



December 28, 2016

Jim Aho  
Port of Illahee  
PO Box 2357  
Bremerton, WA 98310

RE: Site Investigation  
5507 Illahee Rd NW

Dear Mr. Aho:

Enclosed is the **Site Investigation Report** for the recently completed soil boring and sampling project at the 5507 Illahee Rd NW site in Bremerton, WA. As summarized in the report, visual and olfactory observations, field screenings, and the soil sample analytical results have indicated that petroleum-contaminated soil (PCS), above the MTCA Method A cleanup level for unrestricted land use, was detected in two of the soil boring locations. The PCS appears to be migrating easterly, down gradient from the UST pit area. The sample results also indicated that the PCS appears to be limited to an approximate depth of 11' - 11½' below ground surface (bgs). No groundwater was encountered in any of the boring locations; however, moist soil was encountered at the terminated depths of borings B-4 & B-5. The site will now be listed in the Department of Ecology (DOE) data base as a 'Leaking Underground Storage Tank' site until such time that remedial activities are completed.

Thank you again for the opportunity to work with you on this project. Please give me a call if you have any questions regarding this or any future projects.

Sincerely,

Tom Langseth  
Registered Site Assessor  
Langseth Environmental Services, Inc.

## Table of Contents:

- Site Investigation Report
- Site & Sampling Location Maps
- Soil Sample Analytical Data
- Soil Boring Log
- Photographs



## **SITE INVESTIGATION REPORT**

**5507 ILLAHEE RD NW**

**Parcel # 4429-015-001-0309**

**ERTS # 669620**

**SITE LOCATION:**

Vacant Property  
5507 Illahee Rd NW  
Bremerton, WA 98311

**SITE CONTACT:**

Jim Aho  
Port of Illahee  
PO Box 2357  
Bremerton, WA 98310  
360-479-1049

Soil Boring and Sampling Project

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5507 Illahee Rd NW  
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**SITE CONTACT:**

Jim Aho  
Port of Illahee  
P.O. Box 2357  
Bremerton, WA 98310  
360-479-1049

Soil Boring and Sampling Project

This report was compiled by Tom Langseth, registered and licensed with the Washington State Department of Ecology to perform environmental site assessments in accordance with WAC 173-340 through the International Code Council.

### **PROJECT BACKGROUND**

This site is located in unincorporated Kitsap County, Washington, northeast of Bremerton city center, in a residential area commonly known as Illahee. The site is the location of a former grocery store / retail gasoline sales facility. The site has been vacant for approximately 14 years. Site address is 5507 Illahee Rd NW, Bremerton, WA 98311. Contact person for this project was Illahee Port representative, Jim Aho. Telephone number for Mr. Aho is 360-479-1049.

The three underground gasoline storage tanks (UST's) located at the site are registered with the Washington State Department of Ecology (DOE) as being installed in 1980 and taken out of service in 2003 when the facility was closed. The tanks are constructed of single wall steel with single wall steel piping. Two of the UST's are sized at 4000 gallons and one tank is sized at 6000 gallons. The dispensing pumps were removed at some unknown time in the past. Both leak detection and impressed current corrosion protection ceased at the time of closure. All site utilities were disconnected and / or shut off prior to the start of this project.

The intent of this project was to advance soil borings in the vicinity of the tank pit and former gasoline dispensing location. Soil samples were to be obtained from each boring location. The samples were to be laboratory analyzed for gasoline, BTEX and total lead to determine if any petroleum-contaminated soil (PCS) was present at the site.

## **WORK PERFORMED**

The soil boring and sampling project was begun on December 12, 2016. The soil borings were completed utilizing a direct push drilling machine operated by Standard Environmental Probe of Olympia, WA. The direct push drilling machine advanced each boring in four foot increments. Using 1.5" X 4' poly liners, discrete soil samples were obtained from the intended sampling intervals. The soil conditions in the 5 boring locations consisted of dark to light brown sandy, rocky, clay material (Unified Soil Classification System group symbols of CL, with typical names such as inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays) to at least 11' below ground surface (bgs). At the approximate 11' depth the soil conditions changed to hard packed sand material (USCS group symbol of SM, with typical names such as silty sands, sand-silt mixtures) to at least 13' bgs. Boring B-4 encountered refusal at approximately 11' - 11½' bgs due to hard pan soil conditions. No groundwater was encountered in any of the boring locations; however, moist soil was noted in boring location B-5 at the terminated depth. The obtained soil samples were stored in an iced cooler on site and transported directly to Libby Environmental, Inc., 4139 Libby Rd NE, Olympia, WA 98506.

Soil sampling was conducted in accordance with Washington State Department of Ecology guidelines. The soil samples were collected utilizing the boring/auger method, utilizing discrete poly liners. The samples were then placed into clean wide mouth glass containers with Teflon lids provided by the laboratory. All VOC sampling was accomplished utilizing the EPA 5035A method. The samples were analyzed utilizing the NWTPH-Gx/BTEX, and total lead methods. These analytical procedures test for the presence of gasoline, benzene, toluene, ethylbenzene, xylenes and lead.

Enclosed are site and sampling location maps, laboratory analytical data, and the chain-of-custody form. Laboratory QA/QC data and the soil boring logs are included at the end of the report.

## RECOMMENDATIONS FOR FURTHER ACTION

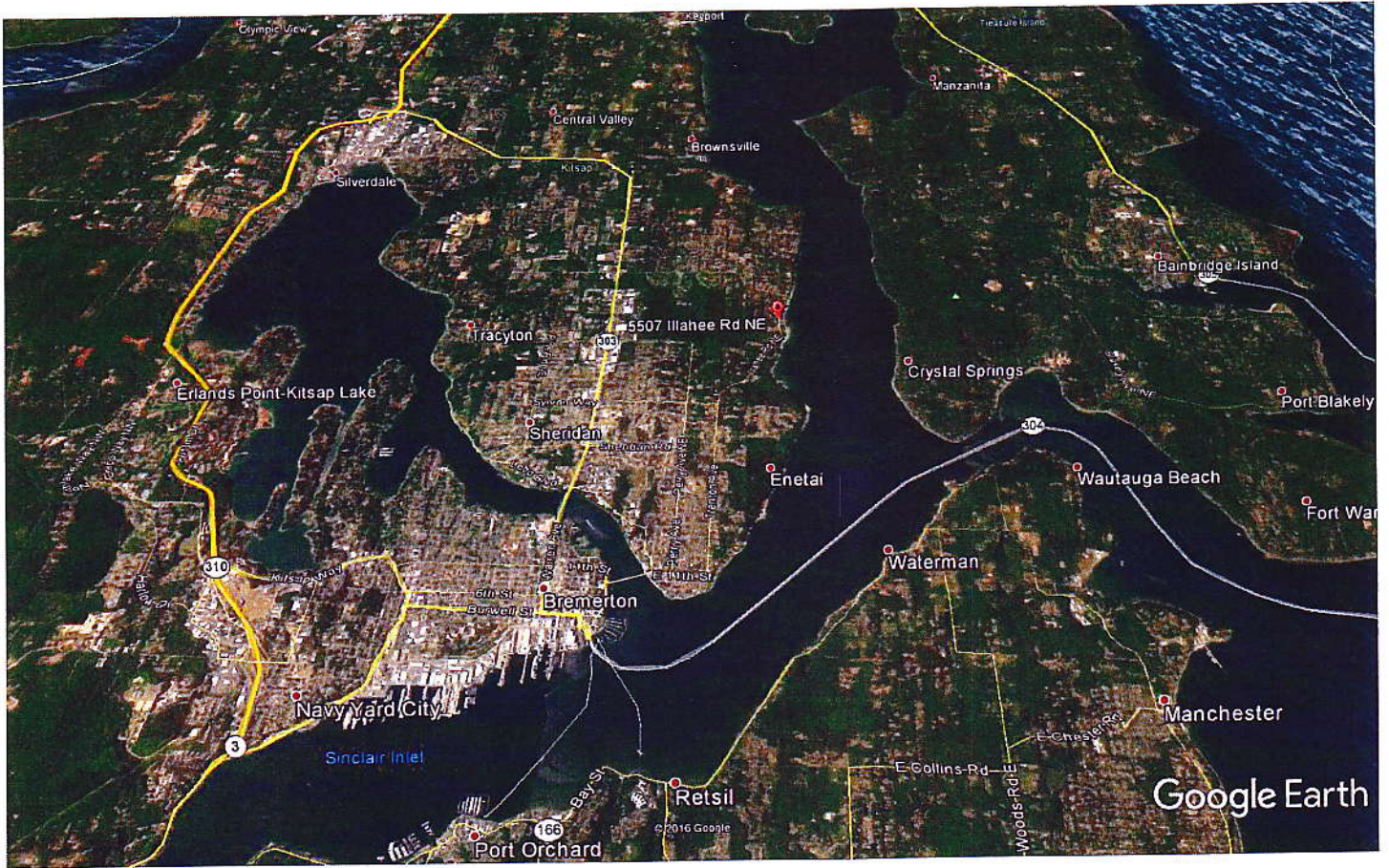
Based on visual and olfactory observations, field screenings, and the soil sample analytical results, it is the conclusion of this consultant that petroleum-contaminated soil, above the MTCA Method A cleanup level for unrestricted land use, was detected in boring locations B-4 and B-5. These boring locations are east and down gradient of the UST pit area. The sample results also indicate that the vertical migration of PCS is limited to approximately 11' - 11½' bgs (the encountered dense hard pan). No groundwater was encountered in any of the boring locations; however, moist soil was encountered in boring location B-5 at the terminated depth. Based on the soil sample analytical results, the site was reported to the Northwest DOE Regional Office as a contaminated site on December 20, 2016. The site was given a designated ERTS number of 669620. The site will now be listed in the Department of Ecology (DOE) data base as a 'Leaking Underground Storage Tank' site until such time that remedial activities are completed.

This report has been prepared for the exclusive use of the Port of Illahee c/o Jim Aho and their agents, in accordance with generally accepted professional practices for the nature and condition of the work completed in the same or similar localities, at the time the work was performed. The findings contained herein are relevant to the dates of the Langseth Environmental Services, Inc. soil boring and sampling project and should not be relied upon to represent conditions at later dates. No additional warranty is expressed or implied. In the event that changes in the nature, usage or layout of the property or nearby properties are made, the conclusions and recommendations contained in this report may not be valid. If additional information becomes available, it should be provided to Langseth Environmental Services, Inc. so that the original conclusions and recommendations can be modified as necessary.

Sincerely,



Tom Langseth  
Registered Site Assessor  
Langseth Environmental Services, Inc.



Google Earth





Google Earth

feet  
meters







Google Earth





# Kitsap County Parcel Details

## Land & Location

Parcel #: 4429-015-001-0309

**\*\*NO SITUS ADDRESS \*\***

**Site Address** \*\*NO SITUS ADDRESS \*\*

**Jurisdiction - Tax Code Area** Unincorporated - 1460

**Zoning** Neighborhood Commercial (10-30 DU/Ac)

**Sec-Twn-Rng-Qtr** Sec 31 Township 25 Range 2E SW Qtr

**Acres** 0.15 (approx. 6,534 sq. ft.)

**Land where Account is Located** N/A

**Latitude** 47.61264326

**Longitude** -122.59728222

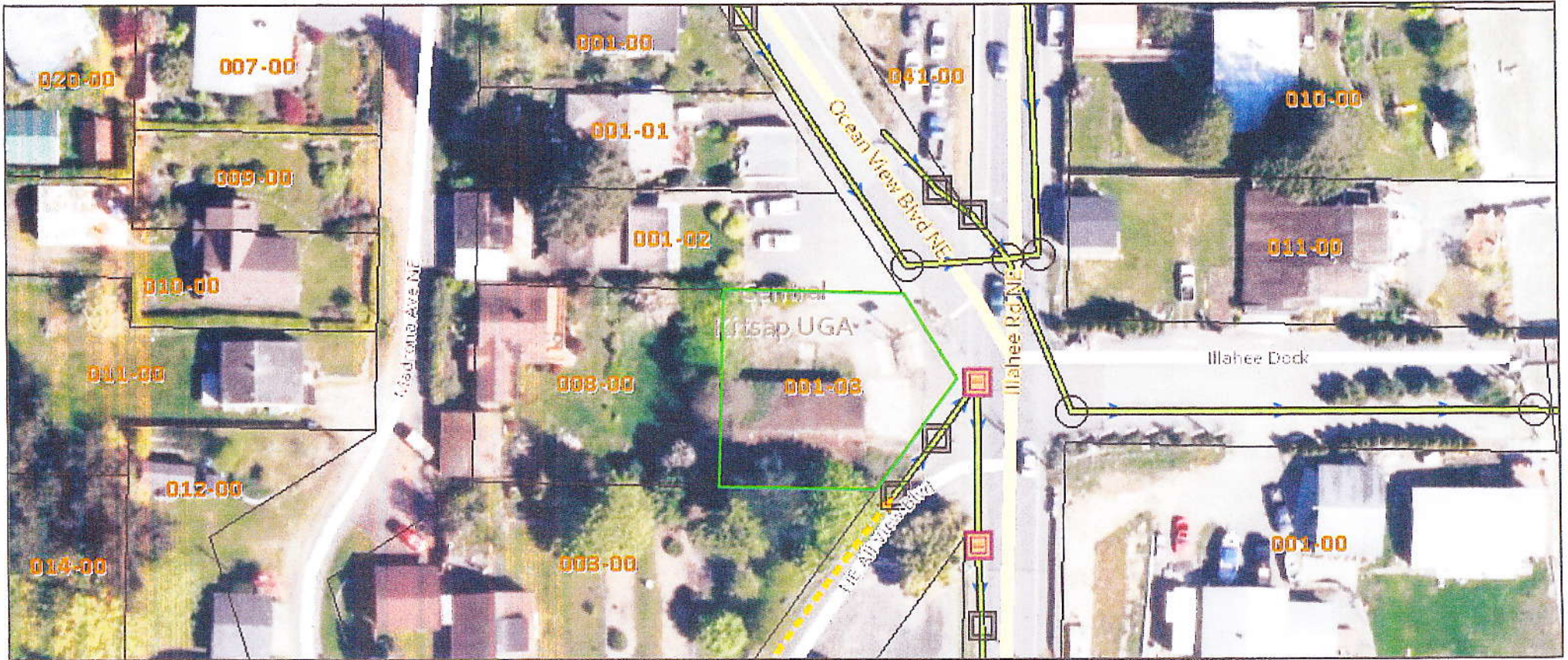
**Last Inspected** 04/02/14

**View Rating** 5

**Waterfront** No

**Property Use** 543- Conv. store w/o gas pumps

**Neighborhood** 8401509 - E Bremerton North of Riddell



\*\* This map is not a substitute for field survey \*\* Map Scale: 1 inch = 60 feet

Legend

- |  |       |  |                    |  |                    |  |                       |
|--|-------|--|--------------------|--|--------------------|--|-----------------------|
|  | CDS   |  | Storm System Valve |  | Collector          |  | Underground Enclosure |
|  | CB1   |  | Private            |  | Private            |  |                       |
|  | CB-SL |  | Commercial         |  | Swale              |  |                       |
|  | CB-BL |  | Ditch              |  | Mitigative Wetland |  |                       |
|  | CB2   |  | Tank               |  | Retention          |  |                       |
|  | CMH   |  | Detention          |  |                    |  |                       |
|  | OWS1  |  |                    |  |                    |  |                       |
|  | OWS2  |  |                    |  |                    |  |                       |

Comments Parcel No: 4429-015-001-0309 TaxPayer: KRICK DAVID & DONALD Site Address: NO ADDRESS FOUND



Facility Name: **ILLAHEE FOODS**

Tag(s): A8081

**SITE INFORMATION**

ILLAHEE FOODS                      RESP UNIT: NORTHWEST                      COUNTY: KITSAP  
5507 ILLAHEE RD NE                      LAT: 47.6126073709498  
BREMERTON, WA 98311                      LONG: -122.597269964313

USTID: 97233  
FSID: 79247626

**TANK INFORMATION**

<b>TANK NAME: 3</b>			
<b>STATUS:</b> Temporarily Closed		<b>STATUS DT:</b> 03/28/2003	<b>PERMANENTLY CLOSED DT:</b>
<b>INSTALL DT:</b> 01/01/1980		<b>UPGRADE DT:</b> 01/24/1998	<b>PERMIT EXPIRATION DT:</b> 08/31/2001
<b>TANK</b>		<b>PIPING</b>	
MATERIAL: Steel		MATERIAL: Steel	
CONSTRUCTION: Single Wall Tank		CONSTRUCTION: Single Wall Pipe	
CORROSION PROT: Impressed Current		CORROSION PROT: Impressed Current	
<b>MANIFOLDED TANK:</b>		<b>SFC* at TANK:</b>	
RELEASE DETECT: Manual Inventory Control (daily)		SFC* at DISP/PUMP:	
<b>TIGHTNESS TEST:</b>		1ST REL DETECT: Safe Suction (No Leak Detection)	
SPILL PREVENTION: Spill Bucket/Spill Box		2ND REL DETECT:	
OVERFILL PREVENT: Automatic Shutoff (fill pipe)		PUMPING SYSTEM: Non-Safe Suction	
ACTUAL CAPACITY: 4000			
CAPACITY RANGE: 2,001 to 4,999 Gallons			
<small>* SFC = Steel Flex Connector</small>			
<b>COMPARTMENT #</b>	<b>SUBSTANCE STORED</b>	<b>SUBSTANCE USED</b>	<b>CAPACITY</b>
1	A Leaded Gasoline	A Motor Fuel for Vehicles	4000

<b>TANK NAME: 1</b>			
<b>STATUS:</b> Temporarily Closed		<b>STATUS DT:</b> 03/28/2003	<b>PERMANENTLY CLOSED DT:</b>
<b>INSTALL DT:</b> 12/01/1979		<b>UPGRADE DT:</b> 11/24/1998	<b>PERMIT EXPIRATION DT:</b> 08/31/2001
<b>TANK</b>		<b>PIPING</b>	
MATERIAL: Steel		MATERIAL: Steel	
CONSTRUCTION: Single Wall Tank		CONSTRUCTION: Single Wall Pipe	
CORROSION PROT: Impressed Current		CORROSION PROT: Impressed Current	
<b>MANIFOLDED TANK:</b>		<b>SFC* at TANK:</b>	
RELEASE DETECT: Manual Inventory Control (daily)		SFC* at DISP/PUMP:	
<b>TIGHTNESS TEST:</b>		1ST REL DETECT: Safe Suction (No Leak Detection)	
SPILL PREVENTION: Spill Bucket/Spill Box		2ND REL DETECT:	
OVERFILL PREVENT: Automatic Shutoff (fill pipe)		PUMPING SYSTEM: Non-Safe Suction	
ACTUAL CAPACITY: 6000			
CAPACITY RANGE: 5,000 to 9,999 Gallons			
<small>* SFC = Steel Flex Connector</small>			
<b>COMPARTMENT #</b>	<b>SUBSTANCE STORED</b>	<b>SUBSTANCE USED</b>	<b>CAPACITY</b>
1	B Unleaded Gasoline	A Motor Fuel for Vehicles	6000

<b>TANK NAME: 2</b>			
<b>STATUS:</b> Temporarily Closed		<b>STATUS DT:</b> 03/28/2003	<b>PERMANENTLY CLOSED DT:</b>
<b>INSTALL DT:</b> 12/01/1979		<b>UPGRADE DT:</b> 11/24/1998	<b>PERMIT EXPIRATION DT:</b> 08/31/2001
<b>TANK</b>		<b>PIPING</b>	
MATERIAL: Steel		MATERIAL: Steel	
CONSTRUCTION: Single Wall Tank		CONSTRUCTION: Single Wall Pipe	
CORROSION PROT: Impressed Current		CORROSION PROT: Impressed Current	
<b>MANIFOLDED TANK:</b>		<b>SFC* at TANK:</b>	

<b>RELEASE DETECT:</b> Manual Inventory Control (daily)	<b>SFC* at DISP/PUMP:</b>
<b>TIGHTNESS TEST:</b>	<b>1ST REL DETECT:</b> Safe Suction (No Leak Detection)
<b>SPILL PREVENTION:</b> Spill Bucket/Spill Box	<b>2ND REL DETECT:</b>
<b>OVERFILL PREVENT:</b> Automatic Shutoff (fill pipe)	<b>PUMPING SYSTEM:</b> Non-Safe Suction
<b>ACTUAL CAPACITY:</b> 4000	
<b>CAPACITY RANGE:</b> 2,001 to 4,999 Gallons	

\* SFC = Steel Flex Connector

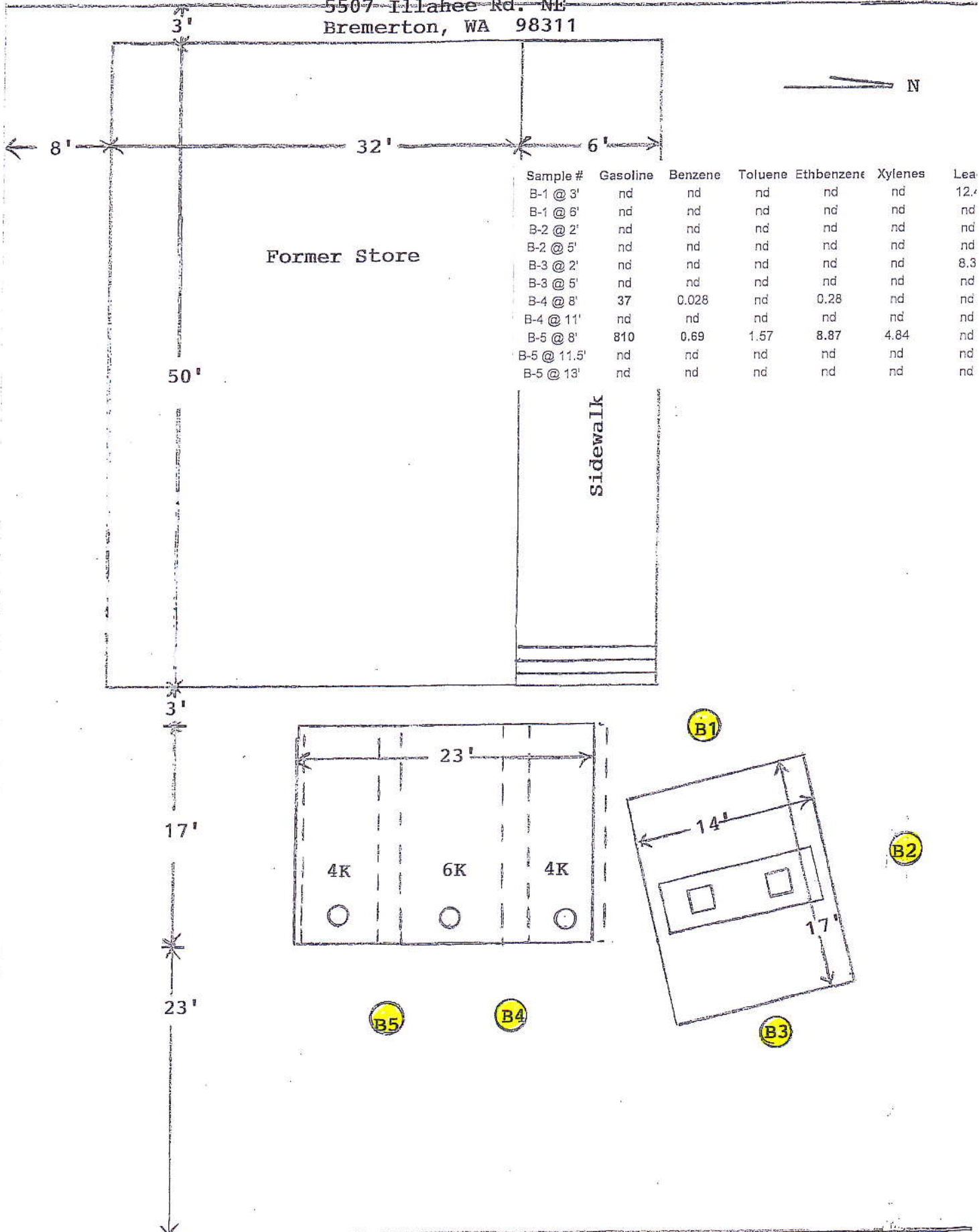
COMPARTMENT #	SUBSTANCE STORED	SUBSTANCE USED	CAPACITY
1	B Unleaded Gasoline	A Motor Fuel for Vehicles	4000

UST\_SiteTankDataSmry2014

SITE & SAMPLING LOCATION MAP

Illahee Foods (Vacant Property)

5507 Illahee Rd. NE  
Bremerton, WA 98311



Sample #	Gasoline	Benzene	Toluene	Ethbenzene	Xylenes	Lea
B-1 @ 3'	nd	nd	nd	nd	nd	12.7
B-1 @ 6'	nd	nd	nd	nd	nd	nd
B-2 @ 2'	nd	nd	nd	nd	nd	nd
B-2 @ 5'	nd	nd	nd	nd	nd	nd
B-3 @ 2'	nd	nd	nd	nd	nd	8.3
B-3 @ 5'	nd	nd	nd	nd	nd	nd
B-4 @ 8'	37	0.028	nd	0.28	nd	nd
B-4 @ 11'	nd	nd	nd	nd	nd	nd
B-5 @ 8'	810	0.69	1.57	8.87	4.84	nd
B-5 @ 11.5'	nd	nd	nd	nd	nd	nd
B-5 @ 13'	nd	nd	nd	nd	nd	nd

# SOIL SAMPLE RESULTS TABLE

## 5507 Illahee Rd. NW

### Site Location:

Vacant Property  
5507 Illahee Rd. NW  
Bremerton, WA 98310

Sample Date: 12-12-16

Sample #	Gasoline	Benzene	Toluene	Ethbenzene	Xylenes	Lead
B-1 @ 3'	nd	nd	nd	nd	nd	12.4
B-1 @ 6'	nd	nd	nd	nd	nd	nd
B-2 @ 2'	nd	nd	nd	nd	nd	nd
B-2 @ 5'	nd	nd	nd	nd	nd	nd
B-3 @ 2'	nd	nd	nd	nd	nd	8.3
B-3 @ 5'	nd	nd	nd	nd	nd	nd
B-4 @ 8'	<b>37</b>	0.028	nd	0.28	nd	nd
B-4 @ 11'	nd	nd	nd	nd	nd	nd
B-5 @ 8'	<b>810</b>	<b>0.69</b>	1.57	<b>8.87</b>	4.84	nd
B-5 @ 11.5'	nd	nd	nd	nd	nd	nd
B-5 @ 13'	nd	nd	nd	nd	nd	nd
PQL	10	0.02	0.1	0.05	0.15	5
MTCA Cleanup (so	30/100	0.03	7	6	9	250

"**Bold**" indicates above MTCA Cleanup Level

"nd" indicates not detected at the listed detection limits

Soil sample results reported in mg/Kg = ppm (parts per million)

Gasoline by NWTPH-Gx, BTEX by EPA 8260C, Total Lead by EPA 7010 Series

Sample #	Location
B-1 @ 3'	West of dispensing island
B-1 @ 6'	West of dispensing island
B-2 @ 2'	North of dispensing island
B-2 @ 5'	North of dispensing island
B-3 @ 2'	East of dispensing island
B-3 @ 5'	East of dispensing island
B-4 @ 8'	East of UST pit, between 4K & 6K tanks
B-4 @ 11'	East of UST pit, between 4K & 6K tanks
B-5 @ 8'	East of UST pit, 8' east of fill port
B-5 @ 11.5'	East of UST pit, 8' east of fill port
B-5 @ 13'	East of UST pit, 8' east of fill port

**SOIL SAMPLE**

**ANALYTICAL DATA**





# Libby Environmental, Inc.

4139 Libby Road NE • Olympia, WA 98506-2518

December 19, 2016

Tom Langseth  
Langseth Environmental Services, Inc.  
7517 Portland Avenue  
Tacoma, WA 98404

Dear Mr. Langseth:

Please find enclosed the analytical data report for the Illahee Borings Project located in Illahee, Washington.

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included. The sample(s) will be disposed of in 30 days unless we are contacted to arrange long term storage.

Libby Environmental, Inc. appreciates the opportunity to have provided analytical services for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Sherry L. Chilcutt  
*Senior Chemist*  
*Libby Environmental, Inc.*

# Libby Environmental, Inc.

ILLAHEE BORINGS PROJECT  
Langseth Environmental Services, Inc.  
Illahee, Washington  
Libby Project # L161213-1

4139 Libby Road NE  
Olympia, WA 98506  
Phone: (360) 352-2110  
FAX: (360) 352-4154  
Email: libbyenv@aol.com

## 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	12/13/16	nd	nd	nd	nd	nd	97
LCS	12/13/16	104%	106%				109
B-1 @ 3'	12/13/16	nd	nd	nd	nd	nd	134
B-1 @ 6'	12/13/16	nd	nd	nd	nd	nd	95
B-2 @ 2'	12/13/16	nd	nd	nd	nd	nd	99
B-2 @ 5'	12/13/16	nd	nd	nd	nd	nd	97
B-3 @ 2'	12/13/16	nd	nd	nd	nd	nd	95
B-3 @ 2' Dup	12/13/16	nd	nd	nd	nd	nd	93
B-3 @ 5'	12/13/16	nd	nd	nd	nd	nd	103
B-4 @ 8'	12/13/16	0.028	nd	0.28	nd	37	105
B-4 @ 11'	12/13/16	nd	nd	nd	nd	nd	111
B-5 @ 8'	12/13/16	0.69	1.57	8.87	4.84	810	121
B-5 @ 11.5'	12/13/16	nd	nd	nd	nd	nd	120
B-5 @ 13'	12/13/16	nd	nd	nd	nd	nd	113
B-3 @ 2' MS	12/13/16	118%	115%				100
B-3 @ 2' MSD	12/13/16	109%	104%				90
Practical Quantitation Limit		0.02	0.10	0.05	0.15	10	

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Trifluorotoluene): 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

# Libby Environmental, Inc.

ILLAHEE BORINGS PROJECT  
Langseth Environmental Services, Inc.  
Illahee, Washington  
Libby Project # L161213-1

4139 Libby Road NE  
Olympia, WA 98506  
Phone: (360) 352-2110  
FAX: (360) 352-4154  
Email: libbyenv@aol.com

## Analyses of Total Lead in Soil by EPA Method 7010 Series

Sample Number	Date Analyzed	Lead (mg/kg)
Method Blank	12/18/16	nd
B-1 @ 3'	12/18/16	12.4
B-1 @ 6'	12/18/16	nd
B-2 @ 2'	12/18/16	nd
B-2 @ 5'	12/18/16	nd
B-3 @ 2'	12/18/16	8.3
B-3 @ 5'	12/18/16	nd
B-4 @ 8'	12/18/16	nd
B-4 @ 11'	12/18/16	nd
B-5 @ 8'	12/18/16	nd
B-5 @ 11.5'	12/18/16	nd
B-5 @ 13'	12/18/16	nd
Practical Quantitation Limit		5.0

"nd" Indicates not detected at the listed detection limits.

ANALYSES PERFORMED BY: Dirk Peterson

# Libby Environmental, Inc.

ILLAHEE BORINGS PROJECT  
Langseth Environmental Services, Inc.  
Illahee, Washington  
Libby Project # L161213-1

4139 Libby Road NE  
Olympia, WA 98506  
Phone: (360) 352-2110  
FAX: (360) 352-4154  
Email: libbyenv@aol.com

## QA/QC for Lead in Soil by EPA Method 7010 Series

Sample Number	Date Analyzed	Lead (% Recovery)
LCS	12/18/16	107%
L161214-1 MS	12/18/16	88%
L161214-1 MSD	12/18/16	93%
RPD	12/18/16	6%

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 75%-125%

ACCEPTABLE RPD IS 20%

ANALYSES PERFORMED BY: Dirk Peterson

# Libby Environmental, Inc.

# Chain of Custody Record

www.LibbyEnvironmental.com

4139 Libby Road NE  
Olympia, WA 98506

Ph: 360-352-2110  
Fax: 360-352-4154

Date: 12-12-16

Page: 1 of 1

Client: \_\_\_\_\_

Project Manager: T LANGSETH

Address: \_\_\_\_\_

Project Name: Illahoe Borings

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Location: 5507 Illahoe Rd NE City, State: Illahoe WA

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Collector: T LANGSETH Date of Collection: 12-12-16

Client Project # \_\_\_\_\_

Email: LANGSETHENVIR@GMAIL.COM



Sample Number	Depth	Time	Sample Type	Container Type	Analytes											Field Notes								
					VOC 8260	NWTPH-Gx	BTEX 8021	NWTPH-HCID	NWTPH-Dx	cPAH 8270	PAH 8270	Semi Vol 8270	PCB 8082	MTC 5 Metals	RCRA 8 Metals		Pb							
1	B-1 @ 3'	919	S	4oz+2vca	X	X																		
2	B-1 @ 6'	928	↓	↓	↓	↓																		
3	B-1 @ 8'	HOLD		HOLD	HOLD																			
4	B-2 @ 2'	942	↓	↓	X	X																		
5	B-2 @ 5'	950	↓	↓																				
6	B-3 @ 2'	1001	↓	↓																				
7	B-3 @ 5'	1007	↓	↓																				
8	B-4 @ 8'	1026	↓	↓																				
9	B-4 @ 11'	1041	↓	↓																				
10	B-5 @ 8'	1112	↓	↓																				
11	B-5 @ 11 1/2'	1120	↓	↓																				
12	B-5 @ 13'	1135	↓	↓																				
13																								
14																								
15																								
16																								
17																								

Relinquished by: <u>[Signature]</u>	Date / Time: <u>12/13/16 1215</u>	Received by: <u>[Signature]</u>	Date / Time: <u>12/13/16 1215</u>
Relinquished by: _____	Date / Time: _____	Received by: _____	Date / Time: _____
Relinquished by: _____	Date / Time: _____	Received by: _____	Date / Time: _____

Sample Receipt	
Good Condition?	<input checked="" type="radio"/> Y <input type="radio"/> N
Temp.	<u>9</u> °C
Seals Intact?	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/> N/A
Total Number of Containers	<u>36</u>

Remarks:
TAT: 24HR 48HR <u>5-DAY</u>

# SOIL BORING LOG

# Soil Boring Log

5507 Illahee Rd. NW.  
Bremerton, WA 98310

## **Boring #1**

West of fuel island (12' W of dispenser location)

0 – 3' 2" asphalt, rocky, sandy, clay soil

3' - 6' Rocky, sandy, clay

6' – 8' Rocky, sandy, clay

No visual (V) or olfactory (O) indications of PCS

Boring terminated at 8'

Samples obtained at 3' and 6'

All boring locations plugged with bentonite and brought to grade with asphalt cold patch

No groundwater encountered during entire project

## **Boring #2**

North of fuel island (12' N of dispenser location)

0 – 4' 2" asphalt, rocky, sandy, clay soil

4' - 6' Rocky, sandy, clay

No V or O indications of PCS

Boring terminated at 6'

Samples obtained at 2' and 5'

## **Boring #3**

East of fuel island (8' E of dispenser location)

0 - 4' 2" asphalt, rocky, sandy, clay soil

4' - 6' Rocky, sandy, clay

No V or O indications of PCS

Boring terminated at 6'

Samples obtained at 2' and 5'

## **Boring #4**

East of UST pit / down gradient (8' E of tank pit between 6K & 4K UST's)

0 - 4' 2" asphalt, rocky, sandy, clay soil

4' - 8' Rocky, sandy, clay to 6'. 6' - 8' plastic clay

8' - 11' Rocky, plastic, clay

V and O indications of PCS @ 6' - 9'

Boring terminated at 11' (refusal / dense hard pan)

Samples obtained at 8' and 11'

# Soil Boring Log

5507 Illahee Rd. NW  
Bremerton, WA 98310

## **Boring #5**

East of UST pit / down gradient (8' E of tank pit between 4K & 4K UST's)

0 - 4' 2" asphalt, rocky, sandy, clay

4' - 8' Rocky, sandy, clay

8' - 11½' Rocky, sandy, clay

11½' - 13' Moist sand

V and O indications of PCS @ 4' - 9'

Boring terminated at 13'

Samples obtained @ 8' and 11½' and 13'



# PHOTOGRAPHS



Looking southwest at the former Illahee Foods business, 5507 Illahee Rd. NE, Bremerton, WA.



Looking south at the former fueling/dispenser location. Sampling table set up on UST pit area.



Looking north at boring location B-4, down gradient from UST pit area.