 26

Longitude: 122 37 43

Ecology Site Status relative to the MTCA cleanup process:

Remedial Action in progress

Independent Site Status - those sites undergoing an independent cleanup:

Not reported

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

1 - Greatest assessed risk to human health and to the environment

Affected Media: Not reported

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: Confirmed above MTCA cleanup levels

Metals - Other non-priority pollutant metals: Not reported

Polychlorinated biPhenyls (PCBs): Not reported

Pesticides: Not reported

Petroleum Products: Confirmed above MTCA cleanup levels

Phenolic Compounds: Not reported

Non-Halogenated Solvents: Confirmed above MTCA cleanup levels

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: 3812

Facility Status: RA IN PROGRESS

Rank: 1

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

BREM AIR DISPOSAL INC (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000302393

Flag: STATE
Responsible Unit: NW
Latitude: 47 34 26
Longitude: 122 37 43
Ecology Site Status relative to the MTCA cleanup process:
Remedial Action in progress
Independent Site Status - those sites undergoing an independent cleanup:
Not reported
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
1 - Greatest assessed risk to human health and to the environment
Affected Media: Not reported
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: 3812
Facility Status: RA IN PROGRESS
Rank: 1
Flag: STATE
Responsible Unit: NW
Latitude: 47 34 26
Longitude: 122 37 43
Ecology Site Status relative to the MTCA cleanup process:
Remedial Action in progress
Independent Site Status - those sites undergoing an independent cleanup:
Not reported
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
1 - Greatest assessed risk to human health and to the environment
Affected Media: Not reported
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

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

BREM AIR DISPOSAL INC (Continued)

1000302393

Petroleum Products:	Suspected to be present
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Suspected to be present
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

WA ICR:

Date Ecology Received Report:	12/06/1994
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:	93-42
County Code:	18

O56
ENE
1/2-1
4677
Lower

LOFTHUS BULK PLANT
510 SHELDON BLVD
BREMERTON, WA 98310

CSCSL S100475791
N/A

SHWS:

Facility ID: 2623
Facility Status: AWAITING RA
Rank: 1
Flag: STATE/HSL
Responsible Unit: NW
Latitude: 47 34 21
Longitude: 122 37 40
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):
1 - Greatest assessed risk to human health and to the environment

Affected Media: Not reported

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:	3
EPA Priority Pollutants - Metals and Cyanide:	Confirmed above MTCA cleanup levels
Metals - Other non-priority pollutant metals:	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

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

LOFTHUS BULK PLANT (Continued)

S100475791

Corrosive Wastes: Not reported
Radioactive Wastes: Not reported
Asbestos: Not reported
Conventional Contaminants, Organic: Not reported
Conventional Contaminants, Inorganic: Not reported

Facility ID: 2623
Facility Status: AWAITING RA
Rank: 1
Flag: STATE
Responsible Unit: NW
Latitude: 47 34 21
Longitude: 122 37 40

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):

1 - Greatest assessed risk to human health and to the environment

Affected Media: Not reported

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: 3
EPA Priority Pollutants - Metals and Cyanide: Suspected to be present
Metals - Other non-priority pollutant metals: 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: Not reported
Conventional Contaminants, Inorganic: Not reported

Facility ID: 2623
Facility Status: AWAITING RA
Rank: 1
Flag: STATE
Responsible Unit: NW
Latitude: 47 34 21
Longitude: 122 37 40

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):

1 - Greatest assessed risk to human health and to the environment

Affected Media: Not reported

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

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

LOFTHUS BULK PLANT (Continued)

S100475791

Base/Neutral/Acid Organics: Not reported
Halogenated Organic Compounds: Not reported
Horizontal Collection Method: 3
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: 2623

Facility Status: AWAITING RA

Rank: 1

Flag: STATE

Responsible Unit: NW

Latitude: 47 34 21

Longitude: 122 37 40

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):

1 - Greatest assessed risk to human health and to the environment

Affected Media: Not reported

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: 3
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: Suspected to be present
Conventional Contaminants, Organic: Not reported
Conventional Contaminants, Inorganic: Not reported

Facility ID: 2623

Facility Status: AWAITING RA

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

LOFTHUS BULK PLANT (Continued)

S100475791

Rank: 1
Flag: STATE
Responsible Unit: NW
Latitude: 47 34 21
Longitude: 122 37 40
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):
1 - Greatest assessed risk to human health and to the environment
Affected Media: Not reported
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: 3
EPA Priority Pollutants - Metals and Cyanide: Suspected to be present
Metals - Other non-priority pollutant metals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Pesticides: Not reported
Petroleum Products: Suspected to be present
Phenolic Compounds: Not reported
Non-Halogenated Solvents: Suspected to be present
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

57
ESE
1/2-1
4886
Lower
USN PSNS
1ST ST
BREMERTON, WA 98314

CSCSL 1000973955
N/A

SHWS:
Facility ID: 175
Facility Status: RA IN PROGRESS
Rank: 0
Flag: STATE/HSL
Responsible Unit: HQ
Latitude: 47 33 29
Longitude: 122 38 50
Ecology Site Status relative to the MTCA cleanup process:
Remedial Action in progress
Independent Site Status - those sites undergoing an independent cleanup:
Not reported
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Site is either on the federal National Priorities List (NPL) or a sub-site or operable unit of an NPL site. NPL sites are ranked under the federal Hazard Ranking System (HRS)
Affected Media: Not reported
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)

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

USN PSNS (Continued)

1000973955

Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
Horizontal Collection Method:	99
EPA Priority Pollutants - Metals and Cyanide:	Confirmed above MTCA cleanup levels
Metals - Other non-priority pollutant metals:	Confirmed above MTCA cleanup levels
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):	Confirmed above MTCA cleanup levels
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Suspected to be present
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Facility ID: 175	
Facility Status: RA IN PROGRESS	
Rank: 0	
Flag: STATE	
Responsible Unit: HQ	
Latitude: 47 33 29	
Longitude: 122 38 50	
Ecology Site Status relative to the MTCA cleanup process:	
Remedial Action in progress	
Independent Site Status - those sites undergoing an independent cleanup:	
Not reported	
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):	
Site is either on the federal National Priorities List (NPL) or a sub-site or operable unit of an NPL site. NPL sites are ranked under the federal Hazard Ranking System (HRS)	
Affected Media: Not reported	
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:	Confirmed above MTCA cleanup levels
Halogenated Organic Compounds:	Confirmed above MTCA cleanup levels
Horizontal Collection Method:	99
EPA Priority Pollutants - Metals and Cyanide:	Confirmed above MTCA cleanup levels
Metals - Other non-priority pollutant metals:	Confirmed above MTCA cleanup levels
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Confirmed above MTCA cleanup levels
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Confirmed above MTCA cleanup levels
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Confirmed above MTCA cleanup levels
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Suspected to be present
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

USN PSNS (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000973955

Facility ID: 175
Facility Status: RA IN PROGRESS
Rank: 0
Flag: STATE
Responsible Unit: HQ
Latitude: 47 33 29
Longitude: 122 38 50
Ecology Site Status relative to the MTCA cleanup process:
Remedial Action in progress
Independent Site Status - those sites undergoing an independent cleanup:
Not reported
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Site is either on the federal National Priorities List (NPL) or a sub-site or operable unit of an NPL site. NPL sites are ranked under the federal Hazard Ranking System (HRS)
Affected Media: Not reported
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: Confirmed above MTCA cleanup levels
Halogenated Organic Compounds: Confirmed above MTCA cleanup levels
Horizontal Collection Method: 99
EPA Priority Pollutants - Metals and Cyanide: Confirmed above MTCA cleanup levels
Metals - Other non-priority pollutant metals: Confirmed above MTCA cleanup levels
Polychlorinated biPhenyls (PCBs): Confirmed above MTCA cleanup levels
Pesticides: Not reported
Petroleum Products: Confirmed above MTCA cleanup levels
Phenolic Compounds: Not reported
Non-Halogenated Solvents: Confirmed above MTCA cleanup levels
Dioxin: Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Confirmed above MTCA cleanup levels
Reactive Wastes: Not reported
Corrosive Wastes: Not reported
Radioactive Wastes: Suspected to be present
Asbestos: Confirmed above MTCA cleanup levels
Conventional Contaminants, Organic: Not reported
Conventional Contaminants, Inorganic: Not reported

Facility ID: 175
Facility Status: RA IN PROGRESS
Rank: 0
Flag: STATE
Responsible Unit: HQ
Latitude: 47 33 29
Longitude: 122 38 50
Ecology Site Status relative to the MTCA cleanup process:
Remedial Action in progress
Independent Site Status - those sites undergoing an independent cleanup:
Not reported
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Site is either on the federal National Priorities List (NPL) or a sub-site or operable unit of an NPL site. NPL sites are ranked under the federal Hazard Ranking System (HRS)
Affected Media: Not reported
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

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

USN PSNS (Continued)

1000973955

Base/Neutral/Acid Organics:	Suspected to be present
Halogenated Organic Compounds:	Suspected to be present
Horizontal Collection Method:	99
EPA Priority Pollutants - Metals and Cyanide:	Suspected to be present
Metals - Other non-priority pollutant metals:	Suspected to be present
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Suspected to be present
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Suspected to be present
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Suspected to be present
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Suspected to be present
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported

Facility ID: 177

Facility Status: RA IN PROGRESS

Rank: 0

Flag: STATE/HSL

Responsible Unit: HQ

Latitude: 47 33 29

Longitude: 122 38 50

Ecology Site Status relative to the MTCA cleanup process:

Remedial Action in progress

Independent Site Status - those sites undergoing an independent cleanup:

Not reported

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

Site is either on the federal National Priorities List (NPL) or a sub-site or operable unit of an NPL site. NPL sites are ranked under the federal Hazard Ranking System (HRS)

Affected Media: Not reported

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:	99
EPA Priority Pollutants - Metals and Cyanide:	Confirmed above MTCA cleanup levels
Metals - Other non-priority pollutant metals:	Confirmed above MTCA cleanup levels
Polychlorinated biPhenyls (PCBs):	Confirmed above MTCA cleanup levels
Pesticides:	Confirmed above MTCA cleanup levels
Petroleum Products:	Confirmed above MTCA cleanup levels
Phenolic Compounds:	Suspected to be present
Non-Halogenated Solvents:	Not reported
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Confirmed above MTCA cleanup levels
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Confirmed above MTCA cleanup levels

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

USN PSNS (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000973955

Facility ID: 177
Facility Status: RA IN PROGRESS
Rank: 0
Flag: STATE
Responsible Unit: HQ
Latitude: 47 33 29
Longitude: 122 38 50
Ecology Site Status relative to the MTCA cleanup process:
Remedial Action in progress
Independent Site Status - those sites undergoing an independent cleanup:
Not reported
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Site is either on the federal National Priorities List (NPL) or a sub-site or operable unit of an NPL site. NPL sites are ranked under the federal Hazard Ranking System (HRS)
Affected Media: Not reported
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: Confirmed above MTCA cleanup levels
Halogenated Organic Compounds: Confirmed above MTCA cleanup levels
Horizontal Collection Method: 99
EPA Priority Pollutants - Metals and Cyanide: Confirmed above MTCA cleanup levels
Metals - Other non-priority pollutant metals: Confirmed above MTCA cleanup levels
Polychlorinated biPhenyls (PCBs): Confirmed above MTCA cleanup levels
Pesticides: Confirmed above MTCA cleanup levels
Petroleum Products: Confirmed above MTCA cleanup levels
Phenolic Compounds: Suspected to be present
Non-Halogenated Solvents: Suspected to be present
Dioxin: Suspected to be present
Polynuclear Aromatic Hydrocarbons (PAH): Confirmed above MTCA cleanup levels
Reactive Wastes: Suspected to be present
Corrosive Wastes: Suspected to be present
Radioactive Wastes: Suspected to be present
Asbestos: Confirmed above MTCA cleanup levels
Conventional Contaminants, Organic: Confirmed above MTCA cleanup levels
Conventional Contaminants, Inorganic: Confirmed above MTCA cleanup levels

Facility ID: 177
Facility Status: RA IN PROGRESS
Rank: 0
Flag: STATE
Responsible Unit: HQ
Latitude: 47 33 29
Longitude: 122 38 50
Ecology Site Status relative to the MTCA cleanup process:
Remedial Action in progress
Independent Site Status - those sites undergoing an independent cleanup:
Not reported
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Site is either on the federal National Priorities List (NPL) or a sub-site or operable unit of an NPL site. NPL sites are ranked under the federal Hazard Ranking System (HRS)
Affected Media: Not reported
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)

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

MAP FINDINGS

Database(s)

EDR ID Number
EPA ID Number

USN PSNS (Continued)

1000973955

Base/Neutral/Acid Organics:	Confirmed above MTCA cleanup levels
Halogenated Organic Compounds:	Suspected to be present
Horizontal Collection Method:	99
EPA Priority Pollutants - Metals and Cyanide:	Confirmed above MTCA cleanup levels
Metals - Other non-priority pollutant metals:	Confirmed above MTCA cleanup levels
Polychlorinated biPhenyls (PCBs):	Confirmed above MTCA cleanup levels
Pesticides:	Confirmed above MTCA cleanup levels
Petroleum Products:	Confirmed above MTCA cleanup levels
Phenolic Compounds:	Suspected to be present
Non-Halogenated Solvents:	Suspected to be present
Dioxin:	Suspected to be present
Polynuclear Aromatic Hydrocarbons (PAH):	Confirmed above MTCA cleanup levels
Reactive Wastes:	Suspected to be present
Corrosive Wastes:	Suspected to be present
Radioactive Wastes:	Suspected to be present
Asbestos:	Confirmed above MTCA cleanup levels
Conventional Contaminants, Organic:	Suspected to be present
Conventional Contaminants, Inorganic:	Confirmed above MTCA cleanup levels

Facility ID: 179
Facility Status: CONSTRUCTION COMPLETE
Rank: 0
Flag: STATE
Responsible Unit: HQ
Latitude: 47 29 59
Longitude: 122 38 4

Ecology Site Status relative to the MTCA cleanup process:

Remedial Action Completed, Confirmational Monitoring Underway

Independent Site Status - those sites undergoing an independent cleanup:

Not reported

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

Site is either on the federal National Priorities List (NPL) or a sub-site or operable unit of an NPL site. NPL sites are ranked under the federal Hazard Ranking System (HRS)

Affected Media: Not reported

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:	99
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant metals:	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:	Not reported
Conventional Contaminants, Inorganic:	Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

MAP FINDINGS

Database(s)

EDR ID Number
EPA ID Number

USN PSNS (Continued)

1000973955

Facility ID: 178
Facility Status: RA IN PROGRESS
Rank: 0
Flag: STATE/HSL
Responsible Unit: HQ
Latitude: 47 33 29
Longitude: 122 38 50
Ecology Site Status relative to the MTCA cleanup process:
Remedial Action in progress
Independent Site Status - those sites undergoing an independent cleanup:
Not reported
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Site is either on the federal National Priorities List (NPL) or a sub-site or operable unit of an NPL site. NPL sites are ranked under the federal Hazard Ranking System (HRS)
Affected Media: Not reported
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)
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Halogenated Organic Compounds: Confirmed above MTCA cleanup levels
Horizontal Collection Method: 99
EPA Priority Pollutants - Metals and Cyanide: Not reported
Metals - Other non-priority pollutant metals: 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: Not reported
Conventional Contaminants, Inorganic: Not reported

Facility ID: 181
Facility Status: RA IN PROGRESS
Rank: 0
Flag: STATE/HSL
Responsible Unit: HQ
Latitude: 47 29 59
Longitude: 122 45 5
Ecology Site Status relative to the MTCA cleanup process:
Remedial Action in progress
Independent Site Status - those sites undergoing an independent cleanup:
Not reported
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Site is either on the federal National Priorities List (NPL) or a sub-site or operable unit of an NPL site. NPL sites are ranked under the federal Hazard Ranking System (HRS)
Affected Media: Not reported
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)

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

USN PSNS (Continued)

Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
Horizontal Collection Method:	99
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant metals:	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:	Not reported
Conventional Contaminants, Inorganic:	Not reported

Database(s)

EDR ID Number
EPA ID Number

1000973955

58
ENE
1/2-1
5239
Lower

CHEVRON TANK FARM PORT WA NAR
1310 HIGHLAND AVE
BREMERTON, WA 98310

RCRIS-SQG
FINDS
CSCSL

1000434596
WAD000832642

RCRIS:

Owner: WA EGY
(360) 555-1212

Contact: ELAINE ATKINSON
(425) 649-7042

Record Date: 04/13/1992

Classification: Not reported

Used Oil Recyc: No

Violation Status: No violations found

SHWS:

Facility ID: 2618

Facility Status: INDEPENDENT RA

Rank: 2

Flag: STATE/HSL

Responsible Unit: NW

Latitude: 47 34 23

Longitude: 122 37 39

Ecology Site Status relative to the MTCA cleanup process:
Independent Remedial Action

Independent Site Status - those sites undergoing an independent cleanup:
Independent Site Assessment of Interim Remedial Action Report received

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

Affected Media: Not reported

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:	99

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

CHEVRON TANK FARM PORT WA NAR (Continued)

1000434596

EPA Priority Pollutants - Metals and Cyanide:	Confirmed above MTCA cleanup levels
Metals - Other non-priority pollutant metals:	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:	Not reported
Conventional Contaminants, Inorganic:	Not reported

Facility ID: 2618

Facility Status: INDEPENDENT RA

Rank: 2

Flag: STATE

Responsible Unit: NW

Latitude: 47 34 23

Longitude: 122 37 39

Ecology Site Status relative to the MTCA cleanup process:

Independent Remedial Action

Independent Site Status - those sites undergoing an independent cleanup:

Independent Site Assessment of Interim Remedial Action Report received

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

2 - Moderate to greatest assessed risk to human health and to the environment

Affected Media: Not reported

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
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Halogenated Organic Compounds:	Not reported
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Horizontal Collection Method:	99
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EPA Priority Pollutants - Metals and Cyanide:	Suspected to be present
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Metals - Other non-priority pollutant metals:	Not reported
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Polychlorinated biPhenyls (PCBs):	Not reported
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Pesticides:	Not reported
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Petroleum Products:	Confirmed above MTCA cleanup levels
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Phenolic Compounds:	Not reported
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Non-Halogenated Solvents:	Not reported
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Dioxin:	Not reported
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Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
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Reactive Wastes:	Not reported
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Corrosive Wastes:	Not reported
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Radioactive Wastes:	Not reported
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Asbestos:	Not reported
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Conventional Contaminants, Organic:	Not reported
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Conventional Contaminants, Inorganic:	Not reported
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Facility ID: 2618

Facility Status: INDEPENDENT RA

Rank: 2

Flag: STATE

Responsible Unit: NW

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

CHEVRON TANK FARM PORT WA NAR (Continued)

1000434596

Latitude: 47 34 23
Longitude: 122 37 39
Ecology Site Status relative to the MTCA cleanup process:
Independent Remedial Action
Independent Site Status - those sites undergoing an independent cleanup:
Independent Site Assessment of Interim Remedial Action Report received
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
2 - Moderate to greatest assessed risk to human health and to the environment
Affected Media: Not reported
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: 99
EPA Priority Pollutants - Metals and Cyanide: Suspected to be present
Metals - Other non-priority pollutant metals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Pesticides: Not reported
Petroleum Products: Confirmed above MTCA cleanup levels
Phenolic Compounds: Not reported
Non-Halogenated Solvents: Confirmed above MTCA cleanup levels
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

59
SW
> 1
5460
Higher

CONSTITUTION AV LANDFILL
CONSTITUTION AVE / PORTER
BREMERTON, WA 98312

CSCSL S100079931
N/A

SHWS:
Facility ID: 2604
Facility Status: Not reported
Rank: Not reported
Flag: STATE
Responsible Unit: NW
Latitude: 47 33 27
Longitude: 122 39 42
Ecology Site Status relative to the MTCA cleanup process:
Awaiting Site Hazard Assessment (SHA)
Independent Site Status - those sites undergoing an independent cleanup:
Not reported
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Not reported
Affected Media: Not reported
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: 3
EPA Priority Pollutants - Metals and Cyanide: Suspected to be present

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CONSTITUTION AV LANDFILL (Continued)

EDR ID Number
EPA ID Number

Database(s)

S100079931

Metals - Other non-priority pollutant metals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Not reported
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

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)	Facility ID
BREMERTON	S103512250	ARCO RESIDENTIAL CLEANUP	932 E. 1ST	98312	WA ICR	
BREMERTON	1000160362	USN NAVAL HOSPITAL BREMERTON	BOONE RD CODE 014	98312	FINDS, RCRIS-LQG	
BREMERTON	S103508004	KITSAP COUNTY ROAD SHOP - CENTRAL	1971 SE CEDAR HWY NW	98312	WA ICR	
BREMERTON	U003402586	NAVAL STATION BREMERTON	DOWELL RD., JACKSON PARK	98312	UST, LUST	100023
BREMERTON	S103510329	US NAVY JACKSON PARK MINI MART	DOWELL ROAD	98314	WA ICR	
BREMERTON	U003710123	PUGET SOUND NAVAL SHIPYARD	1400 FARRAGUT AVE	98314	UST	506236
BREMERTON	1001019598	NAVAL STATIONS BREMERTON	1400 FARRAGUT AVE	98314	LUST, UST	12724
BREMERTON	S104485904	LAND TITLE BUILDING PARKING LOT/FO	1002 FOURTH ST.	98337	WA ICR	
BREMERTON	S104320408	FUDS PSN AMMO DEPOT	100 HEIRDAHL RD	98310	CSCSL	77477121
BREMERTON	1000392239	WEST HILLS HONDA	520 WEST HILLS	98312	RCRIS-SQG, FINDS	
BREMERTON	U003025083	H M I	520 WEST HILLS BLVD	98312	UST	101079
BREMERTON	1001490722	BAYVIEW SUBARU	3888 W HWY 16	98312	RCRIS-SQG, FINDS	
BREMERTON	1001491458	USN PSNS MCKEAN WATERFRONT PARK	KITSAP LK RD 2 MI S OF N LAKE	98314	RCRIS-SQG, FINDS	
BREMERTON	1000160371	USNAVY DRMO YARD BREMERTON SHIPYAR	N OF WYCKOFF ST BETW X & Y STS	98314	CERCLIS	
BREMERTON	S100079946	USN PSNS OU NSC	N OF WYCKOFF ST BETWEEN X / Y	98314	CSCSL	182
BREMERTON	S103851016	PUGET POWER SUBSTATION	E. OF SOLID LANE W., S. OF US	98312	WA ICR	
BREMERTON	1001082062	USNAVY JACKSON PARK NAVAL HOUSING	OLDING RD	98312	FINDS, RCRIS-LQG	
BREMERTON	S103508387	NAVY EXCHANGE SERVICE STATION, BLD	PUGET SOUND NAVAL SHIPYARD	98314	WA ICR	
BREMERTON	S100079950	USN JACKSON PARK OU 1	ROOT RD	98312	CSCSL	173
BREMERTON	S103502769	WYMER PROPERTY	SEABECK HWY NW	98312	WA ICR	
BREMERTON	S100562862	USN PSNS OUA	1ST ST	98314	CSCSL	176
BREMERTON	S103504017	UNION AVENUE GRAVEL PIT	500 UNION AVE./WEST HILLS	98312	WA ICR	
BREMERTON	S100836170	USN JACKSON PARK	UNNAMED RD E OF ROOT RD	98312	CSCSL	172
BREMERTON	S104485969	BREMERTON TRANSPORTATION (FOUR REP	10 WASHINGTON AVE.	98337	WA ICR	
BREMERTON	S103510333	US POSTAL SERVICE WYCKOFF	N. WYCKOFF AVENUE	98312	WA ICR	
BREMERTON	S103512426	PUGET POWER - WYCKOFF SUBSTATION	N. WYCKOFF AVE. BETWEEN 13TH	98312	WA ICR	
BREMERTON	1000839241	USN PSNS 1ST LT DIV CODE 8112	314 WYCKOFF	98314	RCRIS-SQG, FINDS	

EPA Waste Codes Addendum

Code	Description
D001	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
D002	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
D003	A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
D004	ARSENIC
D005	BARIUM
D006	CADMIUM
D007	CHROMIUM
D008	LEAD
D009	MERCURY
D010	SELENIUM
D011	SILVER
D013	LINDANE
D018	BENZENE
D019	CARBON TETRACHLORIDE
D020	CHLORDANE
D021	CHLOROBENZENE
D022	CHLOROFORM
D025	P-CRESOL

EPA Waste Codes Addendum

Code	Description
D026	CRESOL
D027	1,4-DICHLOROBENZENE
D032	HEXACHLOROBENZENE
D035	METHYL ETHYL KETONE
D038	PYRIDINE
D039	TETRACHLOROETHYLENE
D040	TRICHLOROETHYLENE
D043	VINYL CHLORIDE
F001	THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F002	THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F003	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F005	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F006	WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN

EPA Waste Codes Addendum

Code	Description
	PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.
F007	SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS
F008	PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.
F009	SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.
P022	CARBON DISULFIDE
P042	1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)-
P042	EPINEPHRINE
P081	NITROGLYCERINE (R)
P081	1,2,3-PROPANETRIOL, TRINITRATE (R)
P099	ARGENTATE(1-), BIS(CYANO-C)-, POTASSIUM
P099	POTASSIUM SILVER CYANIDE
P104	SILVER CYANIDE
P104	SILVER CYANIDE AG(CN)
P108	STRYCHNIDIN-10-ONE, & SALTS
P108	STRYCHNINE, & SALTS
U002	ACETONE (I)
U002	2-PROPANONE (I)
U003	ACETONITRILE (I,T)
U028	1,2-BENZENEDICARBOXYLIC ACID, BIS(2-ETHYLHEXYL) ESTER
U028	DIETHYLHEXYL PHTHALATE
U031	1-BUTANOL (I)
U031	N-BUTYL ALCOHOL (I)
U044	CHLOROFORM
U044	METHANE, TRICHLORO-
U072	BENZENE, 1,4-DICHLORO-

EPA Waste Codes Addendum

Code	Description
U072	P-DICHLOROBENZENE
U080	METHANE, DICHLORO-
U080	METHYLENE CHLORIDE
U095	[1,1'-BIPHENYL]-4,4'-DIAMINE, 3,3'-DIMETHYL-
U095	3,3'-DIMETHYLBENZIDINE
U112	ACETIC ACID ETHYL ESTER (I)
U112	ETHYL ACETATE (I)
U123	FORMIC ACID (C,T)
U129	CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA,2ALPHA,3BETA,4ALPHA,5ALPHA,6BETA)-
U129	LINDANE
U133	HYDRAZINE (R,T)
U154	METHANOL (I)
U154	METHYL ALCOHOL (I)
U188	PHENOL
U205	SELENIUM SULFIDE
U205	SELENIUM SULFIDE SES2 (R,T)
U210	ETHENE, TETRACHLORO-
U210	TETRACHLOROETHYLENE
U213	FURAN, TETRAHYDRO-(I)
U213	TETRAHYDROFURAN (I)
U219	THIOUREA
U220	BENZENE, METHYL-
U220	TOLUENE
U226	ETHANE, 1,1,1-TRICHLORO-
U226	METHYL CHLOROFORM
U239	BENZENE, DIMETHYL- (I,T)
U239	XYLENE (I)

EPA Waste Codes Addendum

Code	Description
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U359	ETHANOL, 2-ETHOXY-
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U359	ETHYLENE GLYCOL MONOETHYL ETHER
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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).

Date of Government Version: 06/13/00

Date Made Active at EDR: 07/06/00

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 06/27/00

Elapsed ASTM days: 9

Date of Last EDR Contact: 11/06/00

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: 04/16/00

Date Made Active at EDR: 08/16/00

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 06/05/00

Elapsed ASTM days: 72

Date of Last EDR Contact: 08/28/00

CERCLIS-NFRAP: 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.

Date of Government Version: 04/16/00

Date Made Active at EDR: 08/16/00

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 06/05/00

Elapsed ASTM days: 72

Date of Last EDR Contact: 08/28/00

CORRACTS: Corrective Action Report

Source: EPA

Telephone: 800-424-9346

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 04/20/00

Date Made Active at EDR: 08/01/00

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 06/12/00

Elapsed ASTM days: 50

Date of Last EDR Contact: 09/12/00

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).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/21/00
Date Made Active at EDR: 07/31/00
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 07/10/00
Elapsed ASTM days: 21
Date of Last EDR Contact: 11/09/00

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: Quarterly

Date of Data Arrival at EDR: 08/11/00
Elapsed ASTM days: 26
Date of Last EDR Contact: 10/31/00

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: 12/31/97
Database Release Frequency: Biennially

Date of Last EDR Contact: 09/18/00
Date of Next Scheduled EDR Contact: 12/18/00

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.

Date of Government Version: 01/31/99
Database Release Frequency: Annually

Date of Last EDR Contact: 10/12/00
Date of Next Scheduled EDR Contact: 01/08/01

DELISTED NPL: NPL 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: 06/13/00
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 11/06/00
Date of Next Scheduled EDR Contact: 02/05/01

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).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/07/00
Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/10/00
Date of Next Scheduled EDR Contact: 01/08/01

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: 06/30/99
Database Release Frequency: Annually

Date of Last EDR Contact: 10/24/00
Date of Next Scheduled EDR Contact: 01/22/01

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: 04/23/00
Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/10/00
Date of Next Scheduled EDR Contact: 01/08/01

MINES: Mines Master Index File

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

Date of Government Version: 08/01/98
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 10/02/00
Date of Next Scheduled EDR Contact: 01/01/01

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.

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

Date of Last EDR Contact: 08/21/00
Date of Next Scheduled EDR Contact: 11/20/00

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: 01/01/00
Database Release Frequency: Annually

Date of Last EDR Contact: 08/15/00
Date of Next Scheduled EDR Contact: 11/13/00

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: 09/12/00
Date of Next Scheduled EDR Contact: 12/11/00

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 12/31/97

Database Release Frequency: Annually

Date of Last EDR Contact: 09/25/00

Date of Next Scheduled EDR Contact: 12/25/00

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: 09/12/00

Date of Next Scheduled EDR Contact: 12/11/00

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: 05/25/00

Date Made Active at EDR: 06/28/00

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 06/05/00

Elapsed ASTM days: 23

Date of Last EDR Contact: 08/21/00

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: 08/29/00

Date Made Active at EDR: 10/10/00

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 09/12/00

Elapsed ASTM days: 28

Date of Last EDR Contact: 09/12/00

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: 09/01/99

Date Made Active at EDR: 11/11/99

Database Release Frequency: Annually

Date of Data Arrival at EDR: 11/03/99

Elapsed ASTM days: 8

Date of Last EDR Contact: 10/13/00

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/15/00
Date Made Active at EDR: 09/01/00
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 07/31/00
Elapsed ASTM days: 32
Date of Last EDR Contact: 10/30/00

UST: Underground Storage Tank Database
Source: Department of Ecology
Telephone: 360-407-7170

Registered Underground Storage Tanks. USTs 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: 10/10/00
Date Made Active at EDR: 11/10/00
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 10/16/00
Elapsed ASTM days: 25
Date of Last EDR Contact: 10/30/00

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.

Date of Government Version: 08/31/00
Database Release Frequency: Quarterly

Date of Last EDR Contact: 08/22/00
Date of Next Scheduled EDR Contact: 11/20/00

AIR EMISSIONS: Washington Emissions Data System
Source: Department of Ecology
Telephone: 360-407-6040

Date of Government Version: 12/31/97
Database Release Frequency: Annually

Date of Last EDR Contact: 10/24/00
Date of Next Scheduled EDR Contact: 01/22/01

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

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: 06/13/00

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 10/24/00

Date of Next Scheduled EDR Contact: 01/22/01

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

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

NAVAL AVENUE/6TH STREET
NAVAL AVENUE/6TH STREET
BREMERTON, WA 98337

TARGET PROPERTY COORDINATES

Latitude (North):	47.567902 - 47° 34' 4.4"
Longitude (West):	122.644302 - 122° 38' 39.5"
Universal Transverse Mercator:	Zone 10
UTM X (Meters):	526755.2
UTM Y (Meters):	5268118.5

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-E6 BREMERTON WEST, WA
Source: USGS 7.5 min quad index

GENERAL TOPOGRAPHIC GRADIENT AT TARGET PROPERTY

Target Property: General East

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
KITSAP, WA

FEMA Q3 Flood
Data Electronic Coverage
YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property:
Additional Panels in search area:

5300930015A / CBPP
5300920305B / CBPP
5300920315B / CBPP
5300940005B / CBPP

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property
BREMERTON WEST

NWI Electronic
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 West
Site Name: KITSAP CO - VIP LDFL
Site EPA ID Number: WAD980639892
Groundwater Flow Direction: N
Inferred Depth to Water: 77 feet
Hydraulic Connection: The site is located in a geologic kettle and the ground water table is below the bottom of the kettle. A hardpan layer beneath the kettle represents a probable barrier to downward ground water flow.
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.

<u>MAP ID</u>	<u>LOCATION</u> <u>FROM TP</u>	<u>GENERAL DIRECTION</u> <u>GROUNDWATER FLOW</u>
Not Reported		

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.

GEOLOGIC AGE IDENTIFICATION

Geologic Code: Q
Era: Cenozoic
System: Quaternary
Series: Quaternary

ROCK STRATIGRAPHIC UNIT

Category: Stratified Sequence

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

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.

* 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

Soil Component Name: HARSTINE

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: HIGH

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

Soil Layer Information						
Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)
1	0 inches	5 inches	gravelly - sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COURSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 2.00 Min: 0.60
2	5 inches	31 inches	gravelly - sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COURSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 2.00 Min: 0.60
3	31 inches	35 inches	cemented	Not reported	Not reported	Max: 0.00 Min: 0.00

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: very gravelly - sandy loam
loamy sand
fine sandy loam
gravelly - loamy sand
loam

Surficial Soil Types: very gravelly - sandy loam
loamy sand
fine sandy loam
gravelly - loamy sand
loam

Shallow Soil Types: No Other Soil Types

Deeper Soil Types: very gravelly - sand

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

sand
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>
A2	473423122384001	1/4 - 1/2 Mile North
B3	473334122384501	1/2 - 1 Mile South
C6	473337122381401	1/2 - 1 Mile SSE
D9	473355122372501	1/2 - 1 Mile East

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

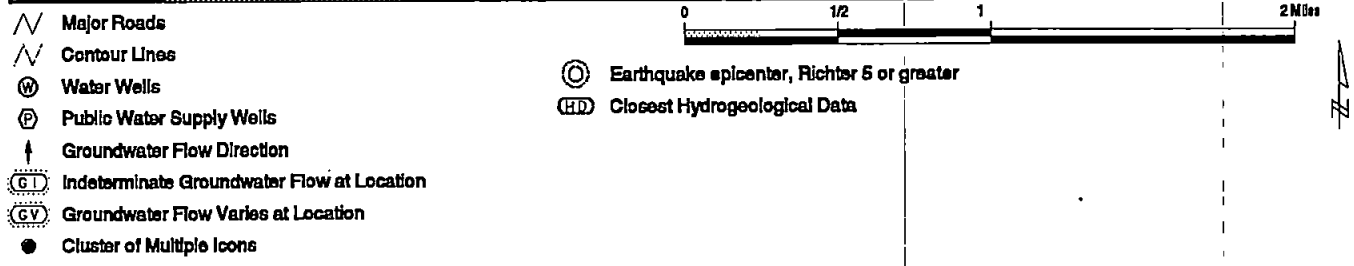
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
5	WA5302786	1/2 - 1 Mile East

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

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	473423122384001	1/4 - 1/2 Mile North
B4	473334122384501	1/2 - 1 Mile South
C7	473337122381401	1/2 - 1 Mile SSE
D8	473355122372501	1/2 - 1 Mile East

PHYSICAL SETTING SOURCE MAP - 573932.3s



TARGET PROPERTY: ADDRESS: CITY/STATE/ZIP: LAT/LONG:	Naval Avenue/6th Street Naval Avenue/6th Street Bremerton WA 98337 47.5679 / 122.6443	CUSTOMER: CONTACT: INQUIRY #: DATE:	Kane Environmental Inc. John Kane 573932.3s December 12, 2000 7:18 pm
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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A1

North
1/4 - 1/2 Mile
Higher

WA WELLS 473423122384001

Site Information:

Site ID:	473423122384001	Start Card #:	Not Reported
Old Site ID:	473423122384001		
Agency:	USGS	Transaction Code:	Not Reported
Project #:	Not Reported	Local #:	24N/01E-14F01
Latitude:	473423.000	Longitude:	1223840.000
Lat/Long Accuracy:	accurate to +10 second	Owner ID:	Not Reported
Lambert Coordinate North:	214293.00	Lambert Coordinate East:	1552966.00
Field Checked:	Not Reported	Remarks:	Not Reported
Site State:	Washington	Site County:	Kitsap
Location Map:	Not Reported	Map Scale:	Not Reported
Altitude (in feet):	140.00	Alt. Measurement Method:	Interpolation from topographic map
Altitude Accuracy:	10	Hydrologic Unit Code:	17110019
Use of Site:	Withdrawal of Water	Secondary use:	Not Reported
Tertiary use:	Not Reported	Use of Water:	Domestic
Second. Water use:	Not Reported	Tertiary Water Use:	Not Reported
Local Name:	Not Reported		
Establishment Date:	Not Reported	Data Reliability:	The data has been field checked
Station Type: Y		Date of first construction:	01/01/1932
Primary Aquifer:	Not Reported	Aquifer Type:	Not Reported
Inventory Water Level:	127.00	Date Inven. Water measured:	Not Reported
Well Depth (in feet):	135.00	Hole Depth (in feet):	Not Reported
Depth Data Source:	Not Reported		
Site Type:	Well, for single wells other than wells of collector or Ranney type		
Site Status:	Not Reported		
Lead Agency Use of Site:	Not Reported		
Source of water level data:	Reported by owner of well		
Transaction Date:	02/01/1988		

Construction Information:

Name of Driller:	Not Reported	Completion Date:	1932
Type of Finish:	Open end	Type of Seal:	Not Reported
Depth to Seal Bottom (in feet):	Not Reported	Method of Development:	Not Reported
Hours of Development:	Not Reported	Special Treatment:	Not Reported
Method of Construction:	Dug	Transaction Date:	02/01/1988
Construction Data Source:	Not Reported		

A2

North
1/4 - 1/2 Mile
Higher

FED USGS 473423122384001

BASIC WELL DATA

Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	1932	County:	Not Reported
Altitude:	135.00 ft.	State:	Not Reported
Well Depth:	135.00 ft.	Topographic Setting:	Not Reported
Depth to Water Table:	127.00 ft.	Prim. Use of Site:	Withdrawal of water
Date Measured:	Not Reported	Prim. Use of Water:	Domestic

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

B3
South
1/2 - 1 Mile
Lower

FED USGS 473334122384501

BASIC WELL DATA

Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	1942	County:	Not Reported
Altitude:	20.00 ft.	State:	Not Reported
Well Depth:	1315.00 ft.	Topographic Setting:	Not Reported
Depth to Water Table:	28.00 ft.	Prim. Use of Site:	Unused
Date Measured:	07011942	Prim. Use of Water:	Unused

B4
South
1/2 - 1 Mile
Lower

WA WELLS 473334122384501

Site Information:

Site ID:	473334122384501	Start Card #:	Not Reported
Old Site ID:	473334122384501	Transaction Code:	Modify
Agency:	USGS	Local #:	24N01E-23E01
Project #:	Not Reported	Longitude:	1223847.000
Latitude:	473334.000	Owner ID:	Not Reported
Lat/Long Accuracy:	Not Reported	Lambert Coordinate East:	1552370.00
Lambert Coordinate North:	209341.00	Remarks:	SCEEVA PAPER 1942 DRILLED
Field Checked:	Not Reported	Site County:	Kitsap
Site State:	Washington	Map Scale:	24000
Location Map:	BREMERTON WEST	Alt. Measurement Method:	Interpolation from topographic map
Altitude (in feet):	30.00	Hydrologic Unit Code:	Not Reported
Altitude Accuracy:	10	Secondary use:	Not Reported
Use of Site:	Standby Emergency Supply	Use of Water:	Public Supply
Tertiary use:	Not Reported	Tertiary Water Use:	Not Reported
Second. Water use:	Not Reported		
Local Name:	US NAVY		
Establishment Date:	10/24/1988	Data Reliability:	not field checked, but considered reliable
Station Type:	Ground water other than Spring	Date of first construction:	00/00/1942
Primary Aquifer:	Not Reported	Aquifer Type:	Not Reported
Inventory Water Level:	Not Reported	Date Inven. Water measured:	Not Reported
Well Depth (in feet):	2000.00	Hole Depth (in feet):	2000.00
Depth Data Source:	Reported by another government agency		
Site Type:	Well, for single wells other than wells of collector or Ranney type		
Site Status:	Not Reported		
Lead Agency Use of Site:	Inventory data site only (no data has been collected at this site)		
Source of water level data:	Not Reported		
Transaction Date:	01/05/1990		

5
East
1/2 - 1 Mile
Lower

FRDS PWS WA5302786

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

PWS ID: WA5302786 PWS Status: Active
Date Initiated: Not Reported Date Deactivated: Not Reported
PWS Name: BELWOOD LP#1
BREMERTON, WA 98312

Addressee / Facility: Not Reported

Facility Latitude: 47 34 03 Facility Longitude: 122 37 53
City Served: Not Reported
Treatment Class: Treated Population: 250

PWS currently has or had major violation(s) or enforcement: No

C6
SSE
1/2 - 1 Mile
Lower

FED USGS 473337122381401

BASIC WELL DATA

Site Type:	Single well, other than collector or Ranney type	County:	Not Reported
Year Constructed:	Not Reported	State:	Not Reported
Altitude:	20.00 ft.	Topographic Setting:	Not Reported
Well Depth:	748.00 ft.	Prim. Use of Site:	Not Reported
Depth to Water Table:	Not Reported	Prim. Use of Water:	Not Reported
Date Measured:	Not Reported		

C7
SSE
1/2 - 1 Mile
Lower

WA WELLS 473337122381401

Site Information:

Site ID:	473337122381401	Start Card #:	Not Reported
Old Site ID:	473337122381401	Transaction Code:	Not Reported
Agency:	USGS	Local #:	24N/01E-23B01
Project #:	Not Reported	Longitude:	1223814.000
Latitude:	473337.000	Owner ID:	Not Reported
Lat/Long Accuracy:	accurate to +1 minute	Lambert Coordinate East:	1554640.00
Lambert Coordinate North:	209592.00	Remarks:	Not Reported
Field Checked:	Not Reported	Site County:	Kitsap
Site State:	Washington	Map Scale:	Not Reported
Location Map:	Not Reported	Alt. Measurement Method:	Interpolation from topographic map
Altitude (in feet):	20.00	Hydrologic Unit Code:	17110019
Altitude Accuracy:	10	Secondary use:	Not Reported
Use of Site:	Not Reported	Use of Water:	Not Reported
Tertiary use:	Not Reported	Tertiary Water Use:	Not Reported
Second. Water use:	Not Reported		
Local Name:	Not Reported		
Establishment Date:	Not Reported	Data Reliability:	The data has been field checked
Station Type: Y		Date of first construction:	Not Reported
Primary Aquifer:	Not Reported	Aquifer Type:	Not Reported
Inventory Water Level:	Not Reported	Date Inven. Water measured:	Not Reported
Well Depth (in feet):	748.00	Hole Depth (in feet):	Not Reported
Depth Data Source:	Not Reported		
Site Type:	Well, for single wells other than wells of collector or Ranney type		
Site Status:	The site w		
Lead Agency Use of Site:	Not Reported		
Source of water level data:	Not Reported		
Transaction Date:	02/01/1988		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

D8
East
1/2 - 1 Mile
Lower

WA WELLS 473355122372501

Site Information:

Site ID:	473355122372501	Start Card #:	Not Reported
Old Site ID:	473355122372501	Transaction Code:	Not Reported
Agency:	USGS	Local #:	24N/01E-13N01
Project #:	Not Reported	Longitude:	1223725.000
Latitude:	473355.000	Owner ID:	Not Reported
Lat/Long Accuracy:	accurate to +1 second	Lambert Coordinate East:	1558042.00
Lambert Coordinate North:	211337.00	Remarks:	Not Reported
Field Checked:	Not Reported	Site County:	Kitsap
Site State:	Washington	Map Scale:	Not Reported
Location Map:	Not Reported	Alt. Measurement Method:	Interpolation from topographic map
Altitude (in feet):	60.00	Hydrologic Unit Code:	17110019
Altitude Accuracy:	20	Secondary use:	Not Reported
Use of Site:	Destroyed	Use of Water:	Unused
Tertiary use:	Not Reported	Tertiary Water Use:	Not Reported
Second. Water use:	Not Reported	Data Reliability:	The data has been field checked
Local Name:	Not Reported	Date of first construction:	01/01/1925
Establishment Date:	Not Reported	Aquifer Type:	Not Reported
Station Type: Y		Date Inven. Water measured:	Not Reported
Primary Aquifer:	Not Reported	Hole Depth (in feet):	Not Reported
Inventory Water Level:	Not Reported		
Well Depth (in feet):	65.00		
Depth Data Source:	Not Reported		
Site Type:	Well, for single wells other than wells of collector or Ranney type		
Site Status:	Not Reported		
Lead Agency Use of Site:	Not Reported		
Source of water level data:	Not Reported		
Transaction Date:	02/01/1988		

Construction Information:

Name of Driller:	Not Reported	Completion Date:	1925
Type of Finish:	Not Reported	Type of Seal:	Not Reported
Depth to Seal Bottom (in feet):	Not Reported	Method of Development:	Not Reported
Hours of Development:	Not Reported	Special Treatment:	Not Reported
Method of Construction:	Dug	Transaction Date:	02/01/1988
Construction Data Source:	Not Reported		

D9
East
1/2 - 1 Mile
Lower

FED USGS 473355122372501

BASIC WELL DATA

Site Type:	Single well, other than collector or Ranney type	County:	Not Reported
Year Constructed:	1925	State:	Not Reported
Altitude:	50.00 ft.	Topographic Setting:	Hillside (slope)
Well Depth:	65.00 ft.	Prim. Use of Site:	Destroyed
Depth to Water Table:	Not Reported	Prim. Use of Water:	Unused
Date Measured:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for KITSAP 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.

KITSAP COUNTY, WA

Number of sites tested: 21

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.143 pCi/L	100%	0%	0%
Living Area - 2nd Floor	0.400 pCi/L	100%	0%	0%
Basement	0.647 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^R Information System

Source: EDR proprietary database of groundwater flow information

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

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

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

STATSGO: State Soil Geographic Database

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

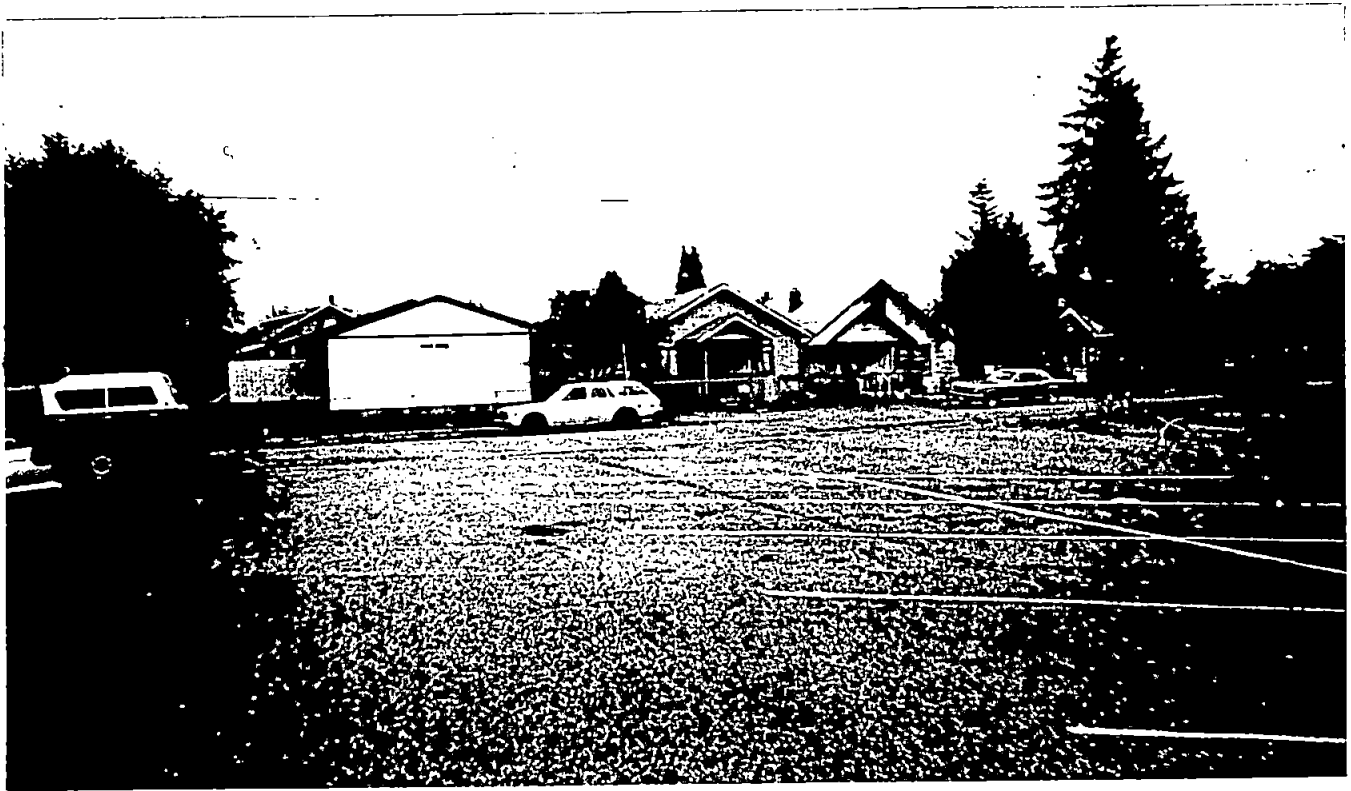
Area Radon Information: The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented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

Attachment B
Photographs



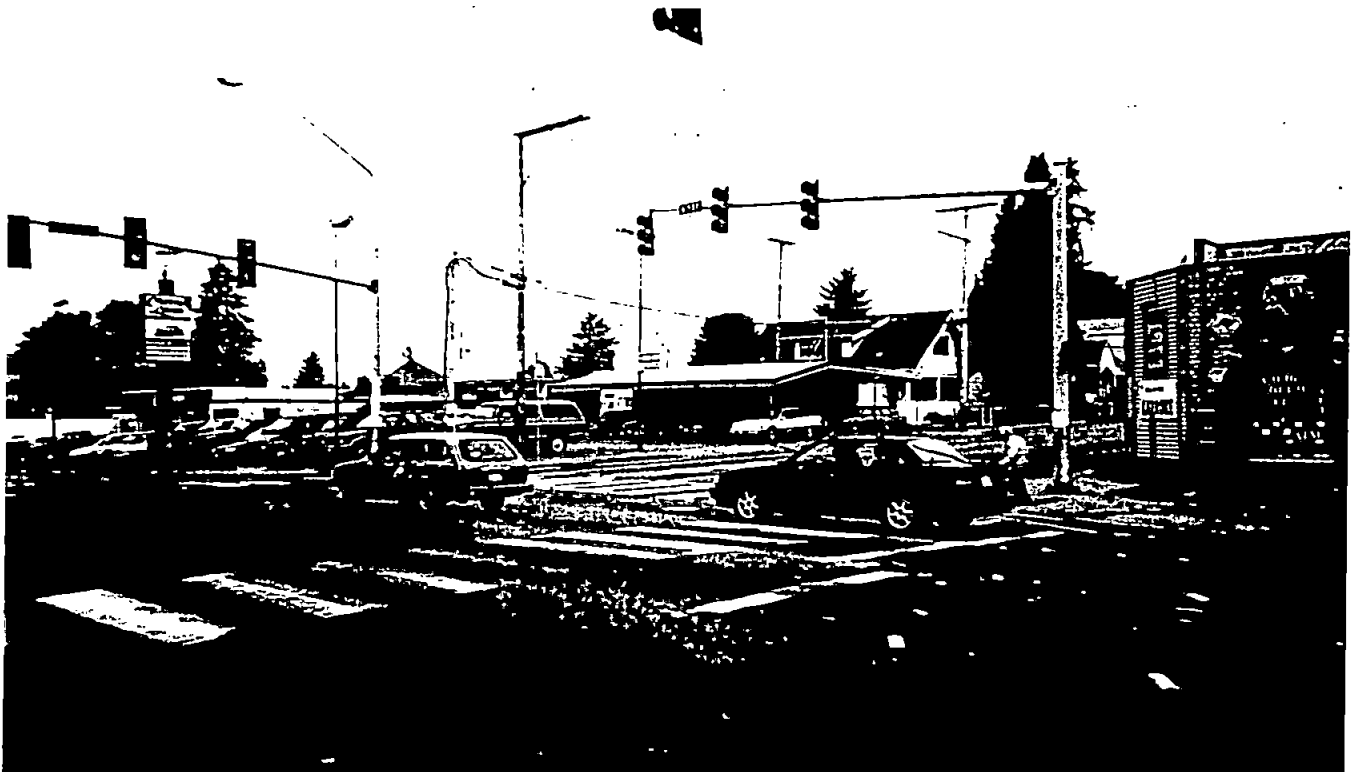
Photograph 1. Residential properties north of the Pour House Tavern



Photograph 2. Baskin Robbins east of the Property across Roosevelt Avenue



Photograph 3. Chevron south of Property across 6th Street.



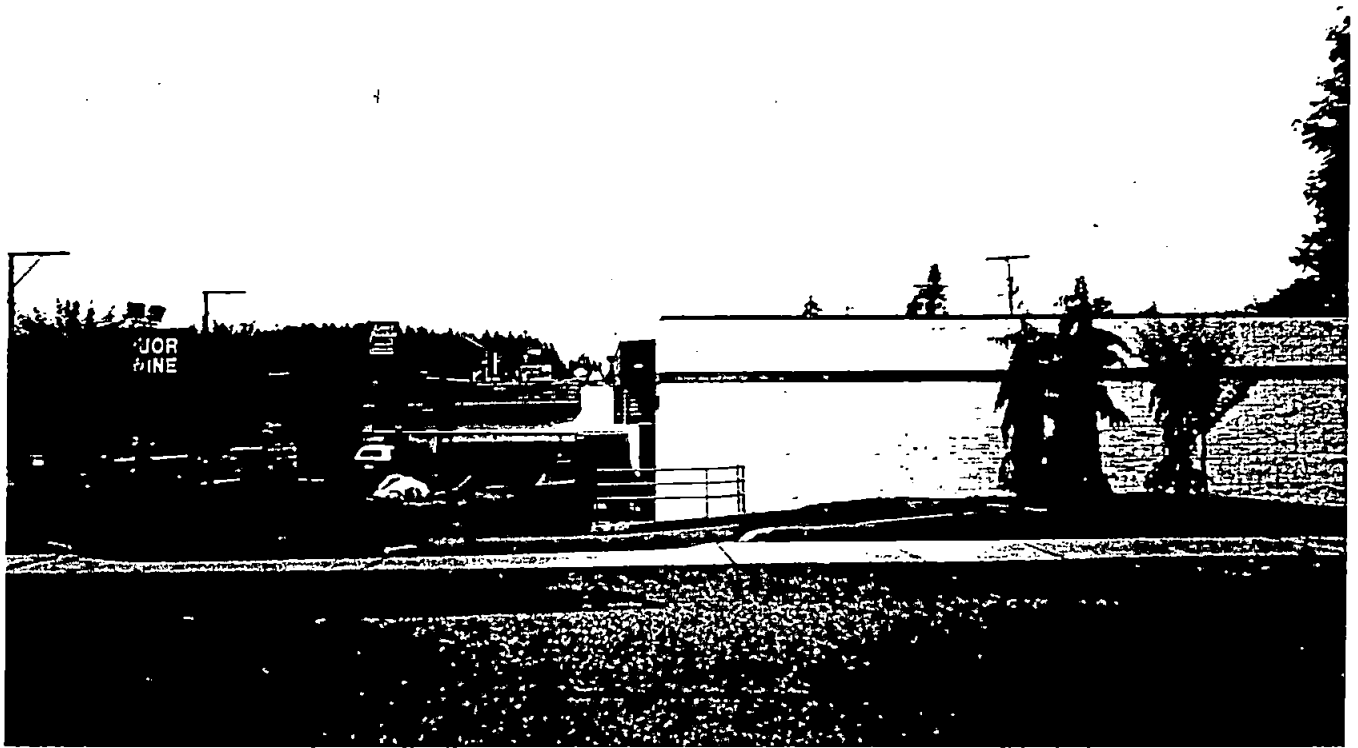
Photograph 4. Auto dealership west of Property across Naval Avenue.



Photograph 5. Vacant House.



Photograph 6. Yellow House and Blue House



Photograph 7. Looking west across Roosevelt Ave. toward liquor store



Photograph 8. Kings Pavilion Restaurant and Pour House Tavern.

Attachment C
Limited Phase II Investigation
Analytical Data & Borehole Logs

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES NORTHWEST, INC.

800 Sleater-Kinney SE, PMB #262
Lacey, Washington 98503-1127

Mobile Environmental Laboratories
Environmental Sampling Services

Telephone: 360-459-4670
Fax: 360-459-3432

December 29, 2000

John Kane
Kane Environmental, Inc.
2415 7th Avenue West
Seattle, WA 98119

Dear Mr. Kane:

Please find enclosed the analytical data report for the 6th & Naval Project in Bremerton, Washington. Direct Push services were conducted on December 15, 2000. Soil samples were analyzed for Diesel and Oil by NWTPH-Dx/Dx Extended, Gasoline by NWTPH-Gx, Specific Halogenated Hydrocarbons and BTEX by Method 8021B, and RCRA 8 Metals by Method 7000 series on December 18 – 20, 2000.

The results of these analyses are summarized in the attached tables. All soil values are reported on a dry weight basis. Applicable detection limits and QA/QC data are included. An invoice for this work is also enclosed.

TEG Northwest appreciates the opportunity to have provided analytical services to Kane Environmental, Inc. for this project. It was a pleasure working with you, and we are looking forward to the next opportunity to work together.

Sincerely,



Michael A. Korosec
President

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES NORTHWEST, INC.

Bremerton, Washington
Kane Environmental, Inc
6TH & NAVAL AVE. PROJECT

Heavy Metals in Soil by EPA-7000 Series

Sample Number	Date Analyzed	Lead (Pb)	Cadmium (Cd)	Chromium (Cr)	Arsenic (As)	Silver (Ag)	Barium (Ba)	Selenium (Se)	Mercury (Hg)
		EPA 7420 (mg/kg)	EPA 7130 (mg/kg)	EPA 7190 (mg/kg)	EPA 7061 (mg/kg)	EPA 7760 (mg/kg)	EPA 7080 (mg/kg)	EPA 7741 (mg/kg)	EPA 7471 (mg/kg)
Method Blank	12/20/00	nd	nd	nd	nd	nd	nd	nd	nd
KP-SB-1:10	12/20/00	13	nd	nd	nd	nd	nd	nd	nd
Method Detection Limits		5	1	20	5	50	50	50	0.5

"nd" Indicates not detected at listed detection limits.

ANALYSES PERFORMED BY: Tim McCall

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES NORTHWEST, INC.

Bremerton, Washington
Kane Environmental, Inc
6TH & NAVAL AVE. PROJECT

QA/QC Data - Total Metals EPA-7000 Series Analyses

Sample Number: SO1212-1 (GP24/S-2)							
Matrix Spike			Matrix Spike Duplicate			RPD	
Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)		
Lead	250	190	76	250	188	75	1.06
Cadmium	25	27	108	25	26	104	3.77
Chromium	250	253	101	250	272	109	7.24
Arsenic	63	43	68	63	44	70	2.30

Laboratory Control Sample			
Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	
Lead	250	194	78
Cadmium	25	25	100
Chromium	250	275	110
Arsenic	63	48	76

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%
ACCEPTABLE RPD IS 20%

ANALYSES PERFORMED BY: Tim McCall

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES NORTHWEST, INC.

6TH & NAVAL AVE. PROJECT
Bremerton, Washington
Kane Environmental, Inc.

Analyses of Gasoline (NWTPH-Gx) & BTEX (EPA Method 8021B) in Soil

Sample Number	Date Analyzed	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Gasoline (mg/kg)	Surrogate Recovery (%)
Method Blank	12/18/00	nd	nd	nd	nd	nd	116
KP-SB-1:5-6	12/18/00	---	---	---	---	nd	90
KP-SB-1:10	12/18/00	---	---	---	---	nd	102
KP-SB-1:12	12/18/00	nd	nd	nd	nd	nd	82
KP-SB-1:16	12/18/00	---	---	---	---	nd	88
Method Detection Limits		0.05	0.05	0.05	0.05	10	

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Chlorobenzene): 65% TO 135%

ANALYSES PERFORMED BY: Tim McCall

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES NORTHWEST, INC.

6TH & NAVAL AVE. PROJECT
Bremerton, Washington
Kane Environmental, Inc.

Analyses of Diesel & Oil (NWTPH-Dx/Dx Extended) in Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Diesel (mg/kg)	Oil (mg/kg)
Method Blank	12/18/00	119	nd	nd
Method Blank	12/19/00	127	nd	nd
PH-SB-1:16	12/18/00	84	nd	380
KP-SB-1:5-6	12/18/00	int	7700	nd
KP-SB-1:10	12/18/00	int	7200	nd
KP-SB-1:12	12/19/00	int	2500	nd
KP-SB-1:16	12/19/00	66	nd	nd
PH-SB-2:10	12/18/00	80	nd	520
PH-SB-2:12	12/18/00	106	nd	720
PH-SB-2:16	12/18/00	87	nd	nd
VH-SB-1:12	12/19/00	88	nd	nd
VH-SB-2:8	12/19/00	85	nd	nd
Method Detection Limits			20	40

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 65% TO 135%

ANALYSES PERFORMED BY: Tim McCall

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES NORTHWEST, INC.

6TH & NAVAL AVE. PROJECT

Bremerton, Washington

Kane Environmental, Inc.

Specific Halogenated and Aromatic Hydrocarbons (EPA 8021B) in Soil

Sample Description	Method	KP-SP-1:16	
	Blank		
Date Sampled			
Date Analyzed	12/19/00	12/19/00	
	MDL		
	(mg/kg)	(mg/kg)	(mg/kg)
Vinyl chloride	0.25	nd	nd
Benzene	0.05	nd	nd
Toluene	0.05	nd	nd
Ethylbenzene	0.05	nd	nd
Total Xylenes	0.05	nd	nd
1,1-Dichloroethene	0.05	nd	nd
Methylene chloride	0.05	nd	nd
<i>trans</i> -1,2-Dichloroethene	0.05	nd	nd
1,1-Dichloroethane	0.05	nd	nd
<i>cis</i> -1,2-Dichloroethene	0.05	nd	nd
Chloroform	0.05	nd	nd
1,1,1-Trichloroethane (TCA)	0.05	nd	nd
Carbon tetrachloride	0.05	nd	nd
1,2-Dichloroethane	0.05	nd	nd
Trichloroethene (TCE)	0.05	nd	nd
1,1,2-Trichloroethane	0.05	nd	nd
Tetrachloroethene (PCE)	0.05	nd	nd
1,1,1,2-Tetrachloroethane	0.05	nd	nd
1,1,2,2-Tetrachloroethane	0.05	nd	nd
Surrogate Recovery (%)	106	91	

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Chlorobenzene): 65%- 135%

ANALYSES PERFORMED BY: Tim McCall

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES NORTHWEST, INC.

6TH & NAVAL AVE. PROJECT
Bremerton, Washington
Kane Environmental, Inc.

QA/QC Data - EPA 8021B Analyses

Sample Description: 001128-8 (SP30-20)			
Matrix Spike			
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)
Benzene	1.00	0.86	86
Toluene	1.00	1.08	108
1,1-Dichloroethene	1.00	0.84	84
Trichloroethene (TCE)	1.00	1.13	113
Surrogate Spike			102

Laboratory Control Sample			
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)
Benzene	1.00	0.94	94
Toluene	1.00	1.09	109
1,1-Dichloroethene	1.00	0.80	80
Trichloroethene (TCE)	1.00	0.94	94
Surrogate Spike			99

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 80%-120%
ACCEPTABLE RPD IS 20%

ANALYSES PERFORMED BY: Tim McCall
DATA REVIEWED BY: Sherry Chilcutt



TRANSGLOBAL
ENVIRONMENTAL
GEOSCIENCES

CHAIN-OF-CUSTODY RECORD

CLIENT: <u>Kam Environmental Inc</u> ADDRESS: <u>2415 7th Ave West Seattle WA 98115</u> PHONE: <u>206-691-0476</u> FAX: <u>206-691-0479</u> CLIENT PROJECT #: _____ PROJECT MANAGER: <u>J. Kam</u>	DATE: <u>12/15/00</u> PAGE <u>1</u> OF <u>1</u> PROJECT NAME: <u>6th & Nord Ave</u> LOCATION: <u>Bremerton</u> COLLECTOR: <u>J. Kam</u> DATE OF COLLECTION: _____
--	---

Sample Number	Depth	Time	Sample Type	Container Type	ANALYSES														NOTES	Total Number of Containers	Laboratory Note Number		
					VOA 8010/8021B	VOA 8021B BTEX	VOA 8260	SEMI VOL 8270	TPH - HC10	TPH 8015 (gasoline)	TPH 8015 (diesel)	PAH 8100	PCBs 8082	Pesticides 8081	TOTAL LEAD	pH	BTEX	Total PCB PAH					
1. PH-SB-1: 16'		12:40	S	1							X												
2. KP-SB-1: 5-6'		13:00	S	1						X	X												
3. KP-SB-1: 10'		13:05	S	1						X	X												
4. KP-SB-1: 12'		13:10	S	1	X					X	X						X	X					
5. KP-SB-1: 16'		13:15	S	1						X	X												
6. PH-SB-2: 10'		13:30	S	1							X												
7. PH-SB-2: 12'		13:35	S	1							X												
8. PH-SB-2: 16'		13:40	S	1							X												
9. VH-SB-1: 12'		14:10	S	1							X												
10. VH-SB-2: 8'		14:40	S	1							X												
11.																							
12.																							
13.																							
14.																							
15.																							
16.																							
17.																							
18.																							

RELINQUISHED BY (Signature): <u>J. R. Kane</u> RELINQUISHED BY (Signature): _____	DATE/TIME: <u>12-15-00 15:00</u> DATE/TIME: _____	RECEIVED BY (Signature): <u>[Signature]</u> RECEIVED BY (Signature): _____	DATE/TIME: <u>12/15/00 15:00</u> DATE/TIME: _____	SAMPLE RECEIPT TOTAL NUMBER OF CONTAINERS: _____ CHAIN OF CUSTODY SEALS Y/N/NA: _____ SEALS INTACT? Y/N/NA: _____ RECEIVED GOOD COND./COLD: _____ NOTES: _____	LABORATORY NOTES: Turn Around Time: _____
SAMPLE DISPOSAL INSTRUCTIONS <input type="checkbox"/> TEG DISPOSAL @ \$2.00 each <input type="checkbox"/> Return <input type="checkbox"/> Pickup					



January 4, 2001

Charles Cacek
Adapt Engineering
800 Maynard Avenue S, Suite 403
Seattle, WA 98134

Re: Analytical Data for Project WA00-5671
Laboratory Reference No. 0012-163

Dear Charles:

Enclosed are the analytical results and associated quality control data for samples submitted on December 22, 2000.

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,

A handwritten signature in black ink, appearing to read "David Baumeister", is written over a horizontal line.

David Baumeister
Project Manager

Enclosures

Date of Report: January 4, 2001
Samples Submitted: December 22, 2000
Lab Traveler: 12-163
Project: WA00-5671

NWTPH-Gx/BTEX

Date Extracted: 12-29-00
Date Analyzed: 12-29-00

Matrix: Soil
Units: mg/Kg (ppm)

Client ID: HB-1/4'-4 1/2'
Lab ID: 12-163-01

HB-3/3 1/2-4'
12-163-03

	Result	Flags	PQL	Result	Flags	PQL
Benzene	ND		0.058	ND		0.056
Toluene	ND		0.058	ND		0.056
Ethyl Benzene	ND		0.058	ND		0.056
m,p-Xylene	ND		0.058	ND		0.056
o-Xylene	ND		0.058	ND		0.056
TPH-Gas	ND		5.8	ND		5.6
Surrogate Recovery: Fluorobenzene	94%			98%		

Date of Report: January 4, 2001
Samples Submitted: December 22, 2000
Lab Traveler: 12-163
Project: WA00-5671

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

Date Extracted: 12-29-00

Date Analyzed: 12-29-00

Matrix: Soil

Units: mg/Kg (ppm)

Lab ID: MB1229S2

	Result	Flags	PQL
Benzene	ND		0.050
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	98%		

Date of Report: January 4, 2001
Samples Submitted: December 22, 2000
Lab Traveler: 12-163
Project: WA00-5671

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

Date Extracted: 12-29-00
Date Analyzed: 1-2-01

Matrix: Soil
Units: mg/Kg (ppm)

Lab ID:	12-202-03 Original	12-202-03 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	100%	98%		

Date of Report: January 4, 2001
 Samples Submitted: December 22, 2000
 Lab Traveler: 12-163
 Project: WA00-5671

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

Date Extracted: 12-29-00
 Date Analyzed: 1-2-01

Matrix: Soil
 Units: mg/Kg (ppm)

Spike Level: 1.00 ppm

Lab ID:	12-171-03 MS	Percent Recovery	12-171-03 MSD	Percent Recovery	RPD	Flags
Benzene	0.914	91	0.904	90	1.0	
Toluene	0.953	95	0.941	94	1.2	
Ethyl Benzene	0.937	94	0.927	93	1.1	
m,p-Xylene	0.930	93	0.918	92	1.4	
o-Xylene	0.942	94	0.929	93	1.4	

Surrogate Recovery:

Fluorobenzene	91%	91%
---------------	-----	-----

Date of Report: January 4, 2001
Samples Submitted: December 22, 2000
Lab Traveler: 12-163
Project: WA00-5671

NWTPH-Dx

Date Extracted: 12-29-00
Date Analyzed: 12-29-00

Matrix: Soil
Units: mg/Kg (ppm)

Client ID:	HB-1/4'-4/2'	HB-2/3½'-4'	HB-3/3½'-4'
Lab ID:	12-163-01	12-163-02	12-163-03

Diesel Fuel:	ND	ND	ND
PQL:	29	29	28

Heavy Oil:	ND	ND	ND
PQL:	58	57	56

Surrogate Recovery:			
o-Terphenyl	75%	67%	76%

Flags:

Date of Report: January 4, 2001
Samples Submitted: December 22, 2000
Lab Traveler: 12-163
Project: WA00-5671

NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted: 12-29-00
Date Analyzed: 12-29-00

Matrix: Soil
Units: mg/Kg (ppm)

Lab ID: MB1229S1

Diesel Fuel: ND
PQL: 25

Heavy Oil: ND
PQL: 50

Surrogate Recovery:
o-Terphenyl 77%

Flags:

Date of Report: January 4, 2001
Samples Submitted: December 22, 2000
Lab Traveler: 12-163
Project: WA00-5671

NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted: 12-29-00
Date Analyzed: 12-29-00

Matrix: Soil
Units: mg/Kg (ppm)

Lab ID: 12-163-02 12-163-02 DUP

Diesel Fuel: ND ND
PQL: 25 25

RPD: N/A

Surrogate Recovery:
o-Terphenyl 67% 71%

Flags:

Date of Report: January 4, 2001
Samples Submitted: December 22, 2000
Lab Traveler: 12-163
Project: WA00-5671

% MOISTURE

Date Analyzed: 12-29-00

Client ID	Lab ID	% Moisture
HB-1/4'-4 1/2'	12-163-01	14
HB-2/3 1/2'-4'	12-163-02	13
HB-3/3'-4'	12-163-03	11



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



Environmental Inc.

14648 NE 95th Street • Redmond, WA 98052

Phone: (425) 883-3881 • Fax: (425) 885-4603

Chain of Custody

Page ____ of ____

Company:	ADAPT Engineering, Inc.
Project No.:	WA00-5671
Project Name:	Bremerton Save-On
Project Manager:	Charles Cacer

Turnaround Request
(in working days)

(Check One)

☐ Same Day ☐ 1 Day

☐ 2 Day ☐ 3 Day

☒ ~~Standard~~
(Hydrocarbon) analyses: 5 days,
All other analyses: 7 days)

☐ 12 / 1 / 3
(other)

Project Manager: DB	Laboratory No. 12-163
----------------------------	------------------------------

Requested Analysis					
					NWTPH-HCID
	X				NWTPH-Gx/BTEX
	X				NWTPH-Dx
					Volatiles by 8260B
					Halogenated Volatiles by 8260B
					Semivolatiles by 8270C
					PAHs by 8270C
					PCB's by 8082
					Pesticides by 8081
					Herbicides by 8151A
					Total RCRA Metals (8)
					Priority Pollutant Metals (13)
					TCLP Metals
					VPH
					EPH
					% Moisture

RELINQUISHED BY <i>[Signature]</i>	DATE 12/22/00	RECEIVED BY <i>[Signature]</i>	DATE 12/24/00
FIRM AD-PT	TIME	FIRM OST	TIME 2:25 PM
RELINQUISHED BY	DATE	RECEIVED BY	DATE
FIRM	TIME	FIRM	TIME

REVIEWED BY	DATE REVIEWED
-------------	---------------

COMMENTS:

Chromatographs with final report ☐

DISTRIBUTION LEGEND: White - OnSite Copy Yellow - Report Copy Pink - Client Copy



Environmental
Services Network

March 22, 2001

John Kane
Kane Environmental, Inc.
2415 7th Avenue West
Seattle, WA 98119

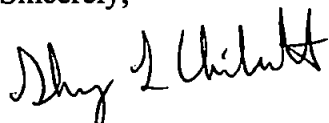
Dear Mr. Kane:

Please find enclosed the analytical data report for the Chico's Pourhouse Kings Project in Bremerton, Washington. Direct Push Probe Services were conducted on March 8, 2001. Soil samples were analyzed for Diesel and Oil by NWTPH-Dx/Dx Extended, Gasoline by NWTPH-Gx, PAH's by Method 8100, Ethylene/Glycol, Specific Halogenated Hydrocarbons and BTEX by Method 8021B, and RCRA 8 Metals by Method 7000 series on March 9 - 13, 2001.

The results of these analyses are summarized in the attached tables. All soil values are reported on a dry weight basis. Applicable detection limits and QA/QC data are included. An invoice for this work is also enclosed.

ESN Northwest appreciates the opportunity to have provided analytical services to Kane Environmental, Inc. for this project. It was a pleasure working with you, and we are looking forward to the next opportunity to work together.

Sincerely,



Sherry L. Chilcutt
Vice President

Please ignore the data that starts with "CA" in this data report. Soil borings were collected from two sites on the same day. The data starting with the PH (Pour House) and KP (King's Pavilion) are part of this VCP submittal.

ENVIRONMENTAL SERVICES NETWORK NORTHWEST, INC.

CHICO'S POOR HOUSE KINGS
Kane Environmentla, Inc.
Client Project #Bremerton, Washington

Analyses of Diesel & Oil (NWTPH-Dx/Dx Extended) in Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Diesel (mg/kg)	Oil (mg/kg)
Method Blank	3/12/01	117	nd	nd
CA-SB-5-S3	3/12/01	int	270	750
CA-SB-5-S7	3/12/01	102	nd	nd
CA-SB-6-S2	3/12/01	90	nd	nd
CA-SB-6-S6	3/12/01	99	nd	nd
CA-SB-7-S1	3/12/01	94	nd	8400
CA-SB-7-S6	3/12/01	94	nd	nd
CA-SB-7-S6 Dup.	3/12/01	102	nd	nd
PH-SB-3-S2	3/12/01	87	nd	nd
PH-SB-3-S4	3/12/01	97	nd	nd
PH-SB-4-S1	3/12/01	92	nd	nd
PH-SB-4-S4	3/12/01	102	nd	nd
KP-SB-2-S1	3/12/01	int	6900	nd
KP-SB-2-S4	3/12/01	85	nd	nd
KP-SB-3-S1	3/12/01	97	nd	nd
KP-SB-3-S4	3/12/01	104	nd	nd
Method Detection Limits			20	40

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt & Marilyn Farmer

ENVIRONMENTAL SERVICES NETWORK NORTHWEST, INC.

CHICO'S POOR HOUSE KINGS

Kane Environmental, Inc.

Client Project #Bremerton, Washington

Specific Halogenated and Aromatic Hydrocarbons (EPA 8021B) in Soil

Sample Description	Method	CA-SB	KP-SB	KP-SB
	Blank	7-S1	3-S1	2-S1
Date Sampled		3/8/01	3/8/01	3/8/01
Date Analyzed	3/13/01	3/13/01	3/13/01	3/13/01
	MDL			
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Vinyl chloride	0.25	nd	nd	nd
1,1-Dichloroethene	0.05	nd	nd	nd
Methylene chloride	0.05	nd	nd	nd
<i>trans</i> -1,2-Dichloroethene	0.05	nd	nd	nd
1,1-Dichloroethane	0.05	nd	nd	nd
<i>cis</i> -1,2-Dichloroethene	0.05	nd	nd	nd
Chloroform	0.05	nd	nd	nd
1,1,1-Trichloroethane (TCA)	0.05	nd	nd	nd
Carbon tetrachloride	0.05	nd	nd	nd
1,2-Dichloroethane	0.05	nd	nd	nd
Trichloroethene (TCE)	0.05	nd	0.06	nd
1,1,2-Trichloroethane	0.05	nd	nd	nd
Tetrachloroethene (PCE)	0.05	nd	nd	nd
1,1,1,2-Tetrachloroethane	0.05	nd	nd	nd
1,1,2,2-Tetrachloroethane	0.05	nd	nd	nd
Surrogate Recovery (%)				
"nd" Indicates not detected at listed detection limit.				
"int" Indicates that interference prevents determination.				

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Chlorobenzene): 65%- 135%

ANALYSES PERFORMED BY:

Sherry Chilcutt & Marilyn Farmer

ENVIRONMENTAL SERVICES NETWORK NORTHWEST, INC.

CHICO'S POOR HOUSE KINGS
Kane Environmentla, Inc.
Client Project #Bremerton, Washington

QA/QC Data - EPA 8021B Analyses

Sample Description: EB-4-2							
Matrix Spike				Matrix Spike Duplicate			RPD
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	(%)
Benzene	0.50	0.45	90	0.50	0.47	94	4.35
Toluene	0.50	0.41	82	0.50	0.43	86	4.76
1,1-Dichloroethene	0.50	0.49	98	0.50	0.47	94	4.17
Trichloroethene (TCE)	0.50	0.42	84	0.50	0.46	92	9.09
Surrogate Spike			88			124	

Laboratory Control Sample			
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)
Benzene	0.50	0.53	106
Toluene	0.50	0.43	86
1,1-Dichloroethene	0.50	0.51	102
Trichloroethene (TCE)	0.50	0.45	90
Surrogate Spike			95

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 80%-120%
ACCEPTABLE RPD IS 20%

ANALYSES PERFORMED BY:

Sherry Chilcutt & Marilyn Farmer

ENVIRONMENTAL SERVICES NETWORK NORTHWEST, INC.

CHICO'S POURHOUSE KINGS PROJECT
Bremerton, Washington
Kane Environmental Consulting

Analyses of Gasoline (NWTPH-Gx) & BTEX (EPA Method 8021B) in Soil

Sample Number	Date Analyzed	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Gasoline (mg/kg)	Surrogate Recovery (%)
Method Blank	3/9/01	nd	nd	nd	nd	nd	110
CA-SB-5-S3	3/9/01	nd	nd	nd	0.24	290	89
CA-SB-5-S7	3/9/01	nd	nd	nd	nd	nd	97
CA-SB-6-S2	3/9/01	nd	nd	nd	nd	50	97
CA-SB-6-S6	3/9/01	nd	nd	nd	nd	nd	109
CA-SB-7-S1	3/9/01	0.54	2.7	4.5	45.1	5700	int
CA-SB-7-S6	3/9/01	nd	nd	nd	nd	nd	110
CA-SB-7-S6 Dup.	3/9/01	nd	nd	nd	nd	nd	97
PH-SB-3-S2	3/9/01	nd	nd	nd	nd	nd	92
PH-SB-3-S4	3/9/01	nd	nd	nd	nd	nd	97
PH-SB-4-S1	3/9/01	nd	nd	nd	nd	nd	109
PH-SB-4-S4	3/9/01	nd	nd	nd	nd	nd	89
KP-SB-2-S1	3/9/01	nd	nd	nd	nd	nd	95
KP-SB-2-S4	3/9/01	nd	nd	nd	nd	nd	100
KP-SB-3-S1	3/9/01	nd	nd	nd	nd	nd	95
KP-SB-3-S4	3/9/01	nd	nd	nd	nd	nd	106
Method Detection Limits		0.05	0.05	0.05	0.05	10	

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Chlorobenzene): 65% TO 135%

ANALYSES PERFORMED BY: Marilyn Farmer

ENVIRONMENTAL SERVICES NETWORK NORTHWEST, INC.

Bremerton, Washington
 Kane Environmentla, Inc.
 Client Project #CHICO'S POOR HOUSE KINGS

QA/QC Data - Total Metals EPA-7000 Series Analyses

Matrix Spike				Matrix Spike Duplicate			RPD
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	(%)
Lead	125	110	88	125	106	85	3.7
Cadmium	100	94	94	100	87	87	7.7
Chromium	250	257	103	250	220	88	16

Laboratory Control Sample			
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)
Lead	125	109	87
Cadmium	100	82	82
Chromium	250	250	100

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%
 ACCEPTABLE RPD IS 20%

ANALYSES PERFORMED BY: Sherry Chilcutt

ENVIRONMENTAL SERVICES NETWORK NORTHWEST, INC.

CHICO'S POOR HOUSE KINGS

Kane Environmental, Inc.

Client Project #Bremerton, Washington

Heavy Metals in Soil by EPA-7000 Series

Sample Number	Date Analyzed	Lead (Pb)	Cadmium (Cd)	Chromium (Cr)	Arsenic (As)	Silver (Ag)	Barium (Ba)	Selenium (Se)	Mercury (Hg)
		EPA 7420 (mg/kg)	EPA 7130 (mg/kg)	EPA 7190 (mg/kg)	EPA 7061 (mg/kg)	EPA 7760 (mg/kg)	EPA 7080 (mg/kg)	EPA 7741 (mg/kg)	EPA 7471 (mg/kg)
Method Blank	3/9/01	nd	nd	nd	nd	nd	nd	nd	nd
CA-SB-5-S3	3/9/01	nd	nd	nd	nd	nd	nd	nd	nd
CA-SB-5-S7	3/9/01	nd	nd	nd	nd	nd	nd	nd	nd
CA-SB-6-S2	3/9/01	nd	nd	nd	nd	nd	nd	nd	nd
CA-SB-6-S6	3/9/01	nd	nd	nd	nd	nd	nd	nd	nd
CA-SB-7-S1	3/9/01	nd	nd	32	nd	nd	nd	nd	nd
CA-SB-7-S6	3/9/01	nd	nd	nd	nd	nd	nd	nd	nd
PH-SB-3-S2	3/9/01	nd	nd	nd	nd	nd	nd	nd	nd
PH-SB-3-S4	3/9/01	nd	nd	74	nd	nd	nd	nd	nd
PH-SB-4-S1	3/9/01	nd	nd	nd	nd	nd	nd	nd	nd
PH-SB-4-S4	3/9/01	nd	nd	78	nd	nd	nd	nd	nd
KP-SB-2-S1	3/9/01	nd	nd	nd	nd	nd	nd	nd	nd
KP-SB-2-S4	3/9/01	nd	nd	52	nd	nd	nd	nd	nd
KP-SB-3-S1	3/9/01	nd	nd	nd	nd	nd	nd	nd	nd
KP-SB-3-S4	3/9/01	nd	nd	nd	nd	nd	nd	nd	nd
Method Detection Limits		5	1	20	5	50	50	50	0.5

"nd" Indicates not detected at listed detection limits.

ANALYSES PERFORMED BY: Sherry Chilcutt

ESN SEATTLE CHEMISTRY LABORATORY
(425) 957-9872, fax (425) 957-9904

ESN Job Number: S10312-2
Client: KANE ENVIRONMENTAL
Client Job Name: CHICO'S
Client Job Number: NA

Analytical Results

PAH(8100), mg/kg		MTH BLK		LCS KP-SB2-S1	A-SB5-S3	A-SB7-S1
Matrix	Soil	Soil		Soil	Soil	Soil
Date extracted	Reporting	03/12/01		03/12/01	03/12/01	03/12/01
Date analyzed	Limits	03/12/01		03/12/01	03/12/01	03/12/01
Acenaphthene	0.10	nd		nd	nd	nd
Acenaphthylene	0.10	nd	93%	nd	nd	nd
Anthracene	0.10	nd		5.8	nd	nd
Benzo(a)anthracene	0.10	nd		nd	nd	6.8
Benzo(a)pyrene	0.10	nd	93%	nd	nd	1.6
Benzo(b)fluoranthene	0.10	nd		nd	nd	nd
Benzo(ghi)perylene	0.10	nd		nd	nd	nd
Benzo(k)fluoranthene	0.10	nd		nd	nd	nd
Chrysene	0.10	nd	104%	nd	nd	nd
Dibenzo(ah)anthracene	0.10	nd		nd	nd	nd
Fluorene	0.10	nd		3.9	nd	0.59
Fluoranthene	0.10	nd		1.5	nd	0.56
Indeno(1,2,3-cd)pyrene	0.10	nd		nd	nd	nd
Naphthalene	0.10	nd	94%	5.4	nd	15
Phenanthrene	0.10	nd		13	nd	1.0
Pyrene	0.10	nd		nd	nd	nd

Surrogate recoveries:

Fluorobiphenyl	98%	92%	105%	102%	103%
o-Terphenyl	100%	97%	C	107%	109%

Data Qualifiers and Analytical Comments

nd - not detected at listed reporting limits

na - not analyzed

C - coelution with sample peaks

M - matrix interference

J - estimated value

Results reported on dry-weight basis

Acceptable Recovery limits: 65% TO 135%

Acceptable RPD limit: 35%

ESN SEATTLE CHEMISTRY LABORATORY
(425) 957-9872, fax (425) 957-9904

ESN Job Number: S10312-2
Client: KANE ENVIRONMENTAL
Client Job Name: CHICO'S
Client Job Number: NA

Analytical Results

DUPL

8015-mod, mg/kg	MTH BLK	KP-SB2-S1	A-SB5-S3	A-SB7-S1	A-SB5-S3
Matrix	Soil	Soil	Soil	Soil	Soil
Date extracted	Reporting	03/12/01	03/12/01	03/12/01	03/12/01
Date analyzed	Limits	03/12/01	03/12/01	03/12/01	03/12/01
Ethylene Glycol	1.0	nd	nd	nd	nd
Surrogate recovery:					
Bromofluorobenzene	100%	118%	85%	88%	83%

Data Qualifiers and Analytical Comments

nd - not detected at listed reporting limits
na - not analyzed
C - coelution with sample peaks
M - matrix interference
J - estimated value
Acceptable Recovery limits: 65% TO 135%
Acceptable RPD limit: 35%

BORING LOG (STRATE PROBE)

Kane Enviromental, Inc.

2415 7th Avenue West
Seattle, Washington 98119
TEL: 206.691.0479 FAX: 206.691.0479




PROJECT : Proposed Retail Store
6th Street and Naval Avenue
Bremerton, Washington




Job Number : 1015




Boring No. : PH-SB-1

Elevation Reference : Ground Surface Elevation :		Well Completed : Casing Elevation :		AS-BUILT DESIGN						TESTING
N/A N/A		N/A N/A								
DEPTH (feet)		SAMPLE TYPE	SAMPLE NUMBER	BLOW COUNT	QTM READING	GROUND WATER				
0	Asphalt									
	Fill material									
	Reddish-brown, SILT									
	Light olive-grey, SILT with clay									
5	Light olive-grey, fine SAND with silt, few pebbles appear, mottled from 6.0 to 8.0 ft.									
-10										
	Large pebbles									
	Many pebbles, large and small									
-15										
	Bottom of boring 16.0 ft.									
-20										
-25										
-30										

LEGEND

-  2-Inch O. D. Split-Spoon Sample
-  1" Geoprobe
-  Sample not Recovered

-  Static Water Level at Drilling
-  Static Water Level
-  Perched Groundwater

-  Grab Sample
-  Type of Analytical Testing Used
-  No Recovery At Time of Drilling

Drilling Start Date : 12/15/00

Drilling Completion Date : 12/15/00

Logged By : JK

Page :
1 of 4

BORING LOG (STRATE PROBE)

Kane Enviromental, Inc.

2415 7th Avenue West
Seattle, Washington 98119

TEL: 206.691.0479 FAX: 206.691.0479

PROJECT : Proposed Retail Store
6th Street and Naval Avenue
Bremerton, Washington

Job Number : 1015

Boring No. : PH-SB-2

Elevation Reference : Ground Surface Elevation :		Well Completed : Casing Elevation :		AS-BUILT DESIGN				TESTING
N/A N/A		N/A N/A						
DEPTH (feet)		SAMPLE TYPE	SAMPLE NUMBER	BLOW COUNT	QVM READING	GROUND WATER		
0	Asphalt							
	Fill Material							
	Dark brown to medium brown, silty SAND, color change to medium olive-grey at 3.0 ft., some large pebbles							
5								
10	Dense, more CLAY							
	Large pebbles							
15								
	Bottom of boring 16.0 ft.							
20								
25								
30								

LEGEND



2-inch O. D. Split-Spoon Sample
1-inch Goosprobe
Sample not Recovered



Static Water Level at Drilling
Static Water Level
Perched Groundwater



Grab Sample
Type of Analytical Testing Used
NR
ATD
No Recovery
At Time of Drilling

Drilling Start Date : 12/15/00

Drilling Completion Date : 12/15/00

Logged By : JK

Page :
2 of 4

BORING LOG (STRATE PROBE)

Kane Enviromental, Inc.

2415 7th Avenue West
Seattle, Washington 98119
TEL: 206.691.0479 FAX: 206.691.0479

PROJECT : Proposed Retail Store
6th Street and Naval Avenue
Bremerton, Washington

Job Number : 1015

Boring No. : VH-SB-1

Elevation Reference : Ground Surface Elevation :		Well Completed : Casing Elevation :		AS-BUILT DESIGN				TESTING
N/A N/A		N/A N/A						
DEPTH (feet)		SAMPLE TYPE	SAMPLE NUMBER	BLOW COUNT	QVM READING	GROUND WATER		
0	Dark brown, fine grained SAND with some pebbles, 0.0 to 6.0 ft.							
-5								
	Medium tan, silty CLAY							
-10								
		</						

LEGEND

	2-Inch O. D. Split-Spoon Sample		Static Water Level at Drilling		Grab Sample
	1" Geoprobe		Static Water Level		Type of Analytical Testing Used
	Sample not Recovered		Perched Groundwater		No Recovery
			ATD		At Time of Drilling

Drilling Start Date : 12/15/00

Drilling Completion Date : 12/15/00

Logged By : JK

**2415 7th Avenue West
Seattle, Washington 98119
TEL: 206.691.0479 FAX: 206.691.0479**

Boring No. : KP-SB-1

Drilling Start Date : 12/15/00 Drilling Completion Date : 12/15/00 Logged By : JK

Attachment D
Phase I Documentation



"Linking Technology with Tradition"

Sanborn® Map Report

Ship to: John Kane

Kane Environmental Inc.

2415 7th Avenue West

Seattle, WA 98119

Order Date: 12/12/2000 **Completion Date:** 12/13/2000

Inquiry #: 573932.4S

P.O. #: NA

Site Name: Naval Avenue/6th Street

Address: Naval Avenue/6th Street

City/State: Bremerton, WA 98337

2010300KID

206-715-2779

Cross Streets: 6th Street

Based on client-supplied information, fire insurance maps for the following years were identified

1914 - 1 - map

1925 - 1 - map

1928 - 2 - maps

1947 - 2 - maps

1968 - 2 - maps

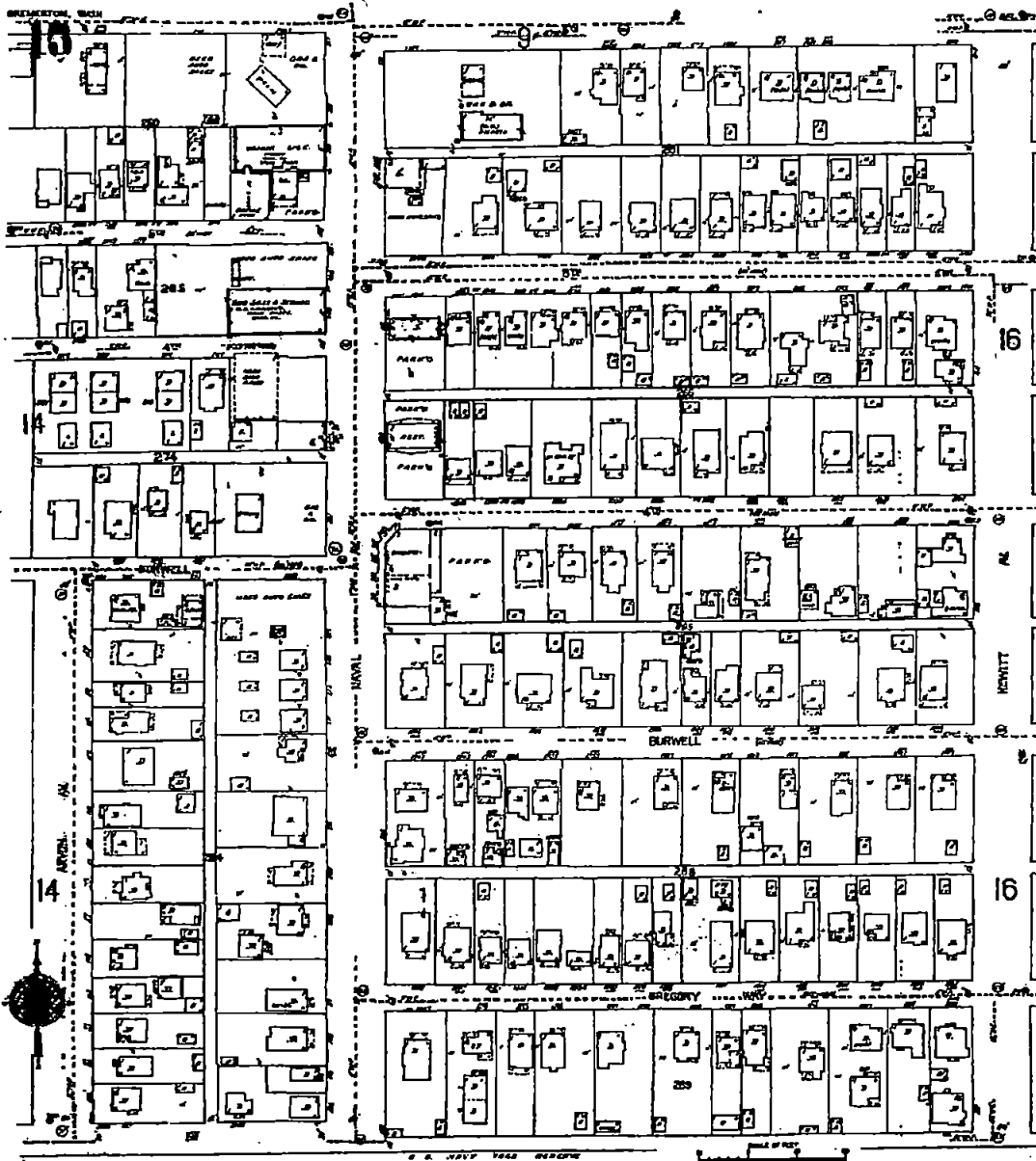
Total Maps: 8

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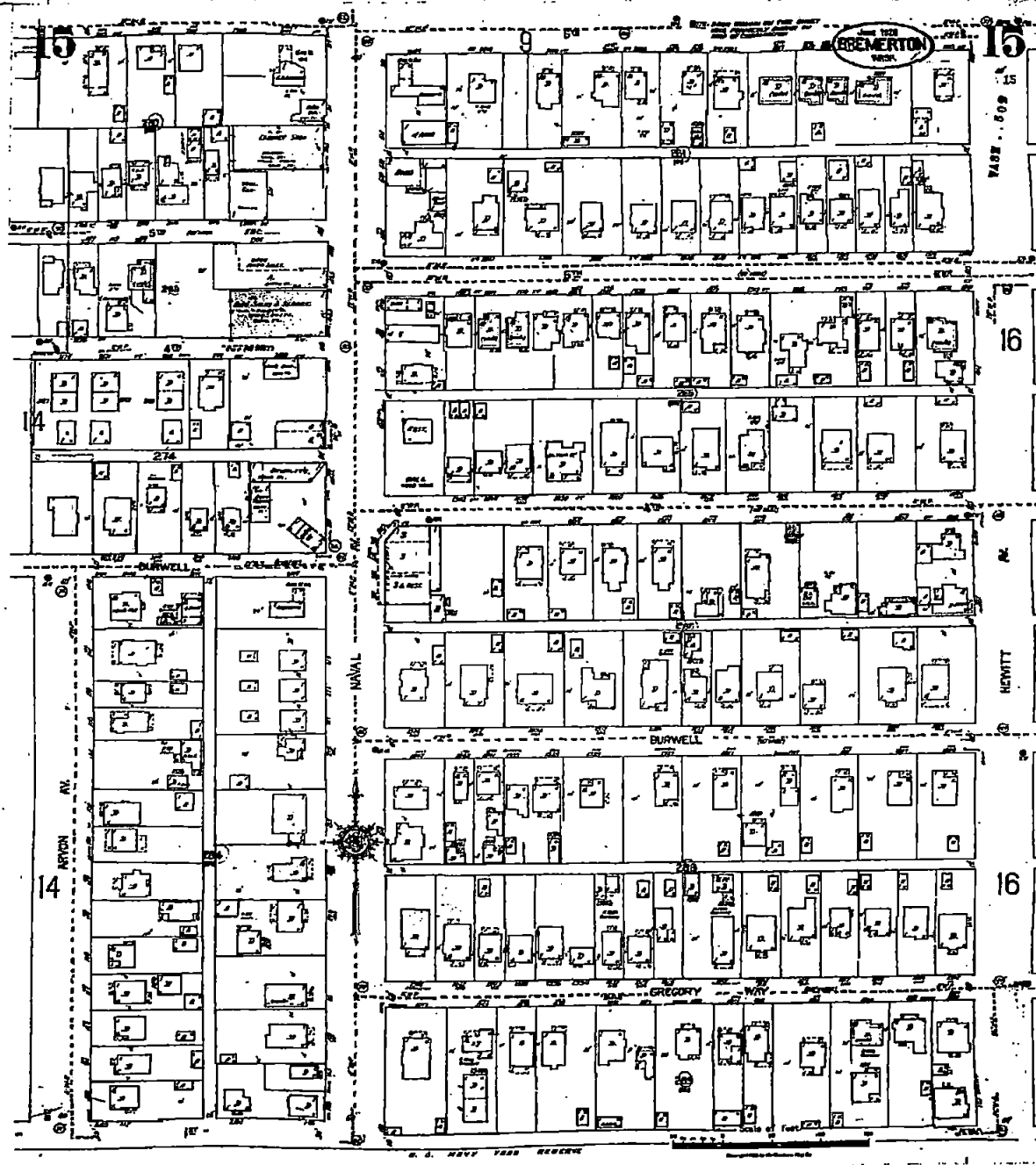


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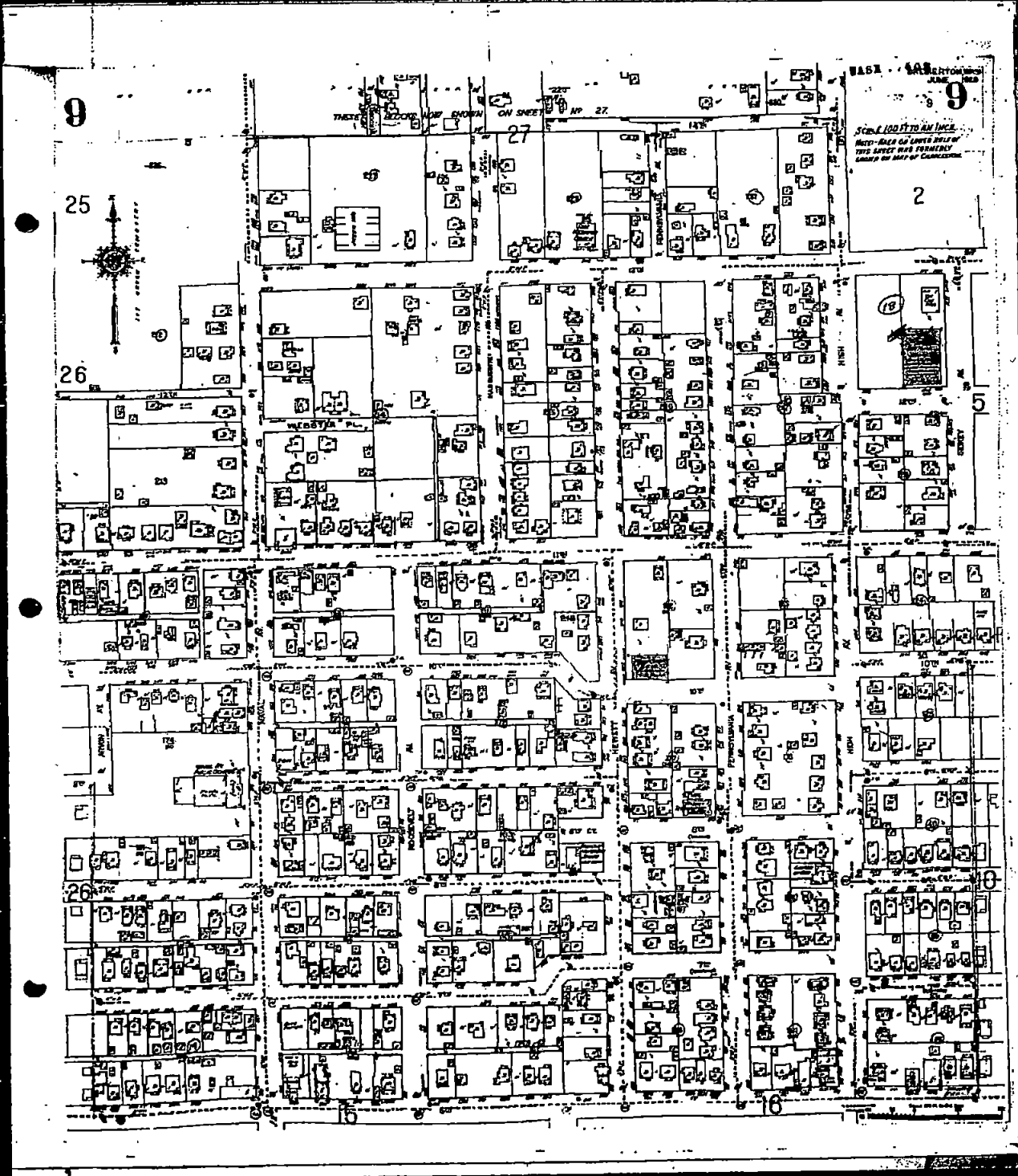


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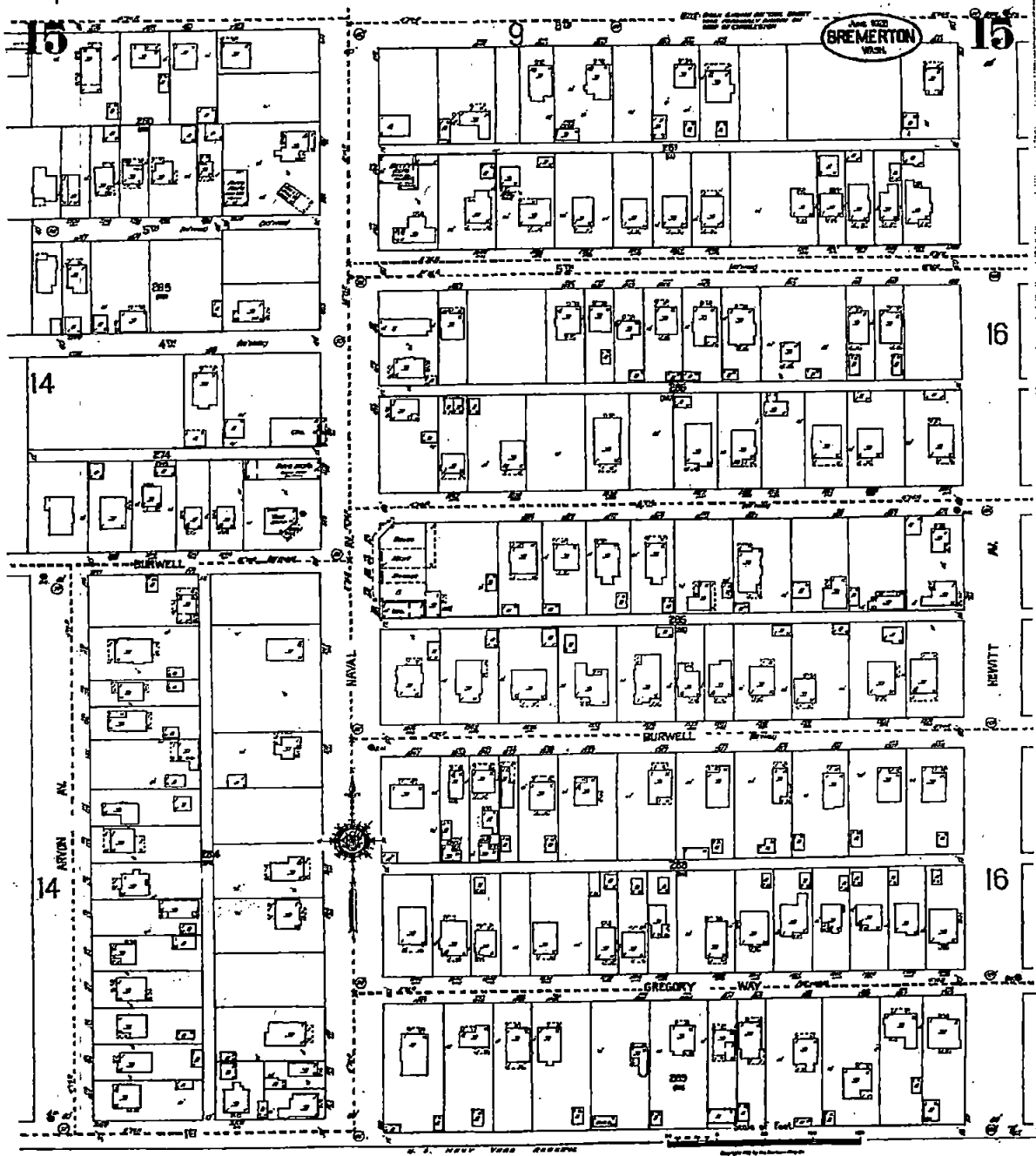


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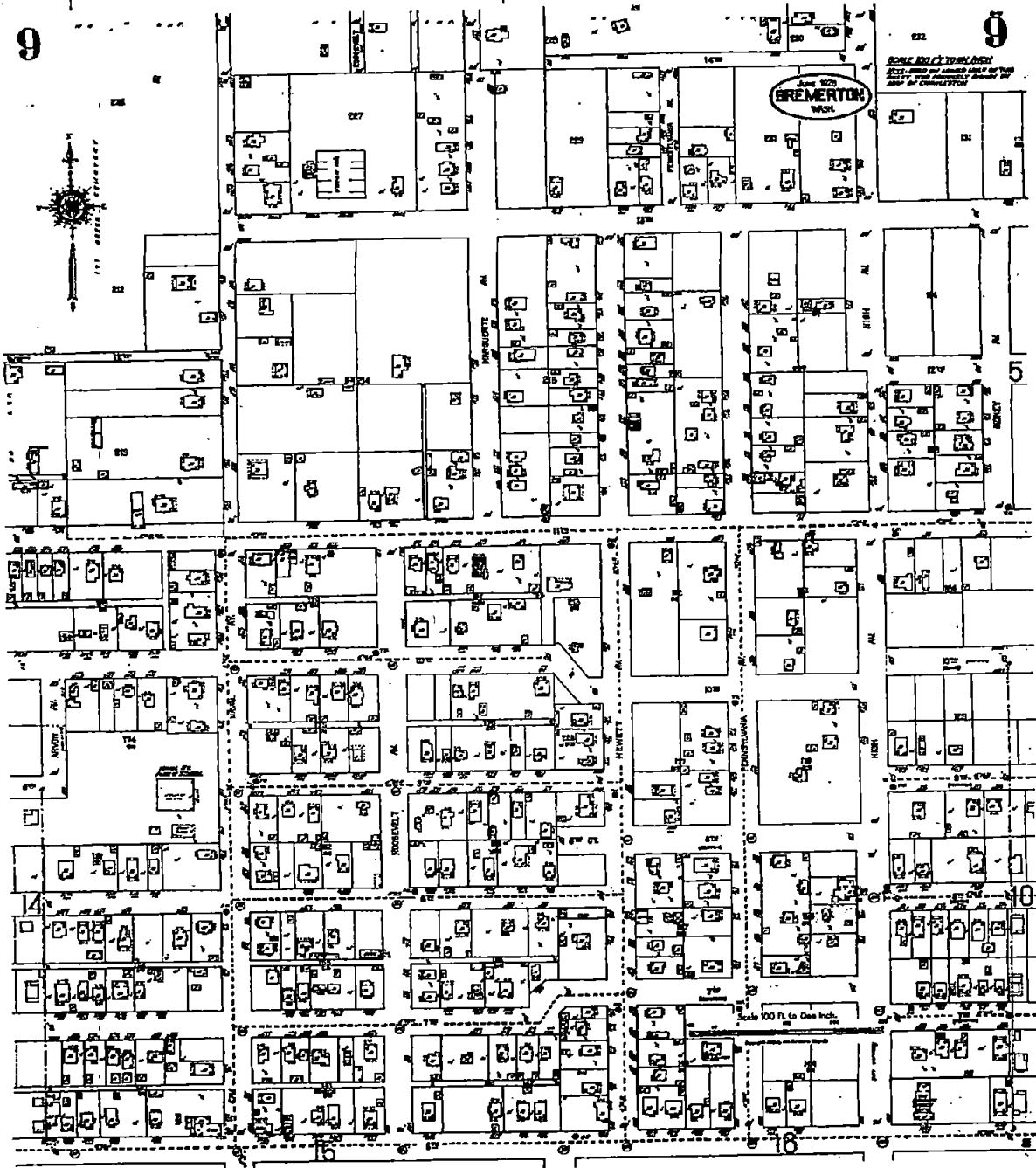
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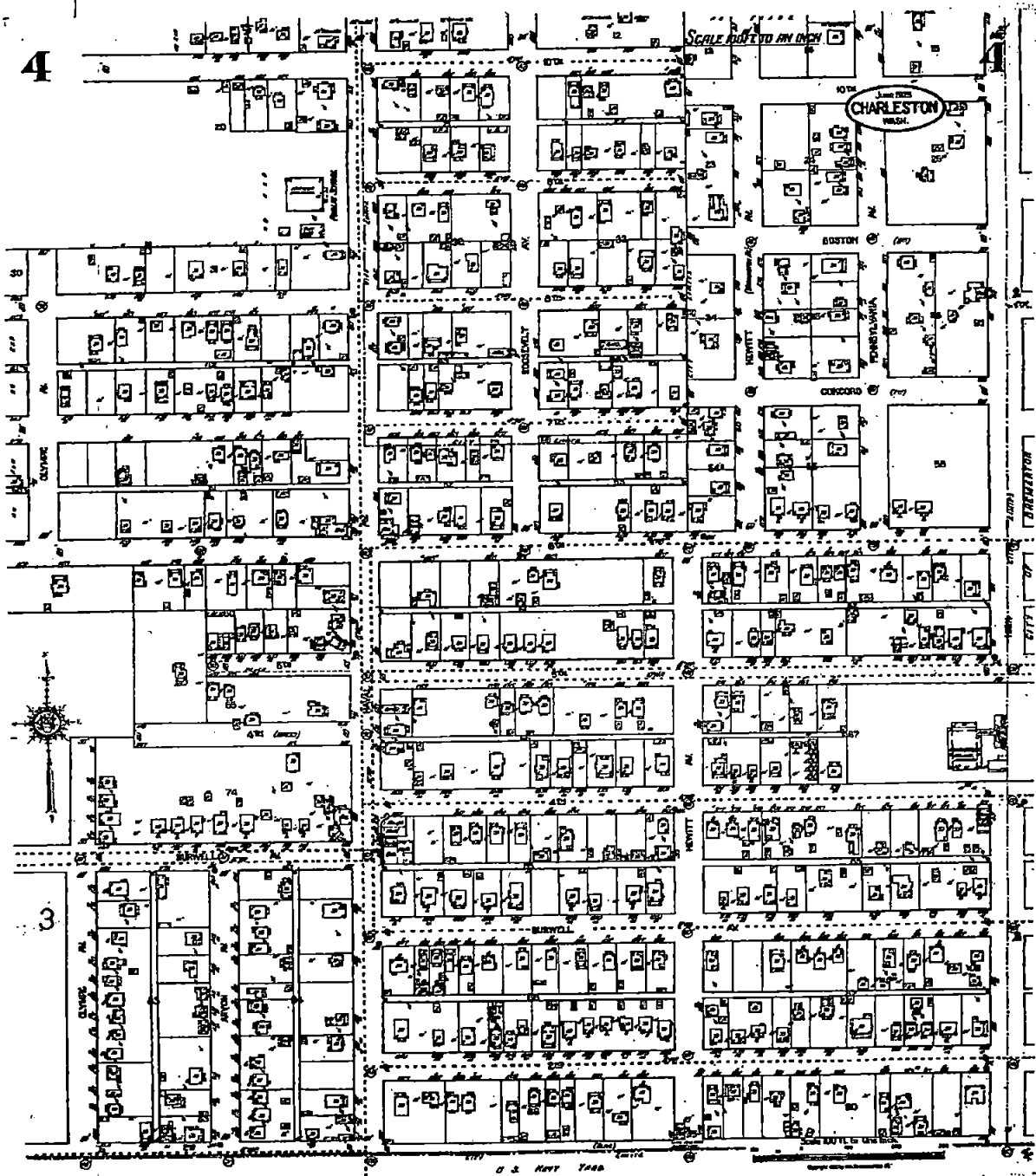
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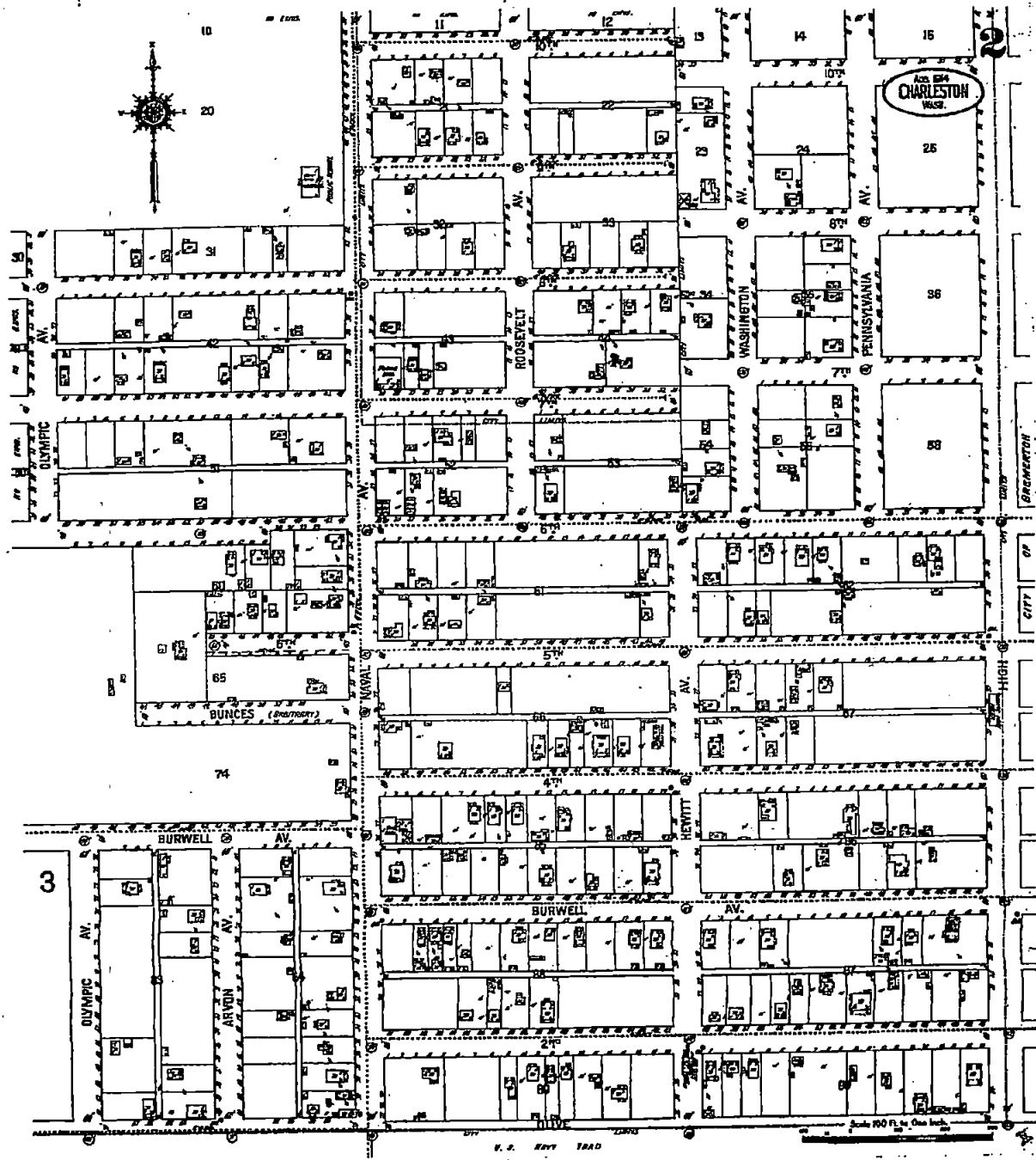


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Electronic Sanborn Map Images USER'S GUIDE

Thank you for your interest in electronic Sanborn Map images. The following are guidelines for accessing the images and for transferring them to your system. If you have any questions about the use of electronic Sanborn Map images, contact your EDR Account Executive at 1-800-352-0050.

Organization of Electronic Sanborn Image File

- First Page Sanborn Map Report, listing years of coverage
- Second Page Electronic Sanborn Map Images USER'S GUIDE
- Third Page Oldest Sanborn Map Image
- Last Page Most recent Sanborn Map Image

Navigating the Electronic Sanborn Image File

- Open file on screen.
- Identify TP (Target Property) on the most recent map.
- Find TP on older printed images.
- To view the image more clearly, zoom to 250%.
 - 200-250% is the approximate equivalent scale of hardcopy Sanborn Maps.
 - Viewing above 400% will tend to pixelate the display.
- Zooming in on an image:
 - Click on the % in the lower left hand corner and type in ____%.
 - Use the magnifying tool and drag a box around the TP area.

Printing a Sanborn Map from the Electronic File

- EDR recommends printing all images at 300 dpi (300 dpi prints faster than 600 dpi).
- To print only the TP area, cut and paste the area from Adobe Acrobat to your word processor.

For Adobe Acrobat Version 3

- Go to the Menu Bar.
- Highlight 'Tools'.
- Highlight 'Select Graphics'.
- Draw a box around the area of interest.
- Go to the Menu Bar.
- Highlight 'Edit'.
- Highlight 'Copy'.
- Go to a word processor such as Microsoft Word and paste. Print from the word processor.

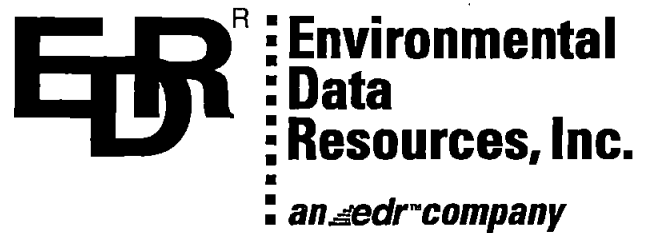
For Adobe Acrobat Version 4

- Go to the Menu Bar.
- Press and hold the 'T' button.
- Choose the Graphics Select Tool.
- Draw a box around the area of interest.
- Go to the Menu Bar.
- Highlight 'Edit'.
- Highlight 'Copy'.
- Go to a word processor such as Microsoft Word and paste. Print from the word processor.



Important Information about Email Delivery of Electronic Sanborn Map Images

- Images are grouped into one file, up to 2MB.
- In cases where in excess of 6-7 map years are available, the file size typically exceeds 2MB. In these cases, you will receive multiple files, labeled as 1 of 3, 2 of 3, etc. including all available map years.
- Due to file size limitations, certain ISPs, including AOL, may occasionally delay or decline to deliver files. Please contact your ISP to identify their specific file size limitations.



The EDR-Historical Topographic Map Report

**Naval Avenue/6th Street
Naval Avenue/6th Street
Bremerton, WA 98337**

December 15, 2000

Inquiry Number: 573932-5

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**

Environmental Data Resources, Inc. Historical Topographic Map Report

Environmental Data Resources, Inc.'s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property, and its surrounding area, resulting from past activities. ASTM E 1527-00, Section 7.3 on Historical Use Information, identifies the prior use requirements for a Phase I environmental site assessment. The ASTM standard requires a review of *reasonably ascertainable standard historical sources*. *Reasonably ascertainable is defined as information that is publicly available, obtainable from a source with reasonable time and cost constraints, and practically reviewable.*

To meet the prior use requirements of ASTM E 1527-00, Section 7.3.2, the following *standard historical sources* may be used: aerial photographs, city directories, fire insurance maps, topographic maps, property tax files, land title records (although these cannot be the sole historical source consulted), building department records, or zoning and use records. ASTM E 1527-00 requires *"All obvious uses of the property shall be identified from the present, back to the property's obvious first developed use, or back to 1940, whichever is earlier. This task requires reviewing only as many of the standard historical sources as are necessary, and that are reasonably ascertainable and likely to be useful."* (ASTM E 1527-00, Section 7.3.2 page 11.)

EDR's Historical Topographic Map Report includes a search of available public and private color historical topographic map collections.

Topographic Maps

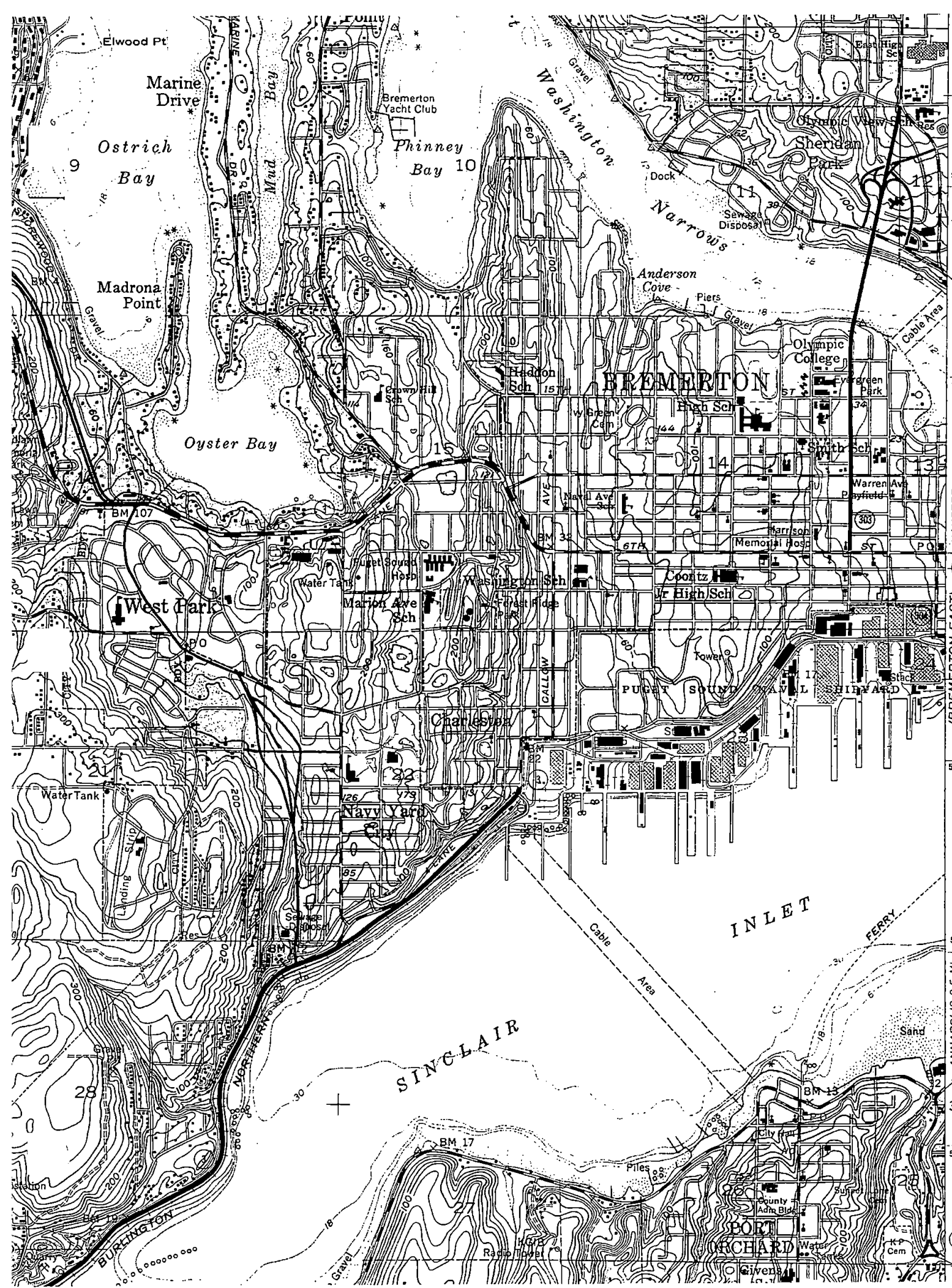
A topographic map (topo) is a color coded line-and-symbol representation of natural and selected artificial features plotted to a scale. Topos show the shape, elevation, and development of the terrain in precise detail by using contour lines and color coded symbols. Many features are shown by lines that may be straight, curved, solid, dashed, dotted, or in any combination. The colors of the lines usually indicate similar classes of information. For example, topographic contours (brown); lakes, streams, irrigation ditches, etc. (blue); land grids and important roads (red); secondary roads and trails, railroads, boundaries, etc. (black); and features that have been updated using aerial photography, but not field verified, such as disturbed land areas (e.g., gravel pits) and newly developed water bodies (purple).

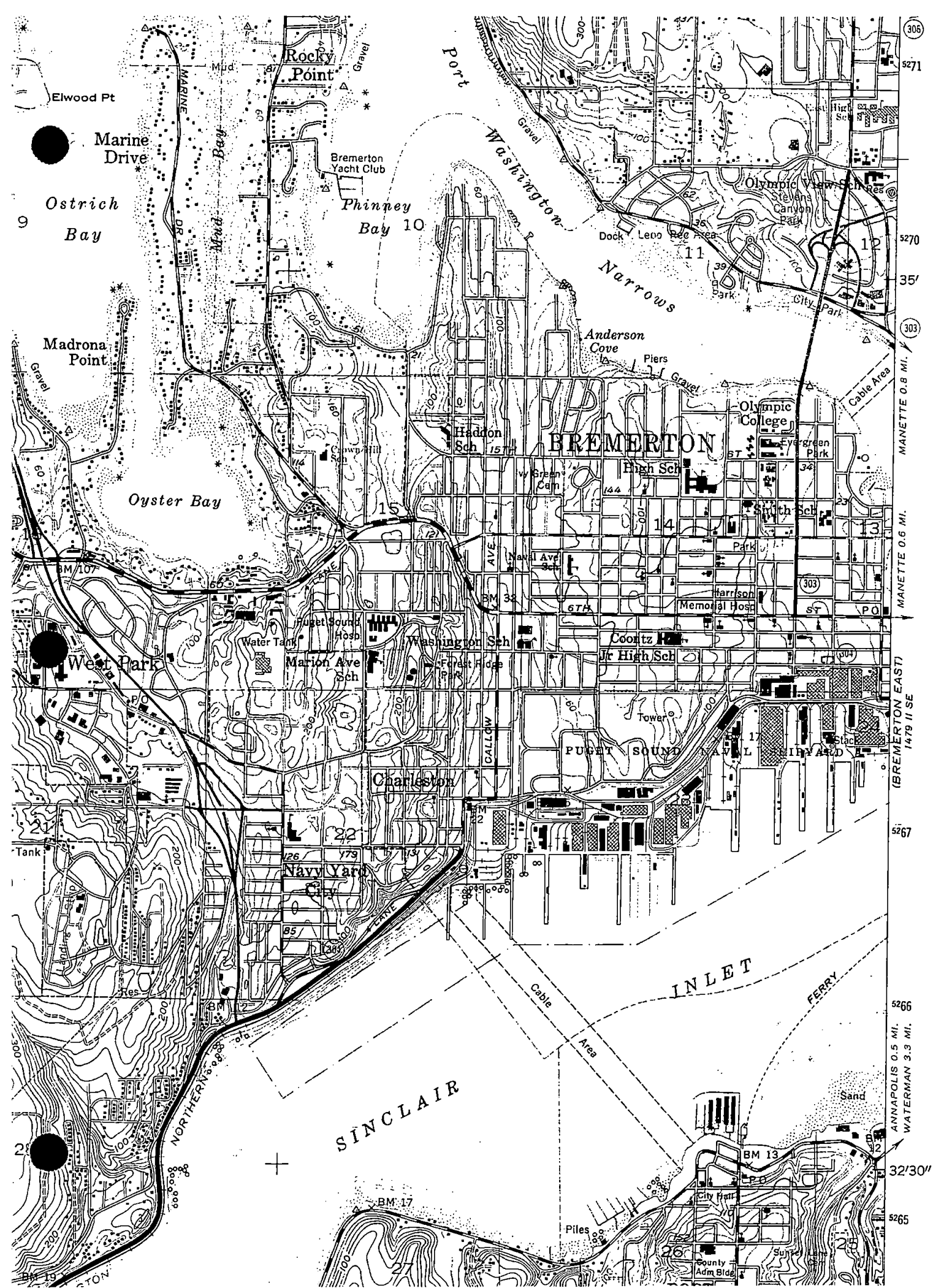
For more than a century, the USGS has been creating and revising topographic maps for the entire country at a variety of scales. There are about 60,000 U.S. Geological Survey (USGS) produced topo maps covering the United States. Each map covers a specific quadrangle (quad) defined as a four-sided area bounded by latitude and longitude. Historical topographic maps are a valuable historical resource for documenting the prior use of a property and its surrounding area, and due to their frequent availability can be particularly helpful when other standard historical sources (such as city directories, fire insurance maps, or aerial photographs) are not reasonably ascertainable.





52
ANNAPOLIS 0.5 Mi.
526
3





305
5271
5270
35'
303
MANETTE 0.8 MI.
MANETTE 0.6 MI.
BREMERTON EAST
1479 II SE
5267
5266
ANNAPOLIS 0.5 MI.
WATERMAN 3.3 MI.
32'30"

Attachment E
Property Title Information
(Not Included with VCP Submittal)

LIMITATIONS

Kane Environmental has performed this work in general accordance with ASTM Standard E 1527-00, Standard Practice for Phase I – Environmental Site Assessments, with generally accepted professional practices for the nature and conditions of the work completed in the same locality and at the same time as the work was performed, and with the terms and conditions as set forth in our proposal.

In preparing this report, Kane Environmental has reviewed historical records, conducted interviews with persons identified herein, and conducted an on-site visual inspection of the property. We have examined and relied upon documents referenced in the report and on oral statements made by certain individuals. Kane Environmental has not conducted an independent examination of the facts contained in referenced materials and statements. We have assumed that these documents are genuine and that the information provided in these documents and statements is true and accurate. Kane Environmental shall not be responsible for conditions or consequences arising from relevant facts that were concealed, withheld, or not fully disclosed at the time the report was prepared. Facts and conditions referenced in this report may change over time and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of the work was performed. This Phase I Environmental Site Assessment does not include other services not specifically described in the scope of work in Section 1.0 of this report. Conclusions and recommendations were made within the operative constraints of the scope of work, budget, and schedule for this project.

Our assessment of the property may change as new data become available, either from persons familiar with the site or during additional site studies, exploration or sampling. This report is intended for the exclusive use of Albertson's and S.E. Grainger Development Group, LLC for specific application to the referenced property. It is not meant to represent a legal opinion.