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# FINAL CLEANUP REPORT

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**L&E AUTO SALES PROPERTY  
2101 BURWELL PLACE  
BREMERTON, WASHINGTON  
ECOLOGY FS ID: 14170/ CS ID: 11943**

**Prepared for:  
MR. RIC BEARBOWER  
FRICK N FRACK HOLDINGS, INC.  
P. O. BOX 1010  
SILVERDALE, WA. 98383**

**Prepared by:  
ENVIRO SOUND CONSULTING, INC.  
3388 BYRON STREET NW, SUITE 200  
SILVERDALE, WA 98383**

**Project No. ESC13-E002  
July 21, 2013**



July 21, 2013

Project No. ESC13-E002

Mr. Ric Bearbower  
Frick N Frack Holdings Inc.  
P. O. Box 1010  
Silverdale, WA 98383

RE: Final Cleanup Report  
L & E Auto Sales Property  
2101 Burwell Place  
Bremerton, Washington  
Ecology FS ID: 14170/ CS ID: 11943

Dear Mr. Bearbower:

EnviroSound Consulting, Inc., (EnviroSound) has completed a Report for the L & E Auto Sales Property site, summarized in a report dated July 21, 2013.

EnviroSound has completed confirmation sampling in areas of former UST's on the site.

Due to the non-detect levels, EnviroSound recommends that a No Further Action (NFA) designation be requested from the Washington Department of Ecology.

If you have any questions, or if we can be of further assistance, please do not hesitate to contact our office.

Respectfully Submitted,  
EnviroSound Consulting, Inc.

A handwritten signature in black ink, appearing to read 'Shawn E. Williams'.

Shawn E. Williams, L.G.  
Senior Environmental Geologist

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- B Underground Storage Tank Decommissioning and Final Cleanup Report by DLH Environmental Consulting
- C EnviroSound Laboratory Data-2013.



July 21, 2013

Project No. ESC13-E002

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**FINAL CLEANUP REPORT**

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**L & E SALES PROPERTY  
2101 BURWELL PLACE  
BREMERTON, WASHINGTON**

**Executive Summary**

This Final Cleanup Report has been prepared by EnviroSound Consulting, Inc. (EnviroSound) for the L & E Sales property at 2101 Burwell Place in Bremerton, Washington. This report describes the results of confirmation soil sampling by EnviroSound following previous site cleanup efforts following the removal of three Underground Storage Tanks (USTs) and petroleum contaminated soil (PCS) in 2010 and to obtain a No Further Action (NFA) designation from the Washington Department of Ecology.

Historical research by DLH Environmental Consulting (2010) indicated that the subject property had been a taxi cab stand with the potential presence of a three- pump island on the subject property. Although the pump islands had been removed there was no evidence that the UST's had been removed. A waste oil UST was also located in a small garage on the subject site.

In June 2010 DLH performed a Phase II Environmental Site Assessment on the subject property with the drilling of six (6) geoprobes at select locations on the site to a maximum depth of 20 feet. Soil samples were submitted for Total Petroleum Hydrocarbon Identification by method NWTPH-HCID, with the sample next to the small garage having the only elevated level of Diesel at 2,500 ppm. Soil samples were also submitted for analysis of volatile organic compounds (VOC's), polychlorinated biphenyls (PCB's) and the RCRA 8 metals. Laboratory analysis confirmed that only diesel was detected.

A waste oil tank and an old hydraulic lift were removed on August 19, 2010 from inside a small garage building on the southwest corner of the property. Soil samples collected from the sidewalls and bottom of the excavation by DLH indicated elevated levels of heavy oil remain in place beneath the garage building. On August 20, 2010 two UST's were removed from the northeast corner of the property. On August 23, 2010 a third UST was removed from the northeast corner of the property. A total of 75.95 tons of petroleum impacted soil was excavated from the site and transported to the Waste Management Olympic View Transfer Station. Confirmation samples collected from the sidewalls and bottom of the UST excavation indicated elevated levels of gasoline impacted soil along the south and west ends of the excavation.

On February 22, 2013 a representative of EnviroSound collected two soil samples from an excavation inside the small garage. The garage was in the process of being demolished at the time of the sampling. The samples were collected from a depth below the elevated soil samples previously collected by DLH. No stained soil was observed during the excavation process. Soil sample results were non detect for diesel and heavy oil.

On March 28, 2013 a representative of EnviroSound collected two soil samples from an excavation in the

area of the former USTs. The samples were collected from a depth below previous soil samples collected by DLH. No stained soils or hydrocarbon odors were observed during the excavation process. Soil sample results were non-detect for Total Petroleum Hydrocarbons (TPH) in the gasoline range and the hydrocarbon constituents benzene, toluene, ethylbenzene, and total xylenes (BTEX). A third sample was collected in the area of geoprobe B-1 at a depth below the elevated diesel soil sample collected by DLH. No stained or odoriferous soils were noted during the excavation. The soil sample result was non-detect for diesel and heavy oil.

### **Section 1.0 Introduction**

This report presents the results of confirmation soil sampling conducted by EnviroSound on the referenced property. EnviroSound was contracted by Frick N Frack Holdings, LLC. to begin work on the subject property in February 2013. The results of the field activities are described in this report.

### **Section 2.0 Site Description**

The subject property is bounded by Naval Avenue on the east side, single-family residences to the west side, Burwell Place to the north and Burwell Street to the south in Bremerton, Washington (Figure 1). The property consists of 0.25 acres, with County Assessor's parcel number of 3778-005-001-0002 and is located in Range 1E, Township 24N Section 14. The parcel is developed with a one-story wood frame building which is currently vacant with gravel parking. The building was constructed during 1953. A small garage located on the southwestern portion of the site was demolished in March 2013. The topography of the site in general gently slopes toward the west.

### **Section 3.0 Project Background**

EnviroSound developed the scope of work contained herein based on the review of previous work performed on the site by DLH Environmental Consulting. (DLH). During June 2010 DLH conducted a Phase II Site Assessment at the subject property utilizing a geoprobe to collect soil samples from six locations on the site. Ten soil samples were collected and submitted for analysis of Total Petroleum Hydrocarbon Identification by method NWTPH-HCID and Total Petroleum Hydrocarbons (TPH) in the diesel and oil ranges by method NWTPH-Dx. Based on laboratory analytical results, one sample contained heavy oil above the Washington State Department of Ecology (Ecology) Model Toxics Control Act (MTCA) cleanup level of 2,000 ppm. It was recommended that a waste oil UST be removed from a small garage building on the site. On August 19, 2010 the 250 gallon waste oil UST was removed as was an old hydraulic lift. Exploratory work with an excavator led to the discovery of three USTs on the northeastern corner of the lot. Two of the USTs had a capacity of 1,000 gallons and the third had a capacity of 2,000 gallons. The three larger USTs were empty and had numerous holes. During UST removal and excavation operations, 75.95 tons of petroleum-contaminated soil (PCS) were removed and disposed of at the Olympic View Transfer Station, for transport to Waste Management's disposal facility. Laboratory analysis of soil around the waste oil UST was conducted for diesel and heavy oil-range hydrocarbons, volatile organic compounds (VOCs), polychlorinated biphenyls (PCBs), and RCRA 8 metals (which were non-detect). Laboratory analysis for the soils around the three USTs was for the presence of gasoline and benzene, toluene, ethylbenzene, and xylenes (BTEX), using method NWTPH-GX and EPA Method 8021B, respectively, and lead using EPA-Method 200.8. Laboratory results are included in Appendix A.

Soil sample results collected by DLH after soil excavation indicated that petroleum impacted soils were

still in place along the south and west ends of the excavation associated with the three USTs. A geoprobe sample outside the garage and samples underneath the garage building indicated that heavy oil impacted soils remain in place on the property. Previously excavated areas are shown on Figure 2. Laboratory results from DLH sampling will be inputted into Ecology's Environmental Information Management (EIM) system after the system has been updated (August 2013).

#### **Section 4.0 Scope of Services**

The scope of services for EnviroSound's investigation consisted of: 1) excavating test pits in the area of the impacted soils with a trackhoe excavator and the collection of soil samples, 2) chemical analysis of soil for Total Petroleum Hydrocarbons (TPH) in the diesel-extended range (method NWTPH-Dx) and the gasoline-range (method NWTPH-Gx) with the BTEX constituents (EPA method 8021B), and 3) preparation of a report documenting the field investigation and findings.

#### **Section 5.0 Field and Laboratory Procedures**

Field activities for collection of soil samples in the area of the former waste oil UST occurred on February 22, 2013, with one test pit placed within the former garage building and another outside the former building footprint. Field activities for collecting soil samples for the three USTs were performed on March 28, 2013. Test pit locations are shown on Figure 2.

##### **5.1 Soil Sampling**

Soil from the test pits were collected from the excavator bucket. Each soil sample was viewed for staining from petroleum and the presence of any petroleum odors.

Soil samples were selected for analysis based on depths from the previous sampling performed by DLH. Soil samples were collected at depths ranging from 5.0 to 9.0 feet in the former garage and 7.0 feet in the area of DLH Environmental consulting B-1. Soil samples in the area of the former UST's were collected at a depth of 15.0 to 16.0 feet. Soil samples for TPH diesel-range analysis were collected using individual stainless steel spoons and four-ounce glass jars which were laboratory-certified. Samples were placed into the jars, leaving no headspace, labeled, placed into a ziplock bag, and then placed into a cooler with ice-substitute. Soil samples for gasoline range hydrocarbons were collected utilizing a plunger and placed in glass vials. The cooler was delivered by courier to ALS Laboratories for analysis using proper chain-of-custody protocols.

##### **5.2 Laboratory Analytical Methods**

The submitted soil samples were analyzed by ALS Laboratories for the following:

- Diesel and Oil-Range Hydrocarbon by Method NWTPH-Dx,
- Gasoline-Range Hydrocarbon and BTEX by Method NWTPH-Gx and EPA Method 8021B, respectively.

#### **Section 6.0 Site Geological Characteristics**

The subject site is located at an elevation of about 100 feet above mean sea level in the City of Bremerton Washington. The soil conditions encountered in the EnviroSound test pits were approximately 2.5 feet of fill, underlain by a stiff to hard gray, slightly sandy Silt with trace clay to a depth of approximately 16.0 feet.

No groundwater was encountered in the geoprobe sample locations or in the test pit excavations to depths of 20 and 16 feet respectively.

## Section 7.0 Environmental Sample Results

Analysis and interpretation of the data generated during the laboratory testing is presented in the following sections. Where appropriate, the results are compared with regulatory limits for the chemicals identified in the soil and groundwater. Model Toxics Control Act (MTCA) Method A Cleanup Levels for Unrestricted Land Uses are shown for comparison with the analytical results. Those results shown as “less than” (<) are below detection limits, with the detection limit value following the “<”. Copies of the Certified Analytical Results and Chain-of-Custody Records are included in Appendix B.

### 7.1 Soil

Soil samples were collected from depths below previous sampling performed by DLH Consulting. The laboratory analytical results are listed in Table 1 for the Diesel and Oil-range Hydrocarbon and in Table 2 for the Gasoline-range Hydrocarbon and BTEX compounds. No concentrations of any of the parameters were detected above the detection limits or above the applicable cleanup levels.

**Table 1. Summary of Soil Diesel and Oil Results  
2101 Burwell Place, Bremerton, Washington**

Location	Sampling Depth	Diesel (mg/kg)	Lube Oil (mg/kg)
Former Hydraulic Lift	@ 9.0 feet	< 25	< 50
Former Waste Oil UST	@ 5.0 feet	< 25	< 50
B-1	@7.0 feet	< 25	< 50
<b>MTCA Method A Cleanup Levels</b>		<b>2,000.</b>	<b>2,000.</b>

**Notes:**

Concentrations listed in milligrams per kilogram (mg/kg), or parts per million (ppm).  
Standards are MTCA Method A Soil Cleanup Levels from Chapter 173-200 WAC.

**Table 2. Summary of Soil Gas and BTEX Results  
2101 Burwell Place, Bremerton, Washington**

Location	Sampling Depth	Benzene	Ethyl-benzene	Toluene	Xylenes	Gas
South USTs	@ 15.0 feet	< 0.02	<0.03	< 0.05	< 0.05	< 3
West USTs	@ 15.0 feet	< 0.02	< 0.03	< 0.05	< 0.05	< 3
<b>MTCA Method A Cleanup Levels</b>		<b>0.03</b>	<b>7</b>	<b>6</b>	<b>9</b>	<b>*30/100</b>

**Notes:**

Concentrations listed in milligrams per kilograms (mg/kg), or parts per million (ppm).  
\*Gasoline cleanup levels in soil is 30 mg/kg if benzene is present, and 100 mg/kg if benzene is not present.  
Standards are MTCA Method A Soil Cleanup Levels from Chapter 173-200 WAC.

## **Section 8.0 Discussion/Conclusions**

Based on the results of this study, the following conclusions have been developed:

### **Former Fuel USTs.**

DLH supervised the excavation and removal of three fuel UST's and 75.95 tons of PCS on the northeast corner of the subject property. A confirmation sample in the south portion of the UST excavation and the west portion of the excavation were above Ecology cleanup level guidelines. Both samples were approximately 14.0 feet in depth. EnviroSound supervised the excavation of a trench in the elevated sample areas. No visible evidence of PCS was observed and no petroleum odors were noted during excavation. Soil samples were collected at 15.0 feet to 16.0 feet below existing grade with soil sample results for Gas and BTEX below detection limits.

### **Former Garage**

DLH supervised the removal of a waste oil tank and a hydraulic lift in the small garage building. EnviroSound collected two samples from beneath the (former) garage building as well as one soil sample just outside (north) of the garage in the area of geoprobe B-1. Soil sample results were all below the detectable limits for heavy hydrocarbons. No stained soils or odors were observed during the excavation process.

With the removal of the fuel USTs and associated 75.95 tons of PCS as well as the removal of the waste oil UST and hydraulic lift, the sources of contamination on the site has been removed. No groundwater was encountered in the borings by DLH to a depth of 20 feet.

## **Section 9.0 Recommendations**

EnviroSound recommends that a No Further Action (NFA) designation be requested from the Washington Department of Ecology. All laboratory data from DLH and EnviroSound sampling activities will be inputted into the Department of Ecology EIM system when the system is updated in August 2013.



**Section 10.0 Limitations**

The findings in this report are based on the results of field and laboratory investigations, along with the interpretation of surface and subsurface conditions associated with our soil samples. The data presented should be considered representative of the time of our observations. Changes in the condition of the property can occur over time by both natural processes and human activities. Additionally, changes in government codes, regulations or laws may occur.

A laboratory certified by the State of Washington, Department of Ecology, performed the analytical testing. The results are accurate only to the degree of testing accuracy required, the representative nature of the samples obtained, and professional interpretation.

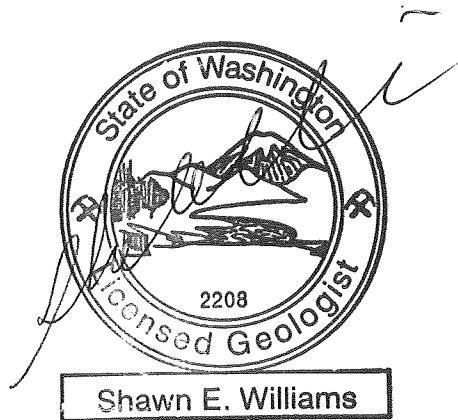
This report has been prepared for the exclusive use of the client noted on the cover page, and their agents for specific application to the subject site. Use or reliance upon this report by a third party is at their own risk. EnviroSound does not make any representation or warranty, express or implied, to such other parties as to the accuracy or completeness of this report or the suitability of its use by such other parties for any purpose whatever, known or unknown, to EnviroSound.

If you have any questions, or if we can be of further assistance, please do not hesitate to contact our office at (360) 698-5950.

Respectfully submitted,  
EnviroSound Consulting, Inc.



Shawn E. Williams, L.G.  
Senior Environmental Geologist



7-29-13

## References

Phase II Environmental Site Assessment Activities for 2101 Burwell Place, Bremerton, WA. by DLH Environmental Consulting, dated June 17, 2010.

Underground Storage Tank Decommissioning and Final Cleanup Report for 2101 Burwell Place, Bremerton, WA. by DLH Environmental Consulting, dated January 12, 2011

## PHOTOGRAPHS



Photo 1: Former waste oil UST location in garage building. Building in process of being demolished.



Photo 2: Excavation in former waste oil location.



Photo 3. Sampling locations in the former waste oil UST area.



Photo 4. Begin excavation in the test pit outside the former garage building footprint.



Photo 5. Excavation in the area of the former USTs.



Map adapted from Kitsap parcel search 5/2013

Not to Scale



**FIGURE 1. Vicinity Map**

Project Name: Burwell Place  
Location: Bremerton, Washington  
Project: ESC13-E002  
Client: Frick N Frack Holdings LLC  
Date: May 2013



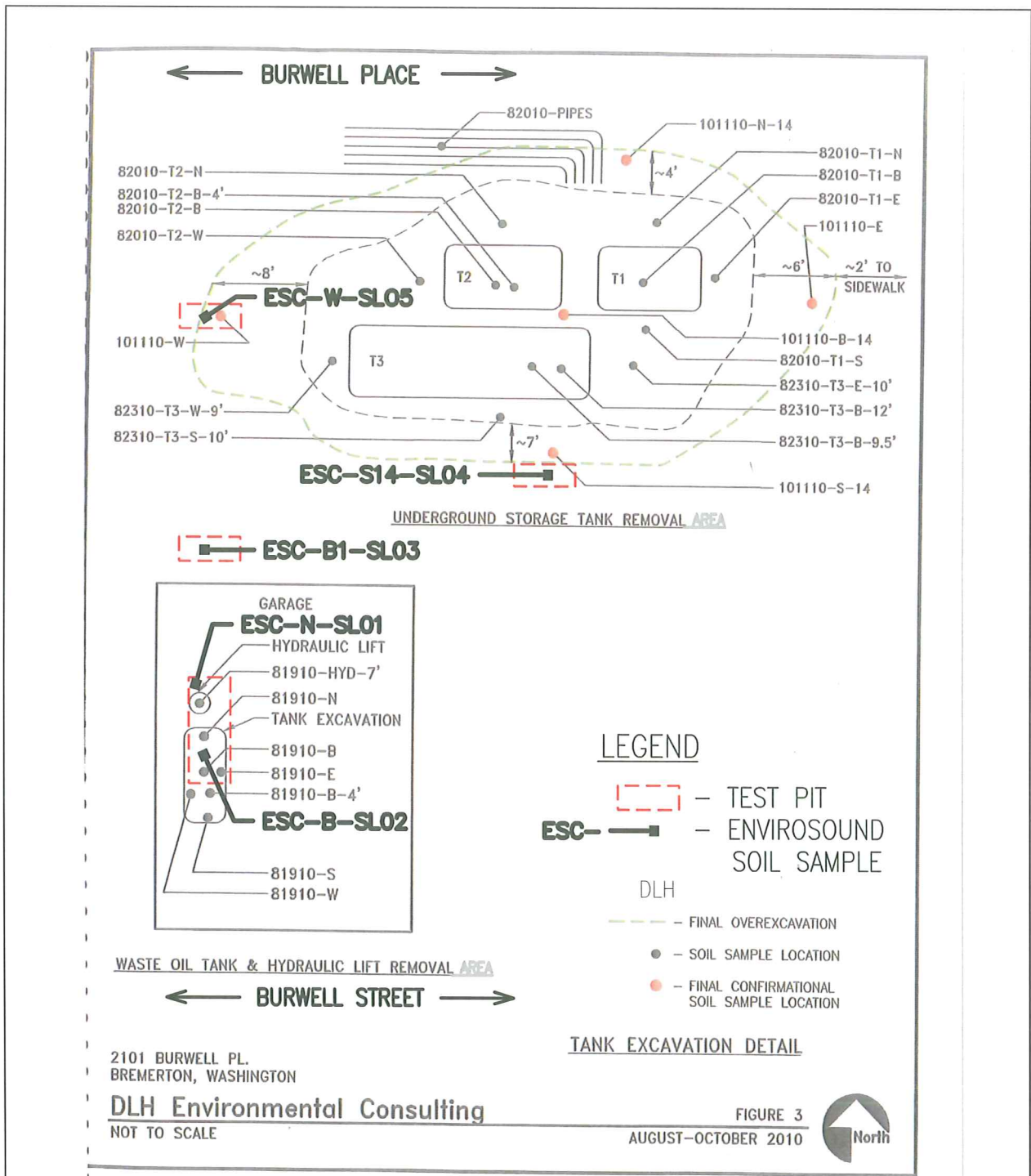


Figure Provided by DLH Environmental Consulting

Not to Scale



**FIGURE 2. Site Map**

Project Name: Burwell Place  
 Location: Bremerton, Washington  
 Project: ESC13-E002  
 Client: Frick N Frack Holdings LLC  
 Date: May 2013



# Appendix A



**PHASE II ENVIRONMENTAL SITE ASSESSMENT  
ACTIVITIES**

**L&E AUTO SALES  
2101 BURWELL PLACE  
BREMERTON, WASHINGTON 98132**

**SUBMITTED TO:**

**HARRY B. ROMBERG  
11538 17<sup>TH</sup> AVENUE NE  
SEATTLE, WASHINGTON 98125**

**PREPARED BY:**

**DONNA HEWITT, L.G.  
DLH ENVIRONMENTAL CONSULTING  
2400 NW 80<sup>TH</sup> STREET No. 114  
SEATTLE, WASHINGTON 98117-4449**

**JUNE 17, 2010**

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## APPENDICES

APPENDIX A: Site Map, Site Sketch, Site Photographs

APPENDIX B: Laboratory Reports, Chain of Custody Forms

## **1.0 PROJECT DESCRIPTION/SCOPE OF WORK**

On June 3, 2010, Donna Hewitt of DLH Environmental Consulting (DLH) conducted a Phase II Site Assessment of the subject property located at 2101 Burwell Place in Bremerton, Washington.

The scope of work for this study was to access the subsurface soil and water (if applicable) by advancing a Geoprobe into the subsurface soil in six locations around the perimeter of the property. Ten soil samples were collected. Sample collection was conducted using a truck mounted Geoprobe. A site sketch showing locations of the borings is provided in Appendix A.

Geoprobe activities were completed by Cascade Drilling of Woodenville, Washington. Laboratory analysis was conducted by Friedman & Bruyah, Inc of Seattle, Washington.

### **1.1 Background**

Previous historical evaluations identified the potential presence of a three-pump island gas station on the property. No evidence for the removal of the tanks was found; however, all three pump islands have been removed. Currently there is one waste oil tank (500-1000 gallon) located on the southwest corner of the property in a garage.

## **2.0 METHODS OF INVESTIGATION**

DLH collected soil and water samples with a Geoprobe. This process involves driving a large-bore steel soil sampler (sealed piston sampler) to the required depth, then opening the sampler to advance a core (1.125" diameter) sampler, which collects soil samples. The soil samples were collected in 4-foot plastic sampling tubes. The soil was removed from the tubes and transferred directly into sterilized glassware sample jars furnished by the project laboratory.

No groundwater was found in any of the borings. The bore was advanced to 20 feet below ground level.

In an effort to minimize the loss of any volatile hydrocarbons that may have been present in the soil, the samples were stored in an iced chest until delivered to the laboratory.

All EPA-established sample-handling protocols, including chain of custody procedures, were observed during the course of the project. Laboratory results and chain of custody forms are located in Appendix B.

### **3.0 RESULTS OF INVESTIGATION**

#### **3.1 Soil Conditions**

Subsurface native soils consisted of brown, very gravelly loam intermixed with grayish brown sandy loam. Some imported backfill materials were noted in Borings 2 and 3 (from 1 to 3 feet below ground level), which are most likely due to the road building along Burwell Street.

#### **3.2 Groundwater**

Groundwater was not encountered.

#### **3.3 Hydrocarbon Testing**

Soil samples were collected from each boring and tested for hydrocarbon identification using Method NWTPH-HCID. One sample (B1-6) was found to have diesel or heavy oil and subsequently that sample was analyzed using Method NWTPH-Dx. The results of laboratory analysis are presented in Table A. Laboratory reports are located in Appendix B.

Current Washington State Department of Ecology (WDOE) cleanup levels for diesel in soil using Method A are as follows:

Diesel and Heavy Oil      2000 ppm

(Taken from Model Toxics Control Act (MTCA) 173-360-900 Table 740-1 (soil) and Table 720-1)

**TABLE A**  
**Soil Sample Analytical Results**

Sample Number	Location	Analytical Method	Results
B1-6	Boring 1, at 6 ft below ground level (bgl)	NWTPH-HCID NWTPH-Dx	Heavy oil detected 2500 ppm
B1-10	Boring 1, @ 10 ft bgl	NWTPH-HCID	BC
B2-15	Boring 2, @ 15 ft bgl	NWTPH-HCID	BC
B3-15	Boring 3, @ 15 ft bgl	NWTPH-HCID	BC
B4-15	Boring 4, @ 15 ft bgl	NWTPH-HCID	BC
B5-15	Boring 5, @ 15 ft bgl	NWTPH-HCID	BC
B5-20	Boring 5, @ 20 ft bgl	NWTPH-HCID	BC
B6-3	Boring 6, @ 3 ft bgl	NWTPH-HCID	BC
B6-10	Boring 6, @ 10 ft bgl	NWTPH-HCID	BC
B6-15	Boring 6, @ 15 ft bgl	NWTPH-HCID	BC

NWTPH-HCID = Northwest total petroleum hydrocarbons identification  
NWTPH-Dx = Northwest total petroleum hydrocarbon for diesel and heavy oils  
BC = Below Cleanup

#### **4.0 CONCLUSIONS**

Based on laboratory analytical results, one sample (B1-6) contained heavy oil above the current Washington State Department of Ecology Model Toxics Control Act (MTCA) cleanup level, which is 2000 ppm. This sample was collected 6 feet below the ground surface and the location was adjacent to the car service garage located on the southwest corner of the property.

#### **5.0 RECOMMENDATIONS**

The waste oil tank located in the garage should be removed and any associated impacted soil should be mitigated. At that time, the soil in the area where B1-6 was found to have heavy oil contamination above the cleanup level should also be excavated and disposed of at a permitted facility (most likely Waste Management's Olympic View transfer station in Bremerton).

Since no data was found to confirm the removal of the former gasoline tanks, test pits should be dug to determine if the tanks are still in the ground and soil sampling can be conducted to confirm the presence or absence of petroleum impacted soils.

## **6.0 LIMITATIONS**

The soil borings completed during this project were located predominantly on the perimeter of the property to investigate whether or not contamination existed that could be migrating off site. The interior part of the property was not accessed and therefore is exempt from this study.

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

Recommendations and conclusions contained in this report are based on evaluation of technical information made available and reviewed during the course of this survey. Our work product and judgement rendered meet the standard of care of our profession at this time. Conclusions are based on site conditions and the analysis of samples taken from the site on June 3, 2010. This assessment covers the areas where soil samples were collected and based on information supplied by the current property owner. It does not confirm that the entire property is free of contamination.

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

This report is for the exclusive use of Harry B. Romberg, the Estate of Mevelyn Romberg, and their representatives. If new information becomes available as a result of future site work, which may include excavations, borings, studies, etc., DLH Environmental Consulting reserves the right to reevaluate the conclusions of this report and to provide amendments as required. This report is valid for a period of 6 months.

**APPENDIX A**

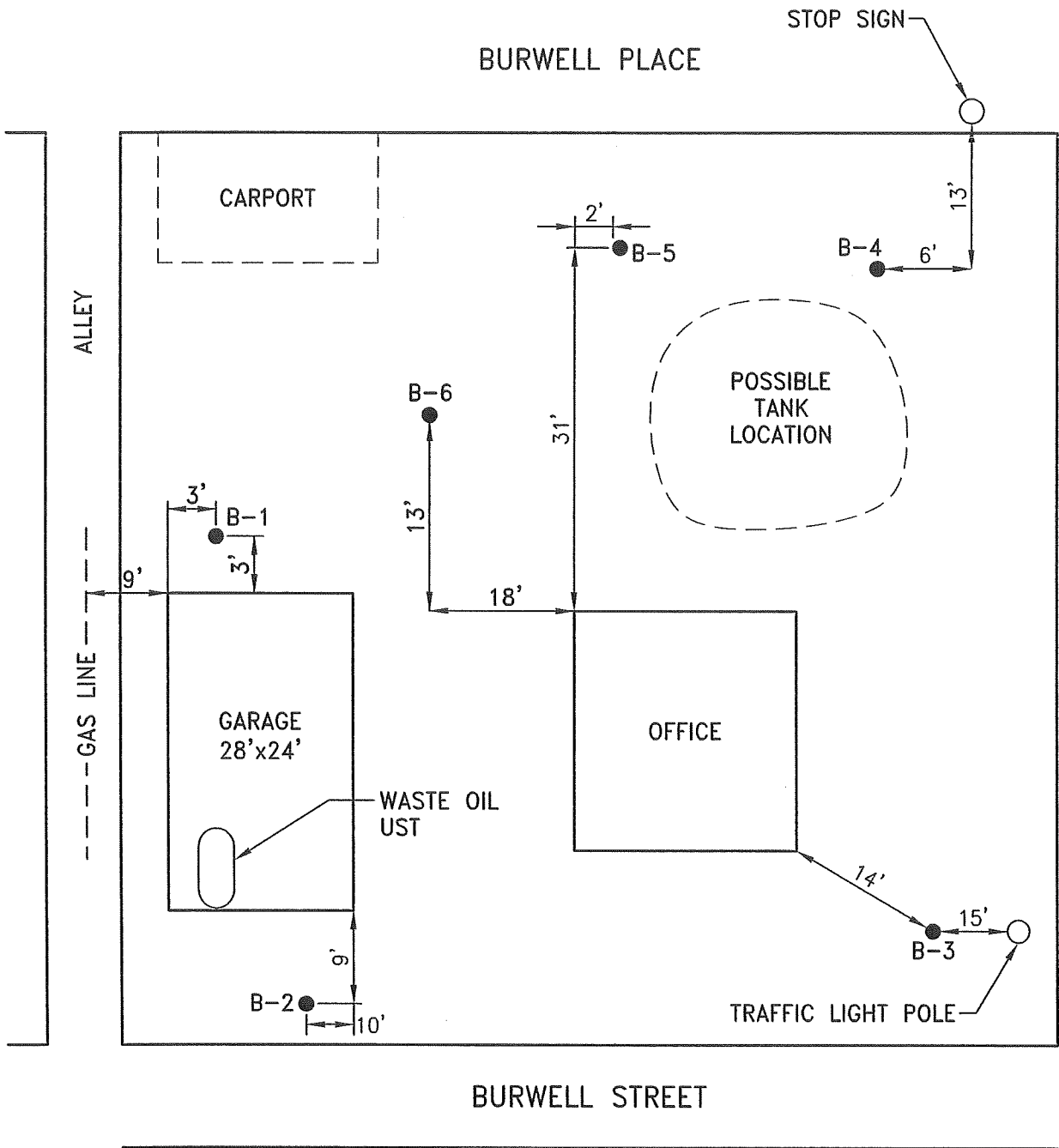
**SITE MAP**

**SITE SKETCH**

**SITE PHOTOGRAPHS**







L & E AUTO SALES  
 2101 BURWELL PL.  
 BREMERTON, WASHINGTON

● - BORING LOCATION

**DLH Environmental Consulting**

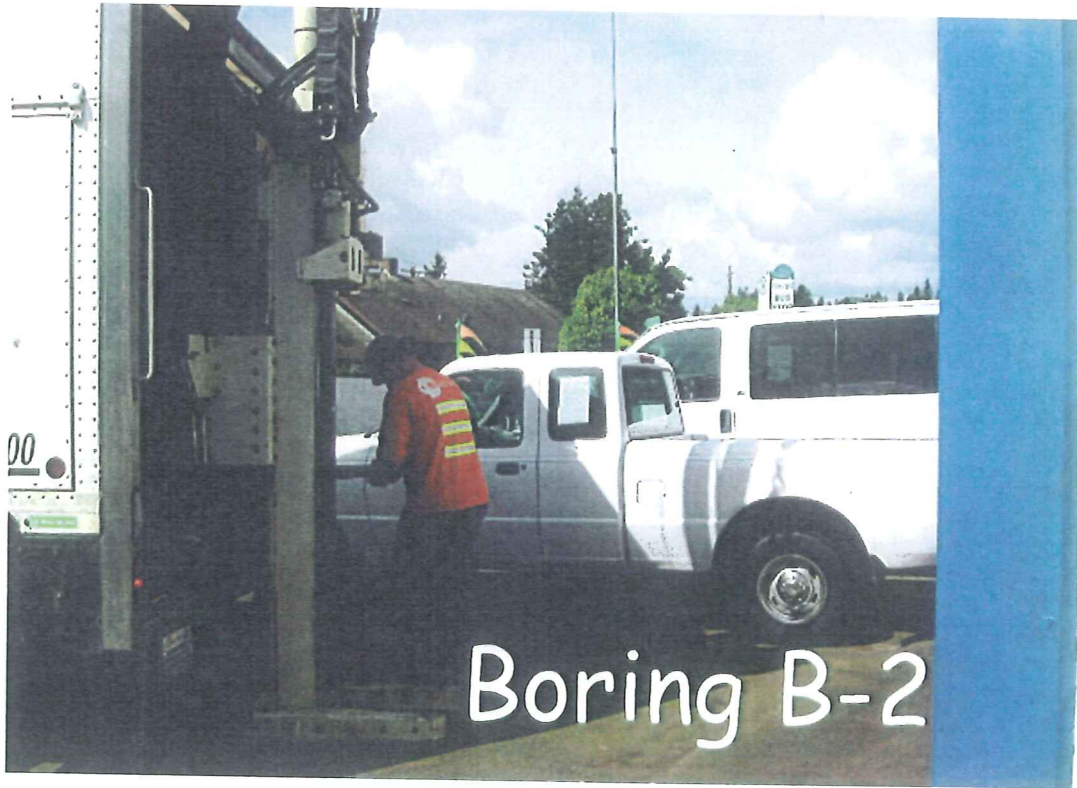
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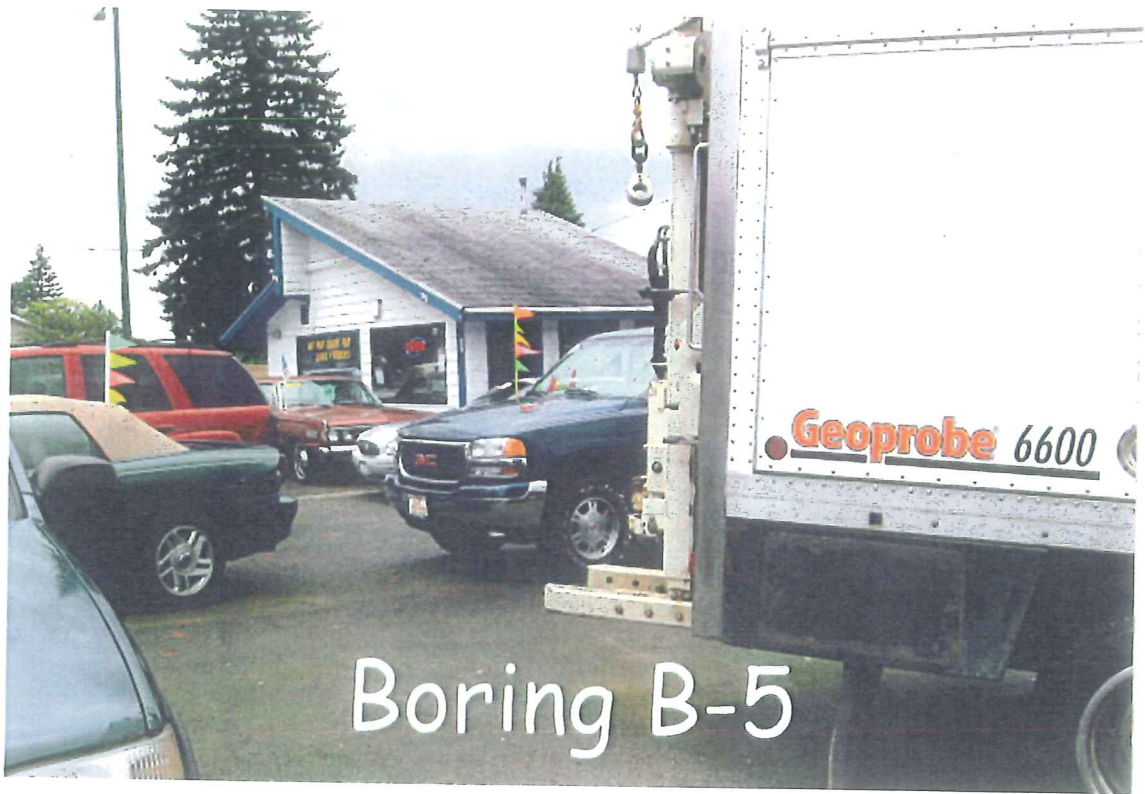


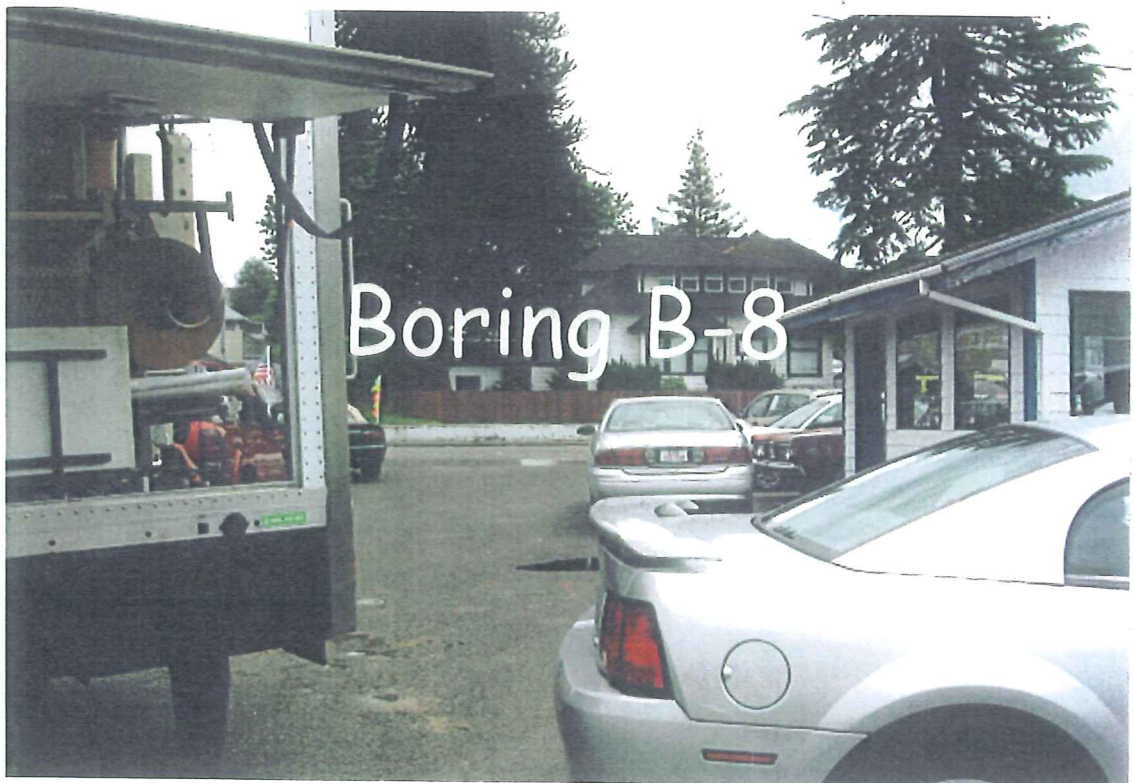
Boring B-1



Boring B-2







**APPENDIX B**

**LABORATORY REPORTS**

**CHAIN OF CUSTODY FORMS**

**MTCA CLEANUP LEVELS TABLE 740-1**



FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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

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FAX: (206) 283-5044  
e-mail: fbi@isomedia.com

June 11, 2010

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

Dear Ms. Hewitt:

Included are the results from the testing of material submitted on June 3, 2010 from the L&E Auto Sales, F&BI 006038 project. There are 5 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

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

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl  
Project Manager

Enclosures  
DLH0611R.DOC



FRIEDMAN & BRUYA, INC.

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ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on June 3, 2010 by Friedman & Bruya, Inc. from the DLH Environmental Consulting L&E Auto Sales, F&BI 006038 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>DLH Environmental Consulting</u>
006038-01	B1-6
006038-02	B1-10
006038-03	B2-15
006038-04	B3-15
006038-05	B4-15
006038-06	B5-15
006038-07	B5-20
006038-08	B6-3
006038-09	B6-10
006038-10	B6-15

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/11/10  
 Date Received: 06/03/10  
 Project: L&E Auto Sales, F&BI 006038  
 Date Extracted: 06/07/10  
 Date Analyzed: 06/08/10

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES  
 FOR GASOLINE, DIESEL AND HEAVY OIL BY NWTPH-HCID  
 Results Reported as Not Detected (ND) or Detected (D)**

THE DATA PROVIDED BELOW WAS PERFORMED PER THE GUIDELINES ESTABLISHED BY THE WASHINGTON DEPARTMENT OF ECOLOGY AND WERE NOT DESIGNED TO PROVIDE INFORMATION WITHGARDS TO THE ACTUAL IDENTIFICATION OF ANY MATERIAL PRESENT

<u>Sample ID</u> Laboratory ID	<u>Gasoline</u>	<u>Diesel</u>	<u>Heavy Oil</u>	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 50-150)
B1-6 006038-01	ND	ND	D	105
B1-10 006038-02	ND	ND	ND	111
B2-15 006038-03	ND	ND	ND	101
B3-15 006038-04	ND	ND	ND	105
B4-15 006038-05	ND	ND	ND	103
B5-15 006038-06	ND	ND	ND	102
B5-20 006038-07	ND	ND	ND	106
B6-3 006038-08	ND	ND	ND	113
B6-10 006038-09	ND	ND	ND	111
B6-15 006038-10	ND	ND	ND	111
Method Blank 00-0843 MB	ND	ND	ND	102

ND - Material not detected at or above 20 mg/kg gas, 50 mg/kg diesel and 250 mg/kg heavy oil.

Date of Report: 06/11/10  
 Date Received: 06/03/10  
 Project: L&E Auto Sales, F&BI 006038  
 Date Extracted: 06/09/10  
 Date Analyzed: 06/09/10

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES  
 FOR TOTAL PETROLEUM HYDROCARBONS AS  
 DIESEL AND MOTOR OIL  
 USING METHOD NWTPH-Dx**  
 Results Reported on a Dry Weight Basis  
 Results Reported as mg/kg (ppm)

<u>Sample ID</u> Laboratory ID	<u>Diesel Range</u> (C <sub>10</sub> -C <sub>25</sub> )	<u>Motor Oil Range</u> (C <sub>25</sub> -C <sub>36</sub> )	<u>Surrogate</u> (% Recovery) (Limit 50-150)
B1-6 006038-01	250 x	2,500	83
Method Blank 00-867 MB	<50	<250	90

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/11/10  
 Date Received: 06/03/10  
 Project: L&E Auto Sales, F&BI 006038

**QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES  
 FOR TOTAL PETROLEUM HYDROCARBONS AS  
 DIESEL EXTENDED USING METHOD NWTPH-Dx**

Laboratory Code: 006091-03 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	103	104	63-146	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	93	79-144

**Data Qualifiers & Definitions**

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- A1 - More than one compound of similar molecule structure was identified with equal probability.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte indicated may be due to carryover from previous sample injections.
- d - The sample was diluted. Detection limits may be raised due to dilution.
- ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.
- dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.
- fb - Analyte present in the blank and the sample.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.
- ht - Analysis performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The result is below normal reporting limits. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.
- jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the compound indicated is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received in a container not approved by the method. The value reported should be considered an estimate.
- pr - The sample was received with incorrect preservation. The value reported should be considered an estimate.
- ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

**Table 740-1**  
**Method A Soil Cleanup Levels**  
**for Unrestricted Land Uses.<sup>a</sup>**

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

Footnotes:

- a **Caution on misusing this table.** This table has been developed for specific purposes. It is intended to provide conservative cleanup levels for sites undergoing routine cleanup actions or for sites with relatively few hazardous substances, and the site qualifies under WAC 173-340-7491 for an exclusion from conducting a simplified or site-specific terrestrial ecological evaluation, or it can be demonstrated using a terrestrial ecological evaluation under WAC 173-340-7492 or 173-340-7493 that the values in this table are ecologically protective for the site. This table may not be appropriate for defining cleanup levels at other sites. For these reasons, the values in this table should not automatically be used to define cleanup levels that must be met for financial, real estate, insurance coverage or placement, or similar transactions or purposes. Exceedances of the values in this table do not necessarily mean the soil must be restored to these levels at a site. The level of restoration depends on the remedy selected under WAC 173-340-350 through 173-340-390.
- b **Arsenic.** Cleanup level based on direct contact using Equation 740-2 and protection of ground water for drinking water use using the procedures in WAC 173-340-747(4), adjusted for natural background for soil.
- c **Benzene.** Cleanup level based on protection of ground water for drinking water use, using the procedures in WAC 173-340-747(4) and (6).
- d **Benzo(a)pyrene.** Cleanup level based on direct contact using Equation 740-2. If other carcinogenic PAHs are suspected of being present at the site, test for them and use this value as the total concentration that all carcinogenic PAHs must meet using the toxicity equivalency methodology in WAC 173-340-708(8).
- e **Cadmium.** Cleanup level based on protection of ground water for drinking water use, using the procedures described in WAC 173-340-747(4), adjusted for the practical quantitation limit for soil.
- f1 **Chromium VI.** Cleanup level based on protection of ground water for drinking water use, using the procedures described in WAC 173-340-747(4).
- f2 **Chromium III.** Cleanup level based on protection of ground water for drinking water use, using the procedures described in WAC 173-340-747(4). Chromium VI must also be tested for and the cleanup level met when present at a site.
- g **DDT (dichlorodiphenyltrichloroethane).** Cleanup level based on direct contact using Equation 740-2.
- h **Ethylbenzene.** Cleanup level based on protection of ground water for drinking water use, using the procedures described in WAC 173-340-747(4).
- i **Ethylene dibromide (1,2 dibromoethane or EDB).** Cleanup level based on protection of ground water for drinking water use, using the procedures described in WAC 173-340-747(4) and adjusted for the practical quantitation limit for soil.
- j **Lead.** Cleanup level based on preventing unacceptable blood lead levels.
- k **Lindane.** Cleanup level based on protection of ground water for drinking water use, using the procedures described in WAC 173-340-747(4), adjusted for the practical quantitation limit.
- l **Methylene chloride (dichloromethane).** Cleanup level based on protection of ground water for drinking water use, using the procedures described in WAC 173-340-747(4).
- m **Mercury.** Cleanup level based on protection of ground water for drinking water use, using the procedures described in WAC 173-340-747(4).
- n **Methyl tertiary-butyl ether (MTBE).** Cleanup level based on protection of ground water for drinking water use, using the procedures described in WAC 173-340-747(4).
- o **Naphthalenes.** Cleanup level based on protection of ground water for drinking water use, using the procedures described in WAC 173-340-747(4). This is a total value for naphthalene, 1-methyl naphthalene and 2-methyl naphthalene.
- p **PCB Mixtures.** Cleanup level based on applicable federal law (40 C.F.R. 761.61). This is a total value for all PCBs.

- q **Tetrachloroethylene.** Cleanup level based on protection of ground water for drinking water use, using the procedures described in WAC 173-340-747(4).
- r **Toluene.** Cleanup level based on protection of ground water for drinking water use, using the procedures described in WAC 173-340-747(4).
- s **Total Petroleum Hydrocarbons (TPH).**  
TPH cleanup values have been provided for the most common petroleum products encountered at contaminated sites. Where there is a mixture of products or the product composition is unknown, samples must be tested using both the NWTPH-Gx and NWTPH-Dx methods and the lowest applicable TPH cleanup level must be met.
- **Gasoline range organics** means organic compounds measured using method NWTPH-Gx. Examples are aviation and automotive gasoline. The cleanup level is based on protection of ground water for noncarcinogenic effects during drinking water use using the procedures described in WAC 173-340-747(6). Two cleanup levels are provided. The lower value of 30 mg/kg can be used at any site. When using this lower value, the soil must also be tested for and meet the benzene soil cleanup level. The higher value of 100 mg/kg can only be used if the soil is tested and found to contain no benzene and the total of ethyl benzene, toluene and xylene are less than 1% of the gasoline mixture. No interpolation between these cleanup levels is allowed. In both cases, the soil cleanup level for any other carcinogenic components of the petroleum [such as EDB and EDC], if present at the site, must also be met. Also, in both cases, soil cleanup levels for any noncarcinogenic components [such as toluene, ethylbenzene, xylenes, naphthalene, and MTBE], also must be met if these substances are found to exceed ground water cleanup levels at the site. See Table 830-1 for the minimum testing requirements for gasoline releases.
  - **Diesel range organics** means organic compounds measured using method NWTPH-Dx. Examples are diesel, kerosene, and #1 and #2 heating oil. The cleanup level is based on preventing the accumulation of free product on the ground water, as described in WAC 173-340-747(10). The soil cleanup level for any carcinogenic components of the petroleum [such as benzene and PAHs], if present at the site, must also be met. Soil cleanup levels for any noncarcinogenic components [such as toluene, ethylbenzene, xylenes and naphthalenes], also must be met if these substances are found to exceed the ground water cleanup levels at the site. See Table 830-1 for the minimum testing requirements for diesel releases.
  - **Heavy oils** means organic compounds measured using NWTPH-Dx. Examples are #6 fuel oil, bunker C oil, hydraulic oil and waste oil. The cleanup level is based on preventing the accumulation of free product on the ground water, as described in WAC 173-340-747(10) and assuming a product composition similar to diesel fuel. The soil cleanup level for any carcinogenic components of the petroleum [such as benzene, PAHs and PCBs], if present at the site, must also be met. Soil cleanup levels for any noncarcinogenic components [such as toluene, ethylbenzene, xylenes and naphthalenes], also must be met if found to exceed the ground water cleanup levels at the site. See Table 830-1 for the minimum testing requirements for heavy oil releases.
  - **Mineral oil** means non-PCB mineral oil, typically used as an insulator and coolant in electrical devices such as transformers and capacitors, measured using NWTPH-Dx. The cleanup level is based on preventing the accumulation of free product on the ground water, as described in WAC 173-340-747(10). Sites using this cleanup level must also analyze soil samples and meet the soil cleanup level for PCBs, unless it can be demonstrated that: (1) The release originated from an electrical device that was manufactured after July 1, 1979; or (2) oil containing PCBs was never used in the equipment suspected as the source of the release; or (3) it can be documented that the oil released was recently tested and did not contain PCBs. Method B must be used for releases of oils containing greater than 50 ppm PCBs.
- t **1,1,1 Trichloroethane.** Cleanup level based on protection of ground water for drinking water use, using the procedures described in WAC 173-340-747(4).
- u **Trichloroethylene.** Cleanup level based on protection of ground water for drinking water use, using the procedures described in WAC 173-340-747(4).
- v **Xylenes.** Cleanup level based on protection of ground water for drinking water use, using the procedures described in WAC 173-340-747(4). This is a total value for all xylenes.
- See Table 830-1 for the minimum testing requirements for mineral oil releases.

WAC 173-340-900 Tables.

Footnotes:

**Table 720-1  
Method A Cleanup Levels for Ground Water.<sup>a</sup>**

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

- a **Caution on misusing this table.** This table has been developed for specific purposes. It is intended to provide conservative cleanup levels for drinking water beneficial uses at sites undergoing routine cleanup actions or those sites with relatively few hazardous substances. This table may not be appropriate for defining cleanup levels at other sites. For these reasons, the values in this table should not automatically be used to define cleanup levels that must be met for financial, real estate, insurance coverage or placement, or similar transactions or purposes. Exceedances of the values in this table do not necessarily mean the ground water must be restored to those levels at all sites. The level of restoration depends on the remedy selected under WAC 173-340-350 through 173-340-390.
- b **Arsenic.** Cleanup level based on background concentrations for state of Washington.
- c **Benzene.** Cleanup level based on applicable state and federal law (WAC 246-290-310 and 40 C.F.R. 141.61).
- d **Benzo(a)pyrene.** Cleanup level based on applicable state and federal law (WAC 246-290-310 and 40 C.F.R. 141.61), adjusted to a  $1 \times 10^{-5}$  risk. If other carcinogenic PAHs are suspected of being present at the site, test for them and use this value as the total concentration that all carcinogenic PAHs must meet using the toxicity equivalency methodology in WAC 173-340-708(8).
- e **Cadmium.** Cleanup level based on applicable state and federal law (WAC 246-290-310 and 40 C.F.R. 141.62).
- f **Chromium (Total).** Cleanup level based on concentration derived using Equation 720-1 for hexavalent chromium. This is a total value for chromium III and chromium VI. If just chromium III is present at the site, a cleanup level of 100 ug/l may be used (based on WAC 246-290-310 and 40 C.F.R. 141.62).
- g **DDT (dichlorodiphenyltrichloroethane).** Cleanup levels based on concentration derived using Equation 720-2.
- h **1,2 Dichloroethane (ethylene dichloride or EDC).** Cleanup level based on applicable state and federal law (WAC 246-290-310 and 40 C.F.R. 141.61).
- i **Ethylbenzene.** Cleanup level based on applicable state and federal law (WAC 246-290-310 and 40 C.F.R. 141.61).
- j **Ethylene dibromide (1,2 dibromoethane or EDB).** Cleanup level based on concentration derived using Equation 720-2, adjusted for the practical quantitation limit.
- k **Gross Alpha Particle Activity, excluding uranium.** Cleanup level based on applicable state and federal law (WAC 246-290-310 and 40 C.F.R. 141.15).
- l **Gross Beta Particle Activity, including gamma activity.** Cleanup level based on applicable state and federal law (WAC 246-290-310 and 40 C.F.R. 141.15).
- m **Lead.** Cleanup level based on applicable state and federal law (40 C.F.R. 141.80).
- n **Lindane.** Cleanup level based on applicable state and federal law (WAC 246-290-310 and 40 C.F.R. 141.61).
- o **Methylene chloride (dichloromethane).** Cleanup level based on applicable state and federal law (WAC 246-290-310 and 40 C.F.R. 141.61).
- p **Mercury.** Cleanup level based on applicable state and federal law (WAC 246-290-310 and 40 C.F.R. 141.62).
- q **Methyl tertiary-butyl ether (MTBE).** Cleanup level based on federal drinking water advisory level (EPA-822-F-97-009, December 1997).
- r **Naphthalenes.** Cleanup level based on concentration derived using Equation 720-1. This is a total value for naphthalene, 1-methyl naphthalene and 2-methyl naphthalene.
- s **PCB mixtures.** Cleanup level based on concentration derived using Equation 720-2, adjusted for the practical quantitation limit. This cleanup level is a total value for all PCBs.
- t **Radium 226 and 228.** Cleanup level based on applicable state and federal law (WAC 246-290-310 and 40 C.F.R. 141.15).
- u **Radium 226.** Cleanup level based on applicable state law (WAC 246-290-310).

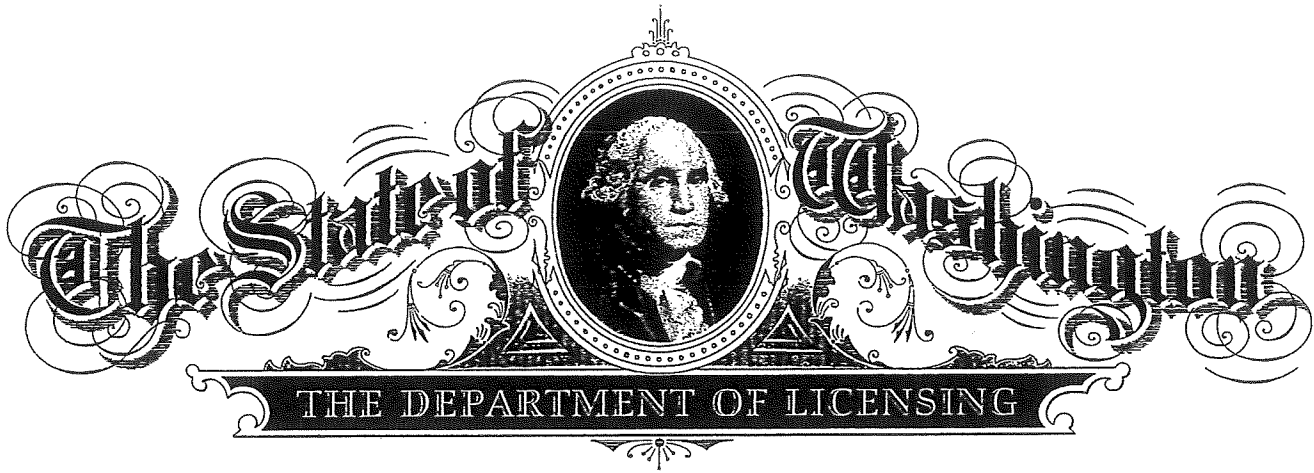


- v **Tetrachloroethylene.** Cleanup level based on applicable state and federal law (WAC 246-290-310 and 40 C.F.R. 141.61).
- w **Toluene.** Cleanup level based on applicable state and federal law (WAC 246-290-310 and 40 C.F.R. 141.61).
- x **Total Petroleum Hydrocarbons (TPH).** TPH cleanup values have been provided for the most common petroleum products encountered at contaminated sites. Where there is a mixture of products or the product composition is unknown, samples must be tested using both the NWTPH-Gx and NWTPH-Dx methods and the lowest applicable TPH cleanup level must be met.
  - **Gasoline range organics** means organic compounds measured using method NWTPH-Gx. Examples are aviation and automotive gasoline. The cleanup level is based on protection of ground water for noncarcinogenic effects during drinking water use. Two cleanup levels are provided. The higher value is based on the assumption that no benzene is present in the ground water sample. If any detectable amount of benzene is present in the ground water sample, then the lower TPH cleanup level must be used. No interpolation between these cleanup levels is allowed. The ground water cleanup level for any carcinogenic components of the petroleum [such as benzene, EDB and EDC] and any noncarcinogenic components [such as ethylbenzene, toluene, xylenes and MTBE], if present at the site, must also be met. See Table 830-1 for the minimum testing requirements for gasoline releases.
  - **Diesel range organics** means organic compounds measured using NWTPH-Dx. Examples are diesel, kerosene, and #1 and #2 heating oil. The cleanup level is based on protection from noncarcinogenic effects during drinking water use. The ground water cleanup level for any carcinogenic components of the petroleum [such as benzene and PAHs] and any noncarcinogenic components [such as ethylbenzene, toluene, xylenes and naphthalenes], if present at the site, must also be met. See Table 830-1 for the minimum testing requirements for diesel releases.
  - **Heavy oils** means organic compounds measured using NWTPH-Dx. Examples are #6 fuel oil, bunker C oil, hydraulic oil and waste oil. The cleanup level is based on protection from noncarcinogenic effects during drinking water use, assuming a product composition similar to diesel fuel. The ground water cleanup level for any carcinogenic components of the petroleum [such as benzene, PAHs and PCBs] and any noncarcinogenic components [such as ethylbenzene, toluene, xylenes and naphthalenes], if present at the site, must also be met. See Table 830-1 for the minimum testing requirements for heavy oil releases.
  - **Mineral oil** means non-PCB mineral oil, typically used as an insulator and coolant in electrical devices such as transformers and capacitors measured using NWTPH-Dx. The cleanup level is based on protection from noncarcinogenic effects during drinking water use. Sites using this cleanup level must analyze ground water samples for PCBs and meet the PCB cleanup level in this table unless it can be demonstrated that: (1) The release originated from an electrical device manufactured after July 1, 1979; or (2) oil containing PCBs was never used in the equipment suspected as the source of the release; or (3) it can be documented that the oil released was recently tested and did not contain PCBs. Method B (or Method C, if applicable) must be used for releases of oils containing greater than 50 ppm PCBs. See Table 830-1 for the minimum testing requirements for mineral oil releases.
- y **1,1,1 Trichloroethane.** Cleanup level based on applicable state and federal law (WAC 246-290-310 and 40 C.F.R. 141.61).
- z **Trichloroethylene.** Cleanup level based on applicable state and federal law (WAC 246-290-310 and 40 C.F.R. 141.61).
- aa **Vinyl chloride.** Cleanup level based on applicable state and federal law (WAC 246-290-310 and 40 C.F.R. 141.61), adjusted to a  $1 \times 10^{-5}$  risk.
- bb **Xylenes.** Cleanup level based on xylene not exceeding the maximum allowed cleanup level in this table for total petroleum hydrocarbons and on prevention of adverse aesthetic characteristics. This is a total value for all xylenes.

**APPENDIX C**

**CERTIFICATIONS**

**GEOPROBE DATA**  
(Resource Protection Well Report )

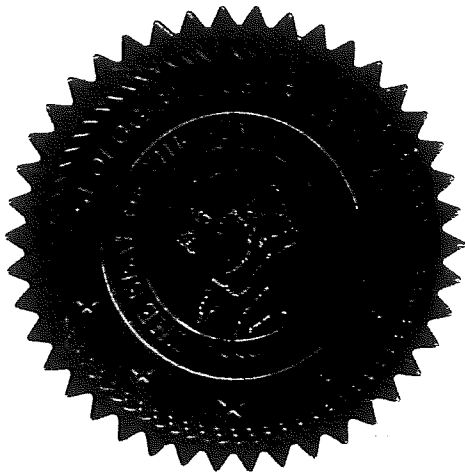


*It is hereby certified that* **Donna L. Hewitt**

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

## **Geologist**

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



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

*Fred Stephens*  
\_\_\_\_\_  
DIRECTOR

*Geologist Licensing Board*

*Jeffrey H. Randall*  
\_\_\_\_\_  
CHAIR

No. 899

# RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No.

SE07392 AED 9619

**Construction/Decommission**

Construction

Decommission ORIGINAL INSTALLATION Notice  
of Intent Number \_\_\_\_\_

**Type of Well**

Resource Protection

Geotechnical Soil Boring

Property Owner L & E Auto Sales

Site Address 2101 Burwell Pl.

City Bremerton County 18-Kitsap

Consulting Firm DLH Environmental Consultants

Location 1/4 SW 1/4 SW Sec 14 Town 24N R1E EWM

Unique Ecology Well ID

Tag No. \_\_\_\_\_

Lat/Long (s,t,r still Required) Lat Deg x Lat Min/Sec x  
Long Deg x Long Min/Sec x

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards

Materials used and the information reported above are true to my best knowledge and belief

Driller  Trainee Name (Print) Goble, Kaye

Driller/Trainee Signature [Signature]

Driller/Trainee License No. 7/2901

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 2" Static Level ---

Work/Decommission Start Date 6/3/2010

Work/Decommission Completed Date 6/3/10

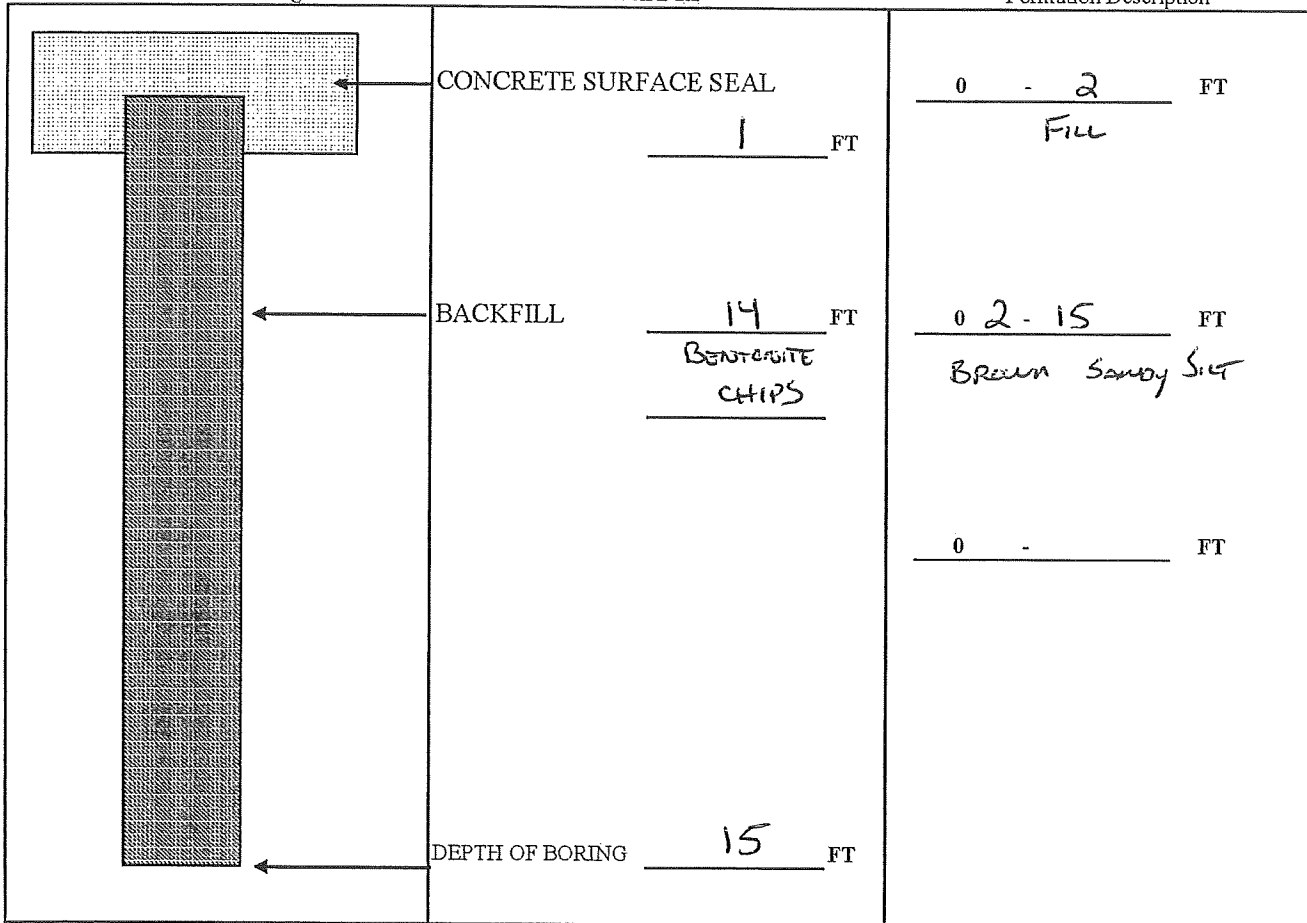
If trainee, licensed drillers' \_\_\_\_\_

Signature and License No. \_\_\_\_\_

**Construction/Design**

Well Data W10-263

**Formation Description**



Scale 1" = \_\_\_\_\_

Page \_\_\_\_\_ of \_\_\_\_\_

ECY 050-12 (Rev=v 2/01)

# RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No.

SE07392 AED 9619

**Construction/Decommission**

Construction

Decommission ORIGINAL INSTALLATION Notice of Intent Number \_\_\_\_\_

**Type of Well**

Resource Protection

Geotechnical Soil Boring

Property Owner L & E Auto Sales

Site Address 2101 Burwell Pl.

City Bremerton County 18-Kitsap

Consulting Firm DLH Environmental Consultants

Location 1/4 SW 1/4 SW Sec 14 Town 24N R 1E or EWM

Unique Ecology Well ID

Tag No. \_\_\_\_\_

Lat/Long (s,t,r Lat Deg x Lat Min/Sec x still Required) Long Deg x Long Min/Sec x

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards

Materials used and the information reported above are true to my best knowledge and belief

Driller  Trainee Name (Print) Goble, Kasey

Driller/Trainee Signature [Signature]

Driller/Trainee License No. 7/2901

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 2" Static Level —

Work/Decommission Start Date 6/3/2010

If trainee, licensed drillers' Signature and License No. \_\_\_\_\_

Work/Decommission Completed Date 6/3/10

Construction/Design	Well Data W10-263	Formation Description
	CONCRETE SURFACE SEAL <u>1</u> FT	<u>0 - 2</u> FT Fill
	BACKFILL <u>14</u> FT BENTONITE CHIPS	<u>0 2 - 15</u> FT Green Sandy Silt
	DEPTH OF BORING <u>15</u> FT	<u>0 -</u> FT

Scale 1" = \_\_\_\_\_

Page \_\_\_\_\_ of \_\_\_\_\_

ECY 050-12 (Rev=v 2/01)

# RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

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Notice of Intent No.

SE07392 AED 9619

Construction/Decommission

Construction

Decommission ORIGINAL INSTALLATION Notice  
of Intent Number \_\_\_\_\_

Type of Well

Resource Protection

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Property Owner L & E Auto Sales

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City Bremerton County 18-Kitsap

Unique Ecology Well ID

Location 1/4 SW 1/4 SW Sec 14 Town 24N R1E EWM  
or WWM

Tag No. \_\_\_\_\_

Lat/Long (s,t,r) Lat Deg x Lat Min/Sec x  
still Required) Long Deg x Long Min/Sec x

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards

Materials used and the information reported above are true to my best knowledge and belief

Driller  Trainee Name (Print) Goble, Casey

Driller/Trainee Signature [Signature]

Driller/Trainee License No. 742/2901

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 2" Static Level —

Work/Decommission Start Date 6/3/2010

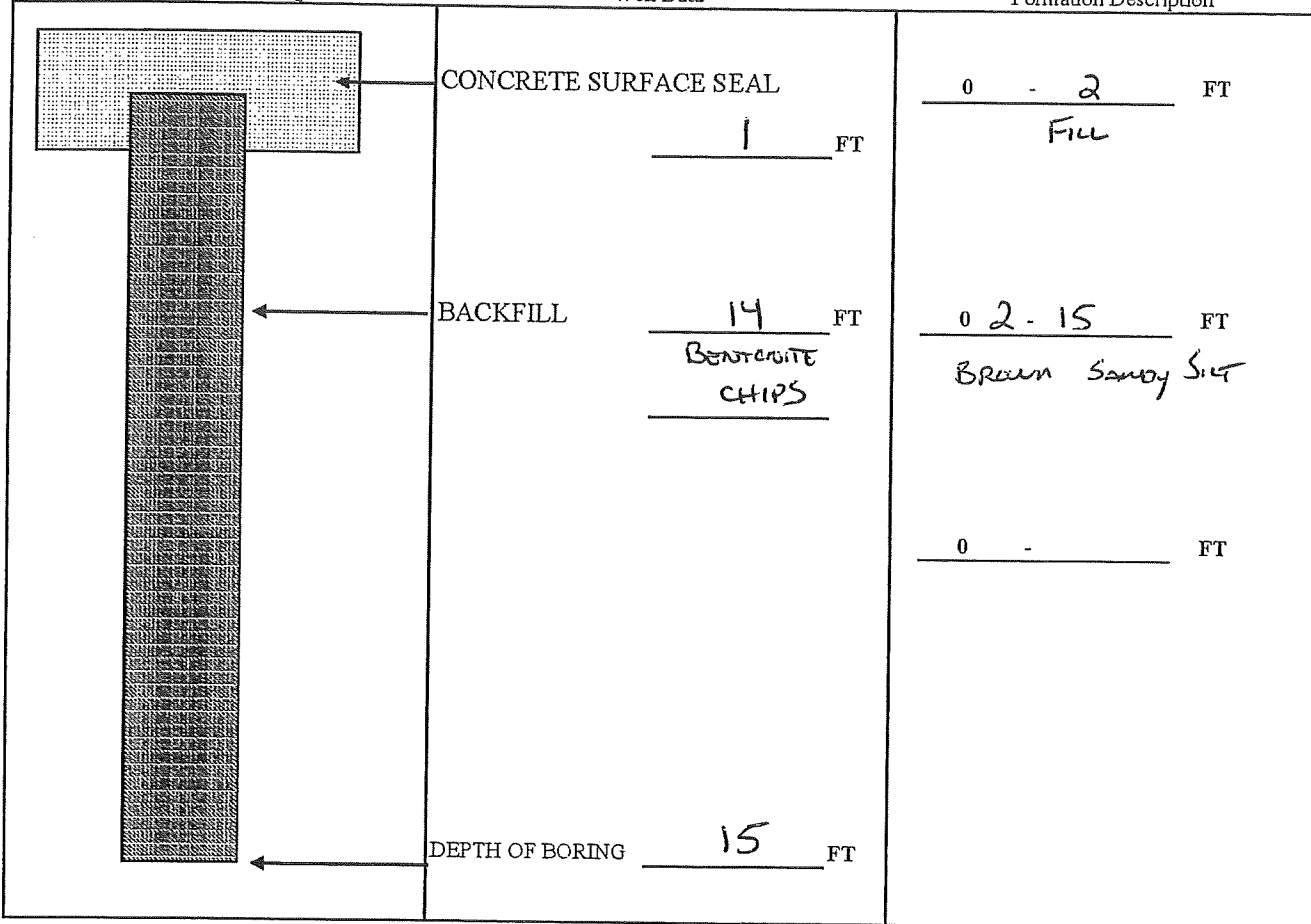
Work/Decommission Completed Date 6/3/10

If trainee, licensed drillers'  
Signature and License No. \_\_\_\_\_

Construction/Design

Well Data W10-263

Formation Description



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# RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No. SE07392 AED 9619

**Construction/Decommission**

Construction

Decommission ORIGINAL INSTALLATION Notice  
of Intent Number \_\_\_\_\_

**Type of Well**

Resource Protection

Geotechnical Soil Boring

Property Owner L & E Auto Sales

Site Address 2101 Burwell Pl.

City Bremerton County 18-Kitsap

Location 1/4 SW 1/4 SW Sec 14 Town 24N R1E EWM

Lat/Long (s,t,r still Required) Lat Deg x Lat Min/Sec x  
Long Deg x Long Min/Sec x

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 2" Static Level —

Work/Decommission Start Date 6/3/2010

Work/Decommission Completed Date 6/3/10

Consulting Firm DLH Environmental Consultants

Unique Ecology Well ID \_\_\_\_\_

Tag No. \_\_\_\_\_

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards

Materials used and the information reported above are true to my best knowledge and belief

Driller  Trainee Name (Print) Goble, Casey

Driller/Trainee Signature [Signature]

Driller/Trainee License No. 2901

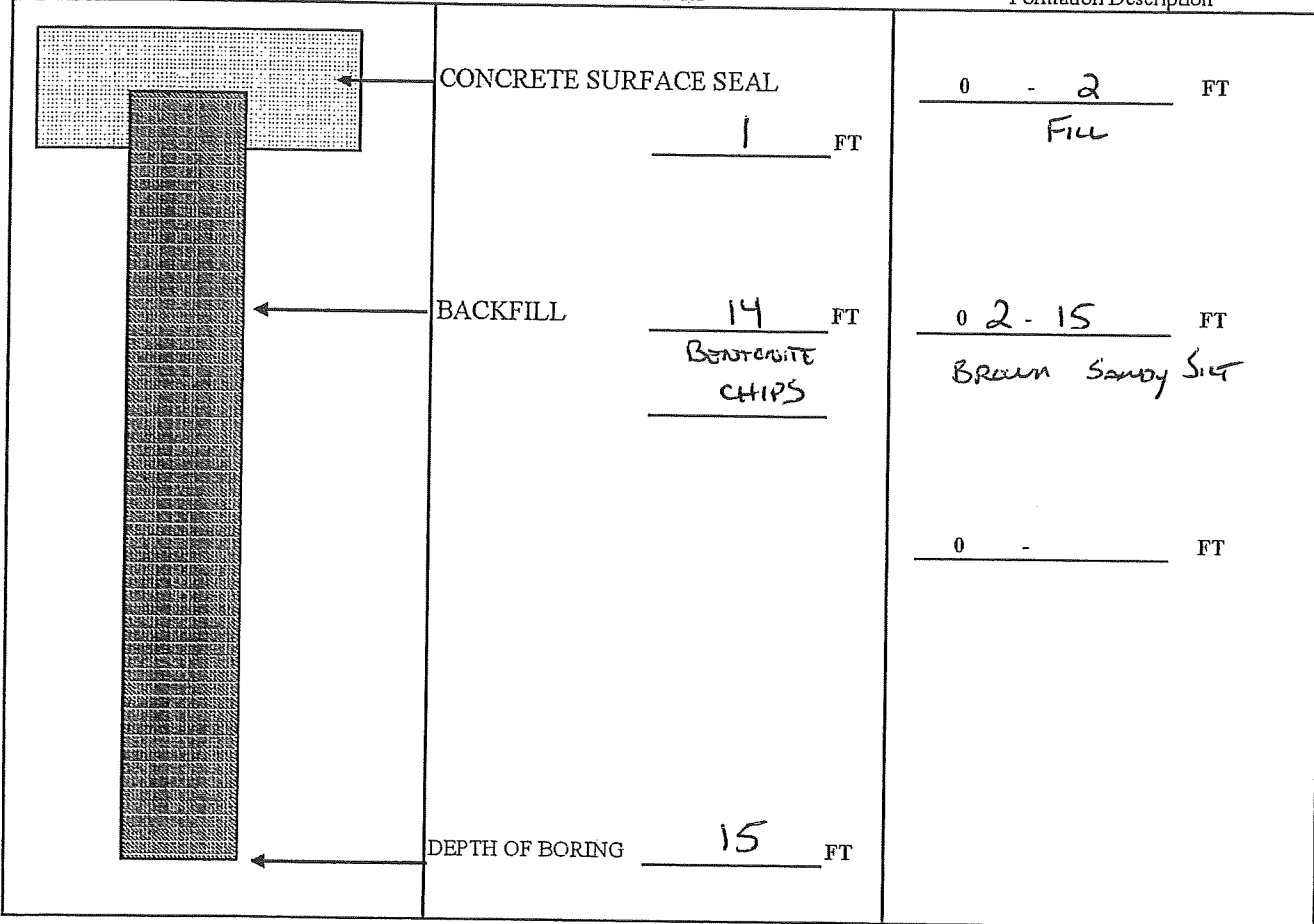
If trainee, licensed drillers' \_\_\_\_\_

Signature and License No. \_\_\_\_\_

**Construction/Design**

Well Data W10-263

**Formation Description**



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# RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No. SE07392 AED 9619

Construction/Decommission

- Construction  
 Decommission ORIGINAL INSTALLATION Notice of Intent Number \_\_\_\_\_

Type of Well

- Resource Protection  
 Geotechnical Soil Boring

Consulting Firm DLH Environmental Consultants

Property Owner L & E Auto Sales  
 Site Address 2101 Burwell Pl.  
 City Bremerton County 18-Kitsap

Unique Ecology Well ID \_\_\_\_\_

Tag No. \_\_\_\_\_

Location 1/4 SW 1/4 SW Sec 14 Town 24N R1E EWM or WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards

Lat/Long (s,t,r) Lat Deg x Lat Min/Sec x  
 still Required) Long Deg x Long Min/Sec x

Materials used and the information reported above are true to my best knowledge and belief

Driller  Trainee Name (Print) Goble, Casey  
 Driller/Trainee Signature [Signature]  
 Driller/Trainee License No. 72901

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 2" Static Level \_\_\_\_\_

Work/Decommission Start Date 6/3/2010

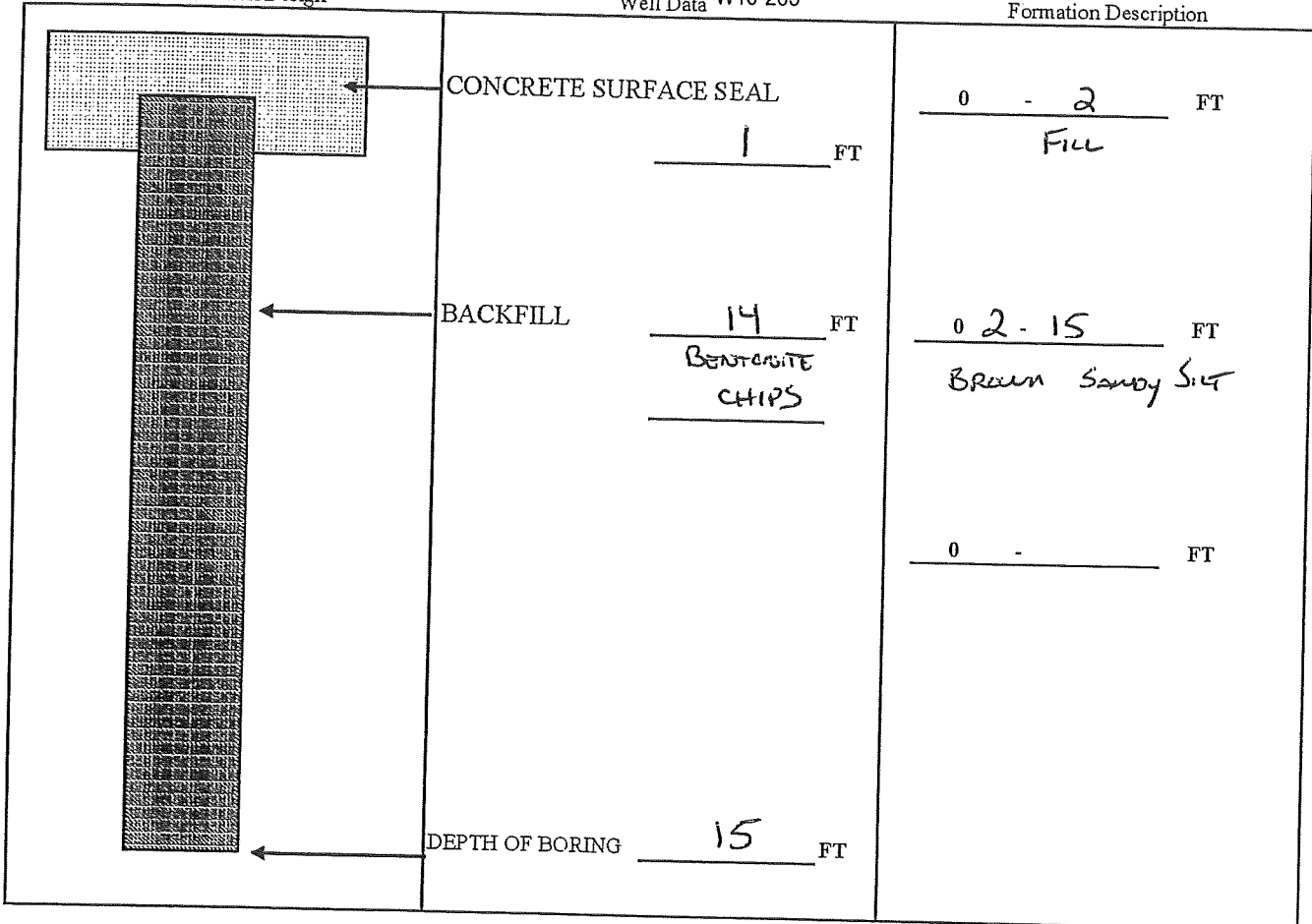
If trainee, licensed drillers' Signature and License No. \_\_\_\_\_

Work/Decommission Completed Date 6/3/10

Construction/Design

Well Data W10-263

Formation Description



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# RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No. SEA 7392 AEO 9619

Construction/Decommission

- Construction  
 Decommission ORIGINAL INSTALLATION Notice of Intent Number \_\_\_\_\_

Type of Well

- Resource Protection  
 Geotechnical Soil Boring

Consulting Firm DLH Environmental Consultants

Property Owner L & E Auto Sales  
 Site Address 2101 Burwell Pl.  
 City Bremerton County 18-Kitsap

Unique Ecology Well ID  
 Tag No. \_\_\_\_\_

Location 1/4 SW 1/4 SW Sec 14 Town 24N R1E EWM or WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards

Lat/Long (s,t,r) Lat Deg x Lat Min/Sec x  
 still Required) Long Deg x Long Min/Sec x

Materials used and the information reported above are true to my best knowledge and belief

Driller  Trainee Name (Print) Soble, Kasey  
 Driller/Trainee Signature [Signature]  
 Driller/Trainee License No. 2501

Tax Parcel No. \_\_\_\_\_

Cased or Uncased Diameter 2" Static Level \_\_\_\_\_

If trainee, licensed drillers' \_\_\_\_\_  
 Signature and License No. \_\_\_\_\_

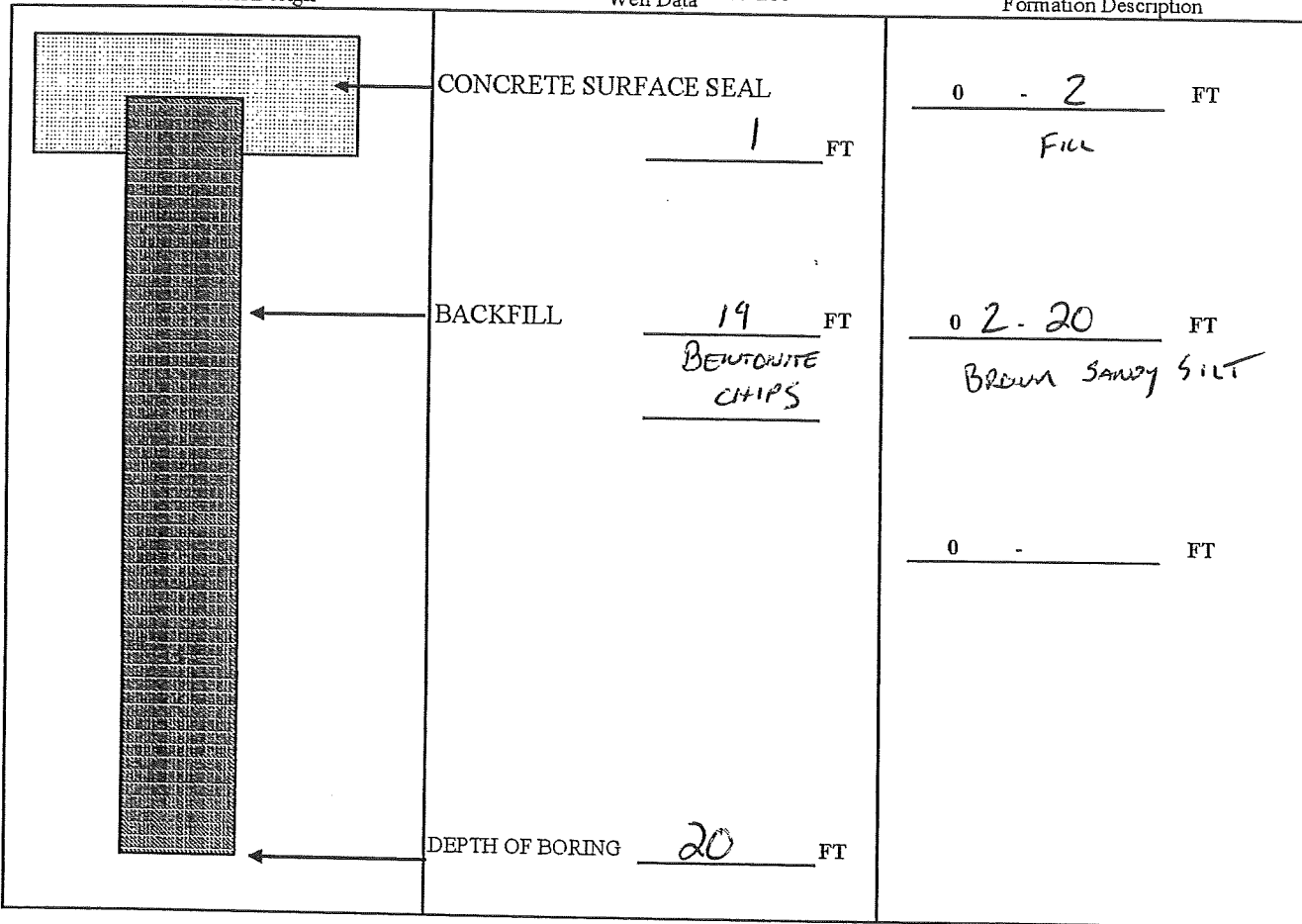
Work/Decommission Start Date 6/3/2010

Work/Decommission Completed Date 6/3/10

Construction/Design

Well Data W10-263

Formation Description



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# Appendix B


**UNDERGROUND STORAGE TANK DECOMMISSIONING  
AND FINAL CLEANUP REPORT**

**2101 BURWELL PLACE  
BREMERTON, WASHINGTON 98312  
WDOE RELEASE # 623271**

*SUBMITTED TO:*

**DOROTHY ROMBERG AND ESTATE OF MEVELYN ROMBERG  
C/O HARRY B. ROMBERG JR.  
11538 17<sup>TH</sup> AVENUE NE  
SEATTLE, WASHINGTON 98125**

*PREPARED BY:*

  
**DONNA HEWITT, L.G.  
DLH ENVIRONMENTAL CONSULTING  
2400 NW 80<sup>TH</sup> STREET  
PMB 114  
SEATTLE, WASHINGTON 98117**

**JANUARY 12, 2011**

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## **1.0 PROJECT DESCRIPTION/SCOPE OF WORK**

Historical data research conducted by DLH Environmental Consulting in May 2010 confirmed that one (1) waste oil tank was located in a garage on the Property. In addition, interviews with onsite personnel indicated that at least one (1) gasoline tank might be located on the Property and that it might have been associated with a taxi cab company that formerly occupied the site. Historical aerial photograph research indicated that there were three (3) pump islands located on the northeastern corner of the Property. Kitsap County files indicated that there were three (3) underground storage tanks (USTs) on-site, but no information regarding the removal of tanks was found.

Subsurface investigations (using a Geoprobe) conducted in June 2010 confirmed that there were heavy oil-impacted soils along the southwestern portion of the Property adjacent to the garage. No other impacted soils were discovered, but the sample locations were primarily on the perimeter of the Property. However, one boring was placed in an area that was believed to be down gradient from the pump islands noted in historical aerial photographs.

After the waste oil tank and an old hydraulic lift were removed on August 19, 2010, exploratory work was completed to locate any other UST's. As a result, three (3) USTs were discovered on the northeast corner of the property. They were subsequently removed along with 75.95 tons of petroleum-impacted soil.

The USTs were removed by Pacific Environmental Services Company (PESCO) and disposed of by Marine Vacuum Services, Inc. Impacted soils were disposed of at the Waste Management Olympic View Transfer Station in Bremerton, Washington. Donna Hewitt of DLH Environmental Consulting (DLH) was onsite during the removal of all of the tanks. Ms. Hewitt is an ICC Decommissioning Supervisor (#1044716-U2) and a Washington State Site Assessor (#1044716-U2) (certifications are included as Appendix E). Washington Department of Ecology (Ecology) Site Check and Site Assessment Forms are located in Appendix C. Laboratory analysis was conducted by Friedman & Bruya Inc. located in Seattle, Washington and laboratory reports are provided in Appendix B.

The following tanks were decommissioned:

Tank Number	Size	Contents	Removal Date
Tank 1 (T1)	1000 gallon	gasoline	8/20/10
Tank 2 (T2)	1000 gallon	gasoline	8/20/10
Tank 3 (T3)	2000 gallon	gasoline	8/23/10
Tank (T4)	250 Gallon	waste oil	8/19/10

As part of the site assessment, soil samples were collected and analyzed from the tank excavations. Stockpiled soils were also sampled and analyzed. Required WDOE checklist forms were completed and are part of this report (see Appendix C).

## **2.0 METHODS OF INVESTIGATION**

Small excavations were dug in the northeast corner of the Property where the pump islands were noted in the historical aerial photographs (see Appendix A for site maps and photographs). Numerous product lines were found underneath several layers of asphalt. The soil around the product lines was removed and the lines followed until the tops of the tanks were discovered. The tops of the tanks were exposed, the fill tubes opened, and the tanks inerted with dry ice. The tanks were then removed from the ground. The tanks were empty and had numerous holes in the bottoms

Soil samples were collected for hydrocarbon analysis from a minimum of two feet below each tank, from the sidewalls of the tank excavation, and from the final limits of the excavation. Samples were also taken below product lines and from stockpiled soils. After initial laboratory analysis confirmed hydrocarbon contamination exceeding Model Toxics Control Act (MTCA) Method A cleanup levels, the impacted soil was removed (75.95 tons) and final confirmational soil samples were collected from the walls and bottom of the final excavation limits.

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

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

Soil samples collected from around the waste oil tank were analyzed for diesel-range petroleum hydrocarbons and heavy oil-range petroleum hydrocarbons using Method NWTPH-Dx. Additional analysis of soil collected adjacent to the tank during Geoprobe drilling activities included volatile organic compounds (VOCs), polychlorinated biphenyls (PCBs) and RCRA 8 metals. Laboratory data confirmed that only heavy oil was detected in the soils.

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

### **3.0 RESULTS OF INVESTIGATION**

#### **3.1 Soil Conditions**

Soils surrounding the USTs were a mixture of imported non-native fill material (including old brick and crushed asphalt) underlain by native clay.

#### **3.2 Groundwater**

Water was not encountered during tank and soil removal activities. The depth of the excavation was approximately 16 feet below ground surface.

#### **3.3 Observation of Tank Removal Activities**

Donna Hewitt of DLH Environmental Consulting, a licensed UST Decommissioning Supervisor and Site Assessor was onsite during all tank removal activities.

##### **3.3.1 Waste Oil Tank**

The owner of L&E Auto Sales confirmed that the contents of the waste tank had been removed approximately 6 months prior to the tank removal operations. The waste oil tank was located underneath a concrete slab inside the garage. After the slab was removed, the top of the tank was exposed and soils from the sides of that tank were removed. During the soil removal process, an old hydraulic lift was discovered just north of the end of the waste oil tank. Both the tank and the hydraulic lift were removed and soil samples were collected from the bottom and sides of the final excavation. The tank was inspected for holes and found to be in poor condition although no obvious holes were noted.

### **3.3.2 Gasoline Tanks**

Product lines were discovered during exploratory digging on the northeast corner of the site. The lines were exposed, and three major product lines and vent lines were unearthed. The product lines were followed until the tops of three (3) USTs were found. The tops of the USTs were exposed, then the tanks were inerted with dry ice and subsequently removed from the ground. The first two USTs (Tank 1 and Tank 2) were completely empty. Tank 3 had a little water in the bottom but all three tanks were in poor, rusty condition and full of holes.

Strong odors were noted around and below the tanks and bluish grey soils were noted at depths starting at approximately 6-7 feet below ground surface (bgs). This was the bottom level of both Tank 1 and Tank 2.

### **3.4 Hydrocarbon Testing**

Soil samples collected from the waste oil tank were analyzed for diesel-range petroleum hydrocarbons and heavy oil-range petroleum hydrocarbons using Method NWTPH-Dx. Additional analysis of soil samples collected adjacent to the tank during Geoprobe drilling activities included VOCs, PCBs and RCRA 8 metals. Laboratory data confirmed that only heavy oil was present in the soils. Laboratory results for soil samples collected from the waste oil tank are summarized in Table A, and laboratory results are located in Appendix B.

Soil samples collected around the other three USTs were analyzed for the presence of gasoline and BTEX, using EPA Method 8021B and NWTPH-Gx, and lead using EPA Method 200.8.

Laboratory results for soil samples collected around the other three USTs are summarized in Tables B and C. Laboratory reports are located in Appendix B.

### **3.5 Observation of Soil Removal Activities**

Based on soil sample analysis, it was determined that contamination existed underneath all three USTs and along the sidewalls of the tank excavation. On October 10, 2010, contaminated soils (75.95 tons) were removed and transported to the Waste Management Olympic View Transfer Station for disposal under Waste Manifest # 102441.



### **3.6 Final Confirmational Soil Sampling and Analysis**

Once the confirmed impacted soil was removed, final confirmation samples were collected from the sidewalls and bottom of the excavation. Laboratory data confirmed that impacted soil still remains on the south and west ends of the gasoline tank excavation. In addition, no soils were removed from in and around the waste oil tank located in the garage. Laboratory results for the final confirmation samples are summarized in Table D, and laboratory reports are located in Appendix B.

### **4.0 FINAL CLEANUP OPERATIONS**

Impacted soils were disposed of at the Waste Management Olympic View Transfer Station in Bremerton, Washington. A total of 75.95 tons was disposed of on October 11, 2010. Impacted soil still remains on the south and west side of the tank excavation. Additionally, no soil was removed from the garage where the former waste oil tank (T4) was located.

### **5.0 WASHINGTON STATE DEPARTMENT OF ECOLOGY REQUIREMENTS**

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

### **6.0 CONCLUSIONS**

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

- Analysis of soil samples collected around and under the waste oil and hydraulic lift in the garage indicated that heavy oil impacted soils remain on the Property.
- Impacted soils associated with the three gasoline tanks located on the northwestern portion of the property were confirmed. The three tanks were removed along with 75.95 tons of impacted soils. The impacted soils were disposed of at the Olympic View Transfer Station in Bremerton, Washington.
- Confirmational soil sampling and analysis of the gasoline tank excavation indicates that impacted soils remains along the south and west ends of the excavation.
- All tanks, product lines, and vent lines were removed and disposed of according to current requirements.

## **7.0 RECOMMENDATIONS**

Since impacted soils still remain on the Property, it is recommended that they be removed. The garage will need to be demolished in order to remove the soils associated with the waste oil tank. The most cost - effective approach may be to dovetail remediation with any future development of the Property.

## **8.0 LIMITATIONS**

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

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

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

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

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

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

**TABLE A**  
**Waste Oil Tank (T4) Soil Sampling Analytical Results**

SAMPLE NUMBER	LOCATION	ANALYSIS	RESULTS
81910 - N	north sidewall at approximately 4 ft bgl	NWTPH-DX	Diesel 7,100 ppm Motor Oil 27,000 ppm
81910 - S	south sidewall at approximately 4 ft bgl	NWTPH-DX	Diesel < 50 ppm Motor Oil < 250 ppm
81910 - E	east sidewall at approximately 4 ft bgl	NWTPH-DX	Diesel < 50 ppm Motor Oil < 250 ppm
81910 - W	west sidewall at approximately 4 ft bgl	NWTPH-DX	Diesel < 50 ppm Motor Oil < 250 ppm
81910 - B	bottom of excavation below tank at approximately 5 ft bgl	NWTPH-DX	Diesel 11,000 ppm Motor Oil 33,000 ppm
81910 - B+4	bottom of excavation below tank at approximately 8 ft bgl	NWTPH-DX	Diesel 5,600 ppm Motor Oil 13,000 ppm
81910 - Hyd-7'	below hydraulic lift approximately 8 ft bgl	NWTPH-DX	Diesel < 50ppm Motor Oil < 250 ppm

Note: Current MTCA cleanup level for diesel and heavy oil is 2000 ppm  
 WTPH = Washington Total Petroleum Hydrocarbon  
 Dx = Diesel and heavy oils  
 ppm = Parts per million (soil)  
 bgl = Below ground level  
 ft = Feet

**TABLE B**  
**Tank 1 & Tank 2 - Initial Soil Sampling Analytical Results**

SAMPLE NUMBER	LOCATION	ANALYSIS	RESULTS
82010 - Pipes	Below product lines	NWTPH-Gx BTEX	< 2 ppm AC
82010 - T1-B	Tank 1 - below tank at 8 ft bgl	NWTPH-Gx BTEX Lead	5,100 ppm AC 19.6
82010 - T1-E	Tank 1- east sidewall at 8 ft bgl	NWTPH-Gx BTEX	< 2 ppm BC
82010 - T1-N	Tank 1- north sidewall at 8 ft bgl	NWTPH-Gx BTEX	4,900 ppm AC
82010 - T1-S	Tank 1- south sidewall at 8 ft bgl	NWTPH-Gx BTEX	7,400 ppm AC
82010 - T2-N	Tank 2- north sidewall at 8 ft bgl	NWTPH-Gx BTEX	8,700 ppm AC
82010 - T2-B2	Tank 2- below tank at 8 ft bgl	NWTPH-Gx BTEX Lead	12,000 ppm AC 18.3
82010 - T2-W	Tank 2- west sidewall at 8 ft bgl	NWTPH-Gx BTEX	120 ppm BC
82010 - T2-B-4	Tank 2 - 4 ft below bottom of tank at 12 ft bgl	NWTPH-Gx BTEX	20,000 ppm AC

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

WTPH = Washington Total Petroleum Hydrocarbon  
 Gx = Gasoline  
 BTEX = Benzene, toluene, ethyl-benzene, xylene (gasoline additives)  
 ppm = Parts per million (soil)  
 BC = Below cleanup  
 AC = Above Cleanup  
 bgl = Below ground level  
 ft = Feet

**TABLE C**  
**Tank 3 - Initial Soil Sampling Analytical Results**

SAMPLE NUMBER	LOCATION	ANALYSIS	RESULTS
82310 - T3-B-9.5	Tank 3, below tank at 9.5 ft bgl	NWTPH-Gx BTEX	6,600 ppm AC
82310 - T3-B-12	Tank 3, below tank at 12 ft bgl	NWTPH-Gx BTEX	32 ppm AC
82310 - T3-W-9	Tank 3, below tank at 12 ft bgl	NWTPH-Gx BTEX lead	6,600 ppm AC 19.6
82310 - T3-S-10	Tank 3, south sidewall at 10 ft bgl	NWTPH-Gx BTEX	8,900 ppm AC
82310 - T3-E-10	Tank 3, east sidewall at 10 ft bgl	NWTPH-Gx BTEX	15 ppm BC
82310 - PIPES	product pipes associated with Tank 3	NWTPH-Gx BTEX	Archived - no analysis
82310 - paint white	paint from garage	TCLP-200.8/ Pb	2.76 ppm
82310 - paint blue	paint from garage	TCLP-200.8/ Pb	3.19 ppm

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

WTPH = Washington Total Petroleum Hydrocarbon  
 Gx = Gasoline  
 BTEX = Benzene, toluene, ethyl-benzene, xylene (gasoline additives)  
 ppm = Parts per million (soil)  
 bgl = Below ground level  
 ft = Feet

**TABLE D**  
**Tank Excavation (T1, T2 and T3) -**  
**Final Confirmational Soil Sampling Analytical Results**

SAMPLE NUMBER	LOCATION	ANALYSIS	RESULTS
101110 - B-14	Bottom of excavation at 14 ft bgl	NWTPH-Gx BTEX	< 5 ppm BC
101110 - S-14	South sidewall of excavation at 14 ft bgl	NWTPH-Gx BTEX	140 ppm AC
101110 - N-14	North sidewall of excavation at 14 ft bgl	NWTPH-Gx BTEX	3 ppm BC
101110 - E-14	East sidewall of excavation at 14 ft bgl	NWTPH-Gx BTEX	5.9 ppm BC
101110 - W-14	West sidewall of excavation at 14 ft bgl	NWTPH-Gx BTEX	5,700 ppm AC

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

WTPH = Washington Total Petroleum Hydrocarbon  
Gx = Gasoline  
BTEX = Benzene, toluene, ethyl-benzene, xylene (gasoline additives)  
ppm = Parts per million (soil)  
BC = Below cleanup  
AC = Above Cleanup  
bgl = Below ground level  
ft = Feet

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**APPENDIX A**

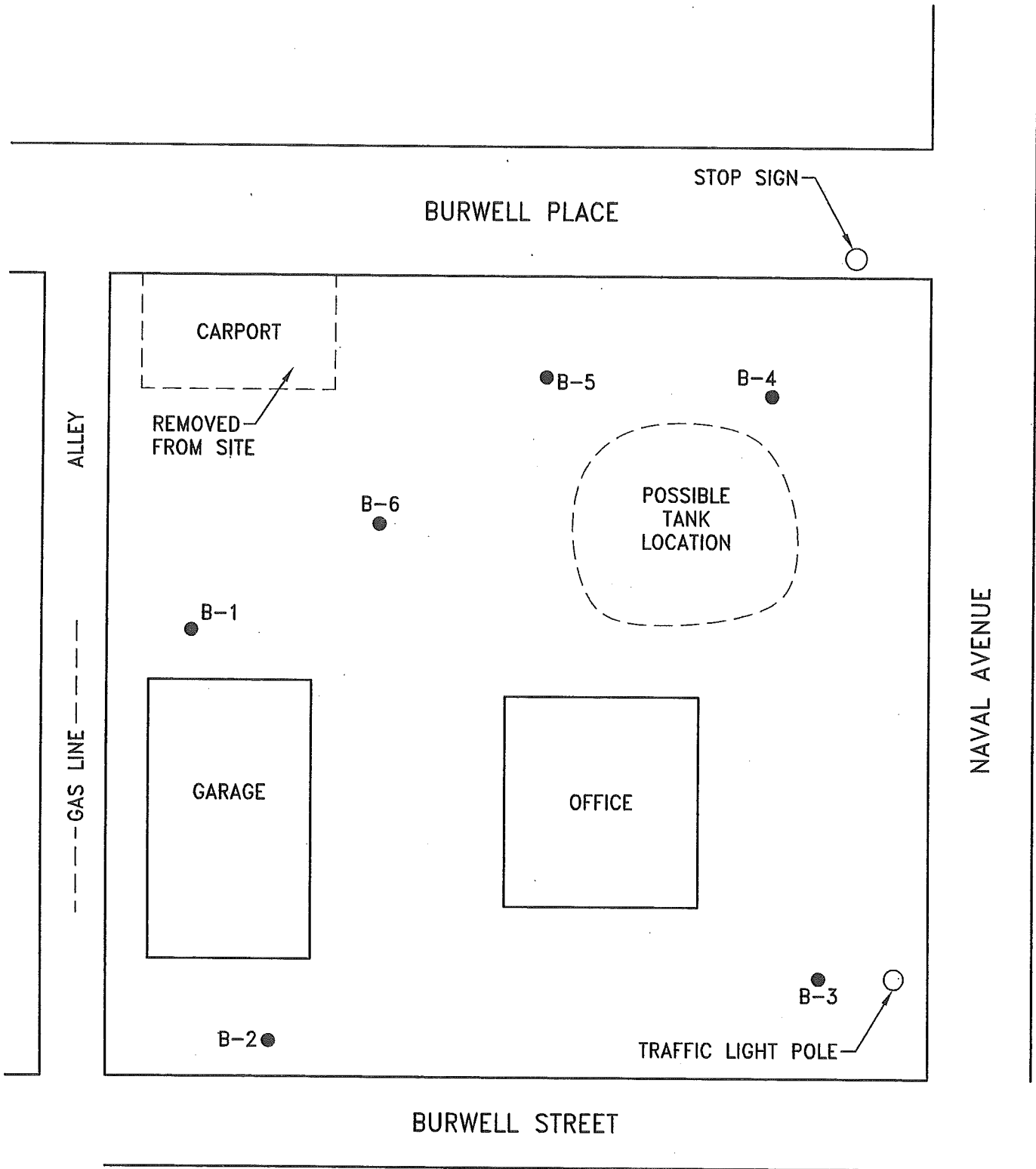
**SITE MAP**

**SITE SKETCH**

**SITE PHOTOGRAPHS**







L & E AUTO SALES  
 2101 BURWELL PL.  
 BREMERTON, WASHINGTON

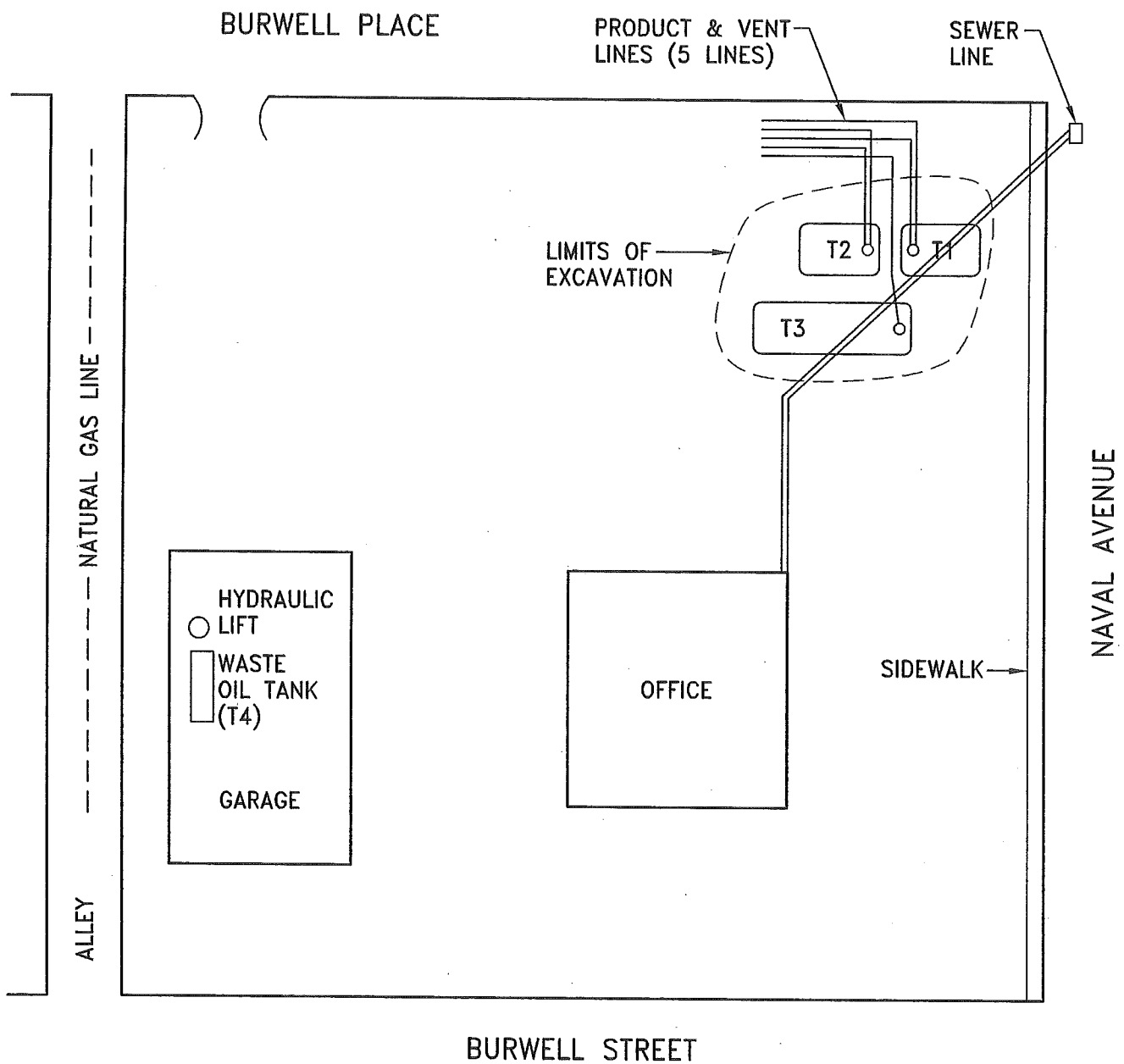
● - BORING LOCATION

**DLH Environmental Consulting**

NOT TO SCALE

FIGURE 1  
 6/3/10





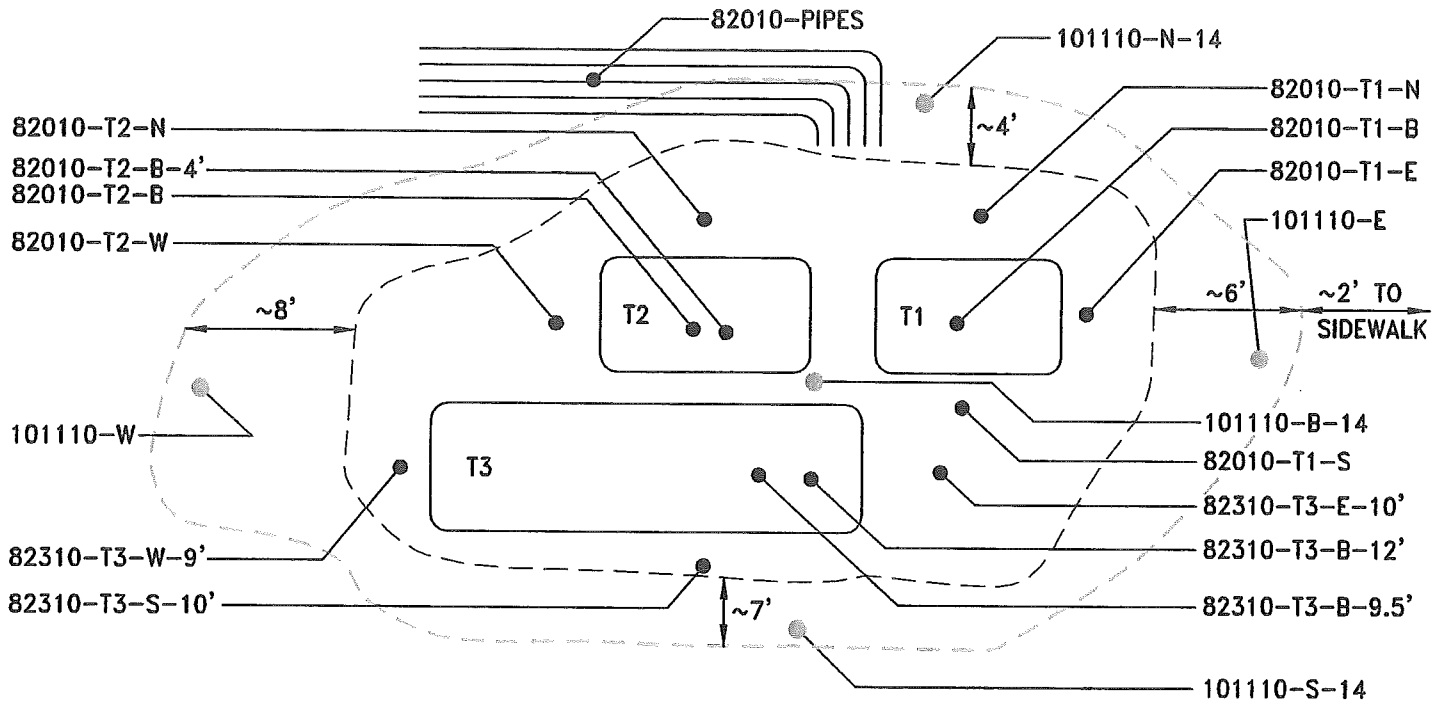
L & E AUTO SALES  
 2101 BURWELL PL.  
 BREMERTON, WASHINGTON

DLH Environmental Consulting

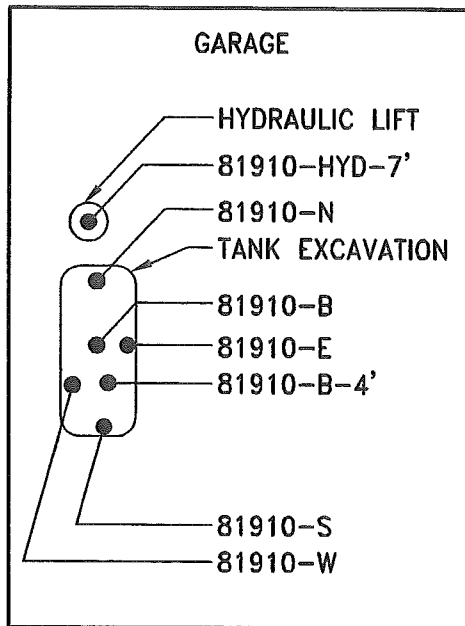
NOT TO SCALE

FIGURE 2  
 AUGUST 2010





**UNDERGROUND STORAGE TANK REMOVAL**



**WASTE OIL TANK & HYDRAULIC LIFT REMOVAL**

- - - - - FINAL OVEREXCAVATION
- - SOIL SAMPLE LOCATION
- - FINAL CONFIRMATIONAL SOIL SAMPLE LOCATION

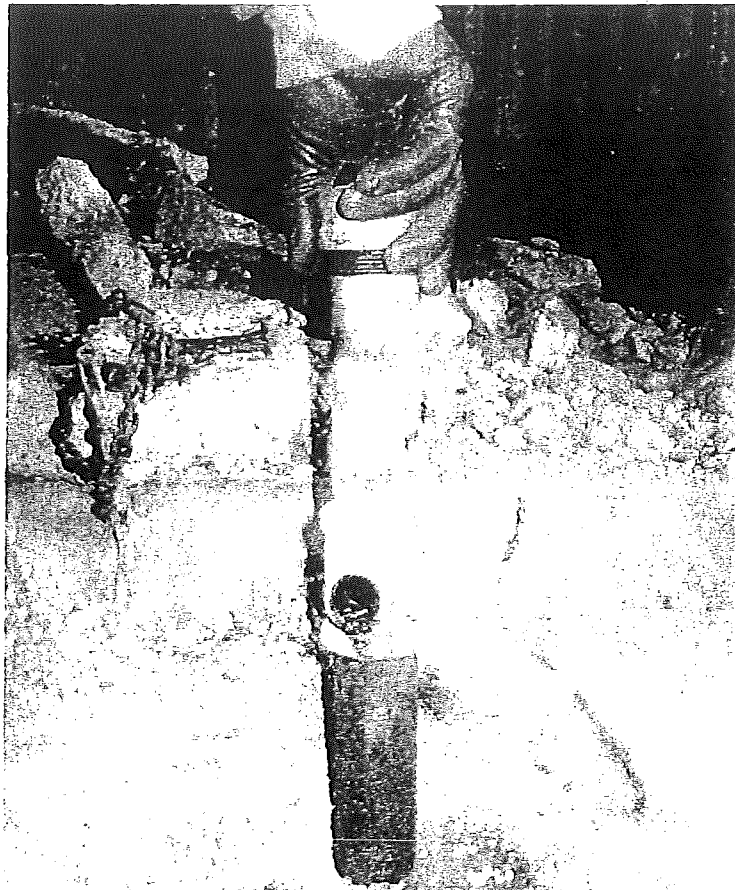
L & E AUTO SALES  
 2101 BURWELL PL.  
 BREMERTON, WASHINGTON

**TANK EXCAVATION DETAIL**

**DLH Environmental Consulting**  
 NOT TO SCALE

FIGURE 3  
 AUGUST-OCTOBER 2010

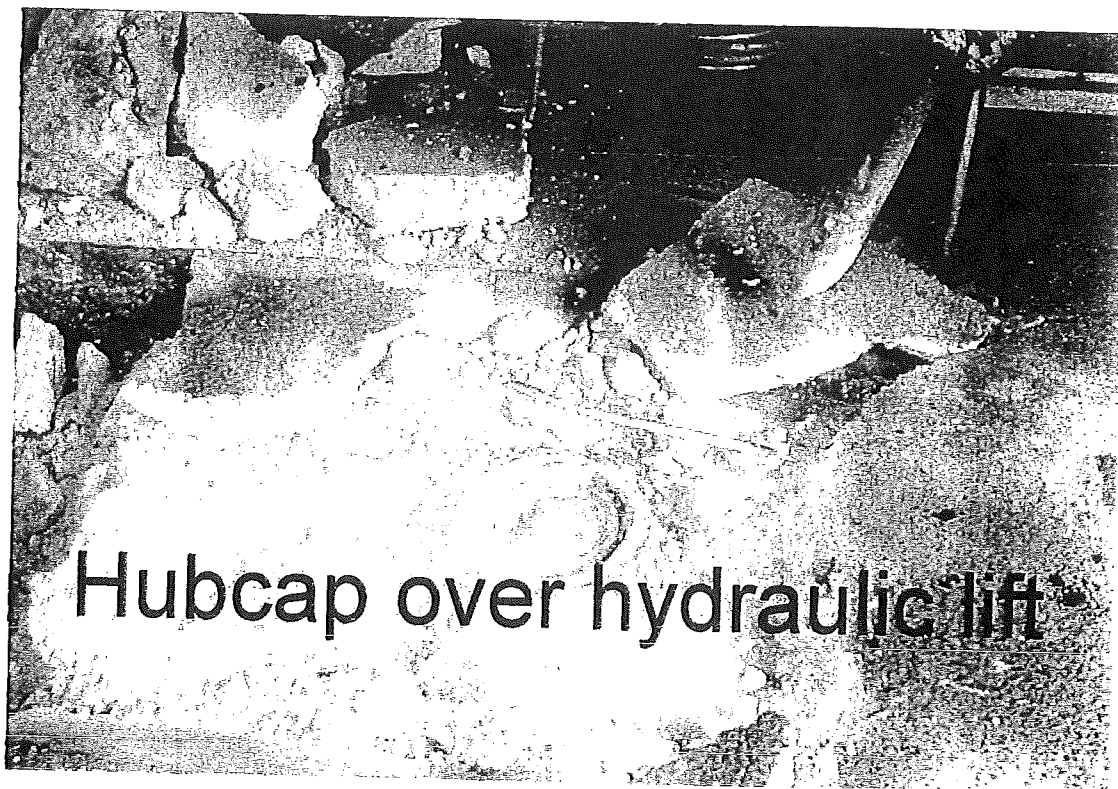


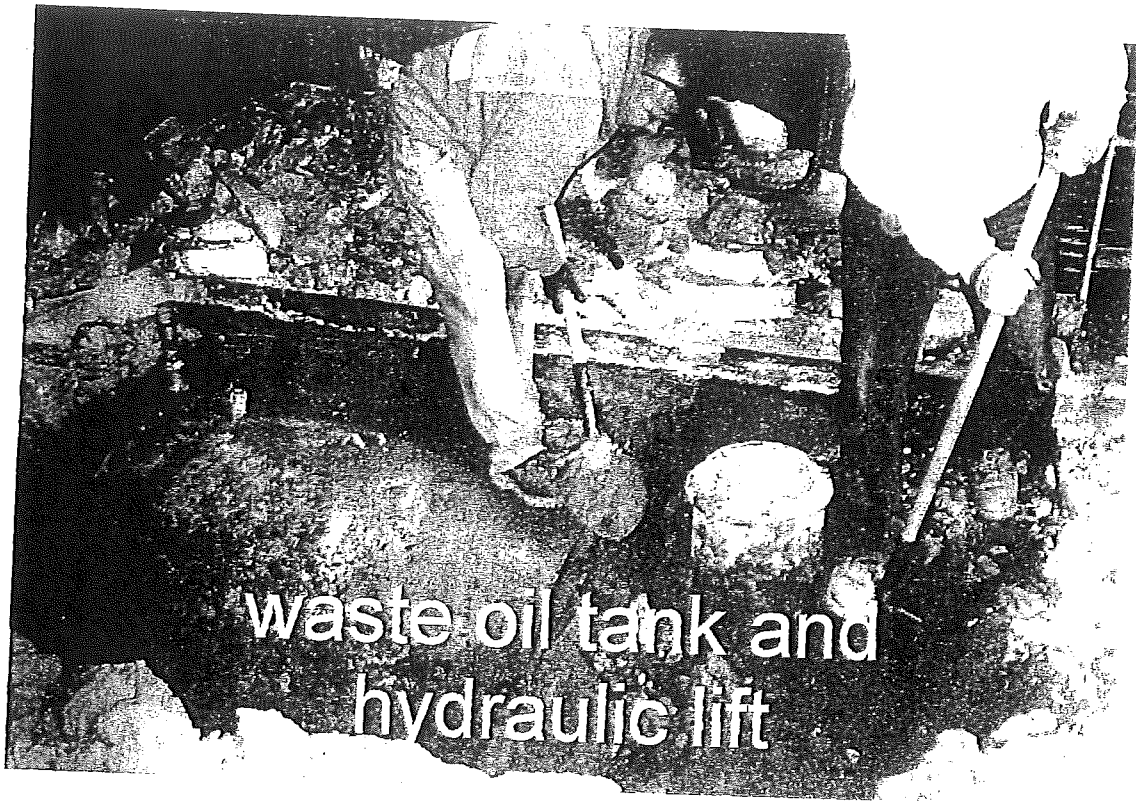


**Waste oil tank fill**

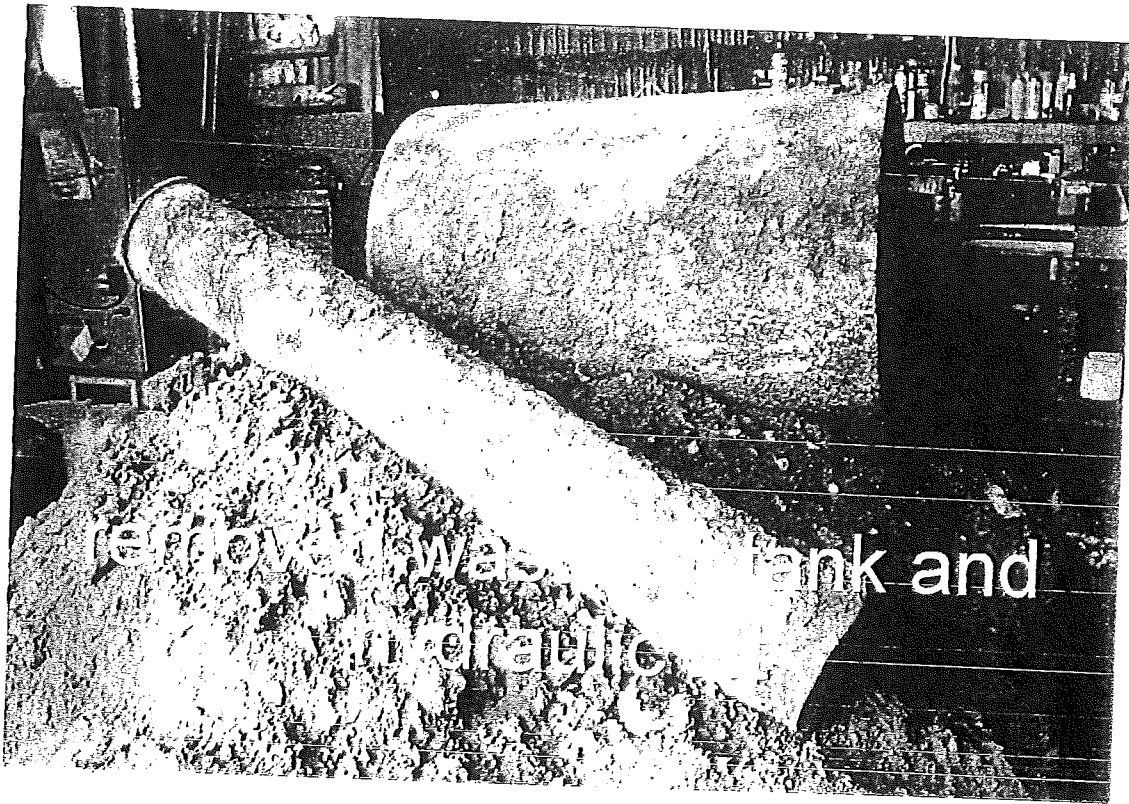


**waste oil tank**





waste oil tank and  
hydraulic lift



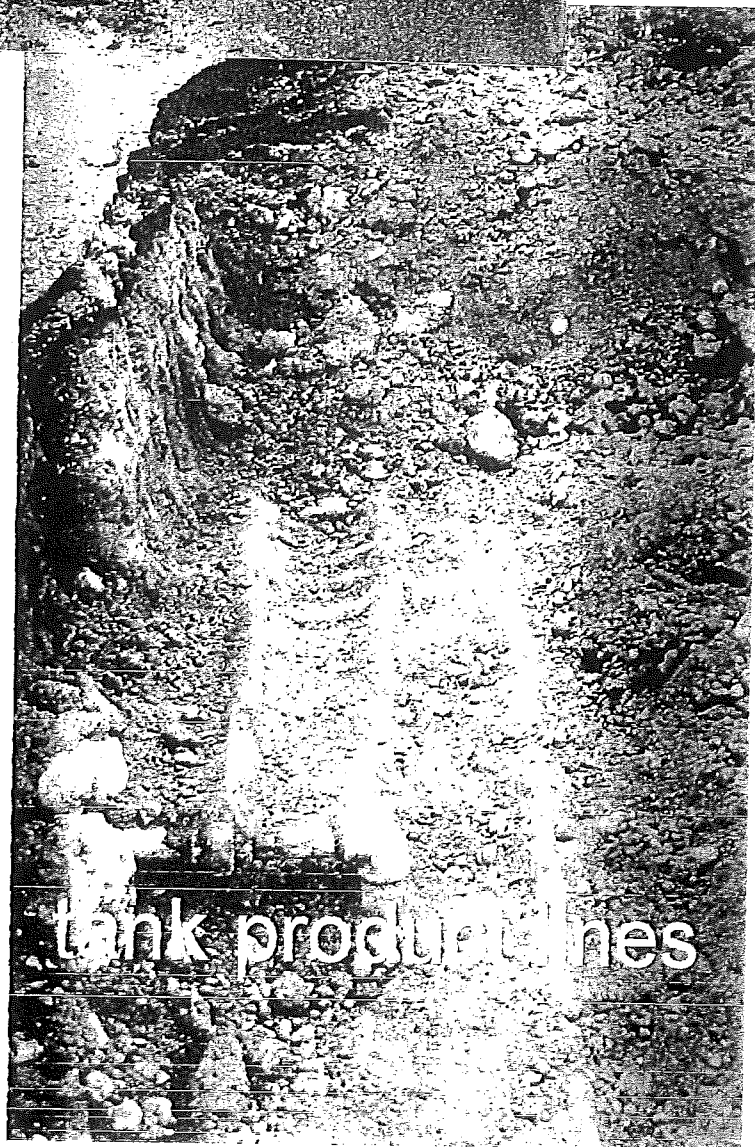
waste oil tank and  
hydraulic lift



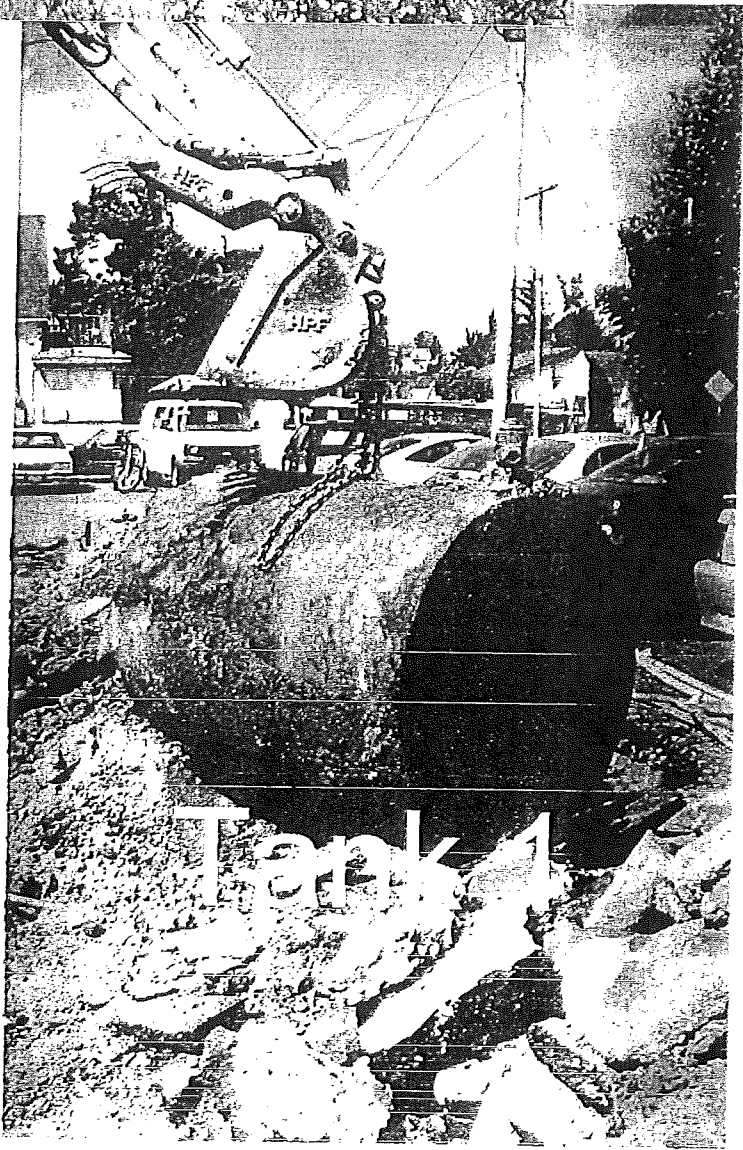
trenching to locate UST'S  
facing west



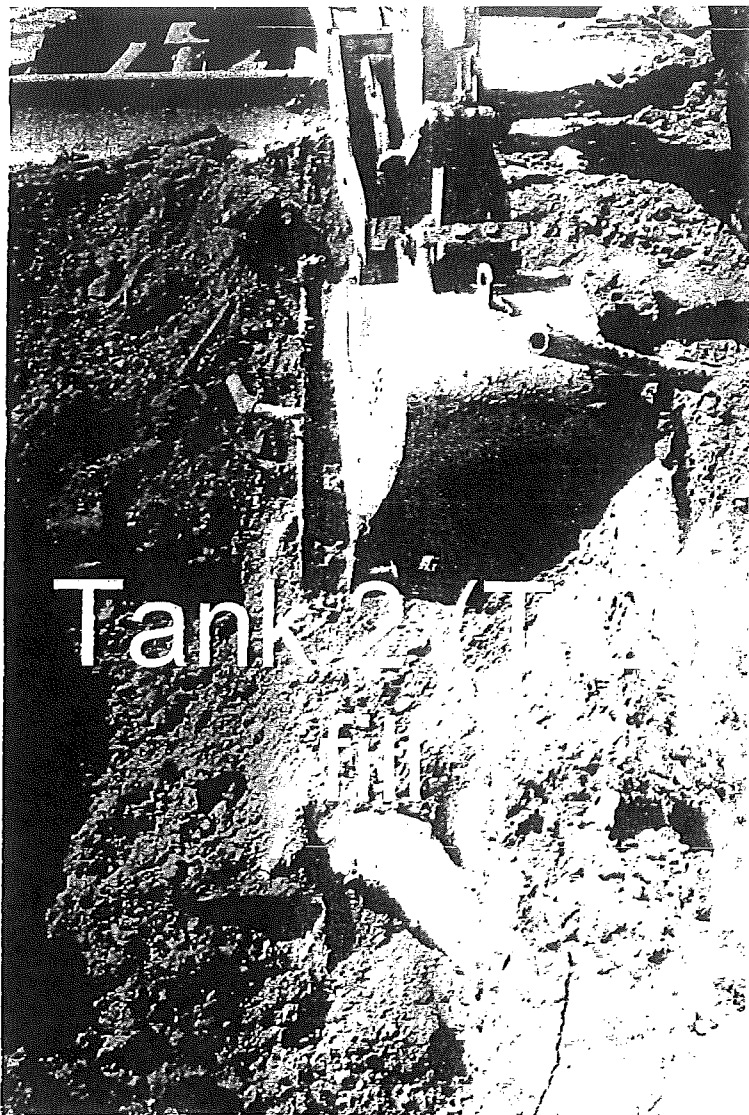
uncovered tank fill  
underneath asphalt



tank propellant lines



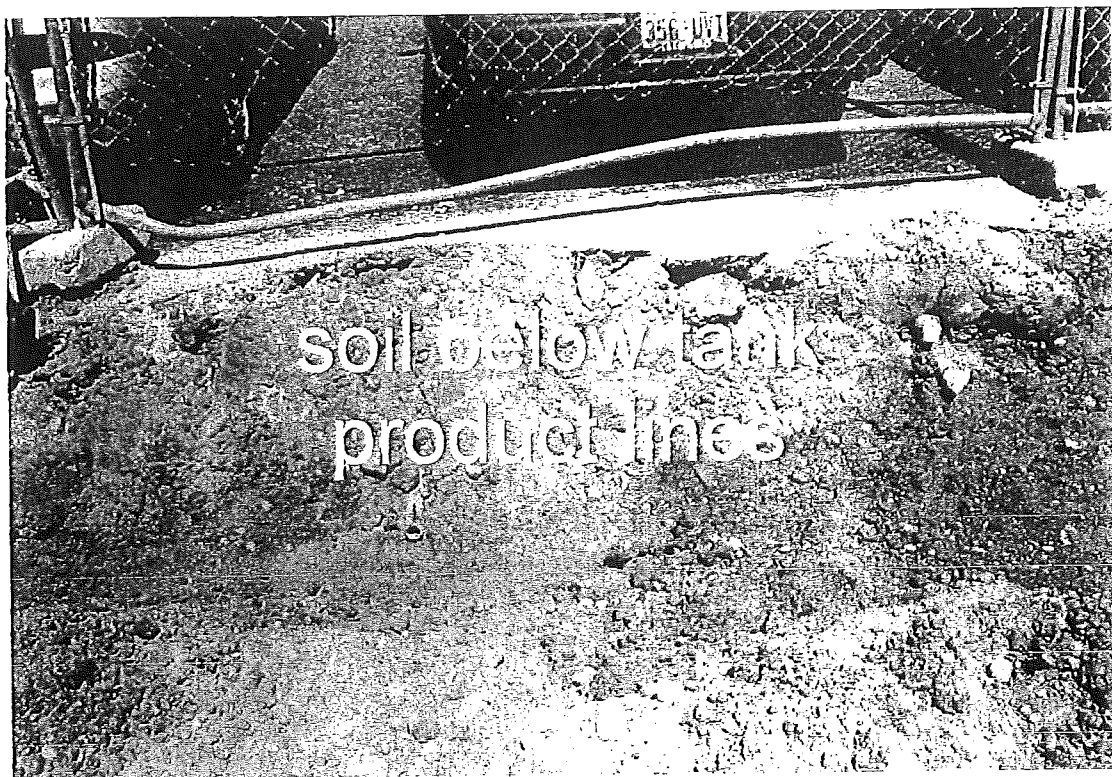








Excavation  
T1 - T3



soil below tank  
product lines

**APPENDIX B**

**LABORATORY REPORTS**

**CHAIN OF CUSTODY FORMS**

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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

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

October 20, 2010

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

Dear Ms. Hewitt:

Included are the results from the testing of material submitted on October 11, 2010 from the L&E Auto, F&BI 010117 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

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

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl  
Project Manager

Enclosures  
DLH1020R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on October 11, 2010 by Friedman & Bruya, Inc. from the DLH Environmental Consulting L&E Auto, F&BI 010117 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>DLH Environmental Consulting</u>
010117-01	101110-B-14
010117-02	101110-S-14
010117-03	101110-N-14
010117-04	101110-E-14
010117-05	101110-W-14

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/20/10  
 Date Received: 10/11/10  
 Project: L&E Auto, F&BI 010117  
 Date Extracted: 10/12/10  
 Date Analyzed: 10/14/10 and 10/19/10

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES  
 FOR BENZENE, TOLUENE, ETHYLBENZENE,  
 XYLENES AND TPH AS GASOLINE  
 USING EPA METHOD 8021B AND NWTPH-Gx**  
 Results Reported on a Dry Weight Basis  
 Results Reported as mg/kg (ppm)

<u>Sample ID</u> Laboratory ID	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl Benzene</u>	<u>Total Xylenes</u>	<u>Gasoline Range</u>	<u>Surrogate (% Recovery)</u> (Limit 50-150)
101110-B-14 010117-01	<0.02	<0.02	<0.02	<0.06	<5	111
101110-S-14 010117-02	<0.02	0.35	0.47	4.3	140	124
101110-N-14 010117-03	<0.02	<0.02	<0.02	<0.06	3	97
101110-E-14 010117-04	<0.02	<0.02	0.042	0.43	5.9	130
101110-W-14 010117-05 1/100	<2	68	72	420	5,700	ip
Method Blank 00-1616 MB	<0.02	<0.02	<0.02	<0.06	<5	117

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/20/10

Date Received: 10/11/10

Project: L&E Auto, F&BI 010117

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

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Benzene	mg/kg (ppm)	0.5	88	91	69-120	3
Toluene	mg/kg (ppm)	0.5	107	107	70-117	0
Ethylbenzene	mg/kg (ppm)	0.5	108	109	65-123	1
Xylenes	mg/kg (ppm)	1.5	105	106	66-120	1
Gasoline	mg/kg (ppm)	20	120	115	71-131	4



# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- A1 - More than one compound of similar molecule structure was identified with equal probability.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte indicated may be due to carryover from previous sample injections.
- d - The sample was diluted. Detection limits may be raised due to dilution.
- ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.
- dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.
- fb - Analyte present in the blank and the sample.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.
- ht - Analysis performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The result is below normal reporting limits. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.
- jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the compound indicated is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received in a container not approved by the method. The value reported should be considered an estimate.
- pr - The sample was received with incorrect preservation. The value reported should be considered an estimate.
- ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

010117

**SAMPLE CHAIN OF CUSTODY**

ME 10/11/10

Page # 1 of 1 VSI

Send Report To: Donna Hewitt  
 Company: DLH  
 Address: 2400 NW 80th St #117  
 City, State, ZIP: Seattle, WA 98117  
 Phone # 206-632-3123 Fax # 206-632-3123 Q Aol.com

SAMPLERS (signature) \_\_\_\_\_  
 PROJECT NAME/NO: L'E Auto  
 PO # \_\_\_\_\_  
 REMARKS: \_\_\_\_\_

TURNAROUND TIME  
 Standard (2 Weeks)  
 RUSH  
 Rush charges authorized by: \_\_\_\_\_  
 SAMPLE DISPOSAL  
 Dispose after 30 days  
 Return samples  
 Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED					Notes	
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270		HFS
10110-B-14	01A-D	10/11/10	10:42	Soil	4	X	X	X				
10110-S-14	02A-D	↓	11:00	"	"	X	X	X				
-N-14	03A-D	↓	11:58	↓	↓	X	X	X				
-E-14	04A-D	↓	12:03	↓	↓	X	X	X				
-W-14	05A-D	↓	12:05	↓	↓	X	X	X				
<del>_____</del>												

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
<u>Donna Hewitt</u>	<u>Donna Hewitt</u>	<u>DLH</u>	<u>10/11/10</u>	<u>1:45</u>
<u>Tan Shwan</u>	<u>Tan Shwan</u>	<u>FBI</u>	<u>10/10/10</u>	<u>1:45</u>

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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

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

September 7, 2010

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

Dear Ms. Hewitt:

Included are the results from the testing of material submitted on August 23, 2010 from the L&E, F&BI 008262 project. There are 12 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

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

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl  
Project Manager

Enclosures  
DLH0907R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on August 23, 2010 by Friedman & Bruya, Inc. from the DLH Environmental Consulting L&E, F&BI 008262 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>DLH Environmental Consulting</u>
008262-01	82310-T3-B-9'5"
008262-02	82310-T3-B-12'
008262-03	82310-T3-W-9
008262-04	82310-T3-S-10
008262-05	82310-T3-E-10
008262-06	82310-Paint-White
008262-07	82310-Paint-Blue
008262-08	82310-Pipes.W-2

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/07/10  
 Date Received: 08/23/10  
 Project: L&E, F&BI 008262  
 Date Extracted: 08/31/10 and 09/02/10  
 Date Analyzed: 09/01/10 and 09/02/10

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES  
 FOR BENZENE, TOLUENE, ETHYLBENZENE,  
 XYLENES AND TPH AS GASOLINE  
 USING EPA METHOD 8021B AND NWTPH-Gx**  
 Results Reported on a Dry Weight Basis  
 Results Reported as mg/kg (ppm)

<u>Sample ID</u> Laboratory ID	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl Benzene</u>	<u>Total Xylenes</u>	<u>Gasoline Range</u>	<u>Surrogate (% Recovery)</u> (Limit 50-132)
82310-T3-B-9'5" 008262-01 1/100	<2	93	120	790 ve	6,600	ip
82310-T3-B-12' 008262-02	0.09	1.6	0.80	4.6	32	123
82310-T3-W-9 008262-03 1/200	9.1	320	170	1,100	6,600	ip
82310-T3-S-10 008262-04 1/100	<2	49	100	830	8,900	ip
82310-T3-E-10 008262-05	<0.02	0.075	0.11	0.75	15	108
Method Blank 00-1348 MB2	<0.02	<0.02	<0.02	<0.06	<2	74
Method Blank 00-1409 MB	<0.02	<0.02	<0.02	<0.06	<2	116

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	82310-T3-W-9	Client:	DLH Environmental Consulting
Date Received:	08/23/10	Project:	L&E, F&BI 008262
Date Extracted:	08/24/10	Lab ID:	008262-03
Date Analyzed:	08/26/10	Data File:	008262-03.019
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	92	60	125

Analyte:	Concentration mg/kg (ppm)
Lead	19.6

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	DLH Environmental Consulting
Date Received:	NA	Project:	L&E, F&BI 008262
Date Extracted:	08/23/10	Lab ID:	I0-457 mb
Date Analyzed:	08/26/10	Data File:	I0-457 mb.018
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	AP

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

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis for TCLP Metals By EPA Method 200.8 and 40 CFR PART 261

Client ID:	82310-Paint-White	Client:	DLH Environmental Consulting
Date Received:	08/23/10	Project:	L&E, F&BI 008262
Date Extracted:	08/31/10	Lab ID:	008262-06
Date Analyzed:	09/01/10	Data File:	008262-06.038
Matrix:	Paint	Instrument:	ICPMS1
Units:	mg/L (ppm)	Operator:	AP

Internal Standard:	% Recovery:	Lower	Upper
Holmium	104	Limit:	Limit:
		60	125

Analyte:	Concentration mg/L (ppm)	TCLP Limit
Lead	2.76	5.0



FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis for TCLP Metals By EPA Method 200.8 and 40 CFR PART 261

Client ID:	82310-Paint-Blue	Client:	DLH Environmental Consulting
Date Received:	08/23/10	Project:	L&E, F&BI 008262
Date Extracted:	08/31/10	Lab ID:	008262-07
Date Analyzed:	09/01/10	Data File:	008262-07.041
Matrix:	Paint	Instrument:	ICPMS1
Units:	mg/L (ppm)	Operator:	AP

Internal Standard:	% Recovery:	Lower	Upper
Holmium	109	Limit:	Limit:
		60	125

Analyte:	Concentration	TCLP Limit
	mg/L (ppm)	
Lead	3.19	5.0

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis for TCLP Metals By EPA Method 200.8 and 40 CFR PART 261

Client ID:	Method Blank	Client:	DLH Environmental Consulting
Date Received:	NA	Project:	L&E, F&BI 008262
Date Extracted:	08/31/10	Lab ID:	I0-477 mb
Date Analyzed:	09/01/10	Data File:	I0-477 mb.036
Matrix:	Paint	Instrument:	ICPMS1
Units:	mg/L (ppm)	Operator:	AP

Internal Standard:	% Recovery:	Lower	Upper
Holmium	105	Limit:	Limit:
		60	125

Analyte:	Concentration	TCLP Limit
	mg/L (ppm)	
Lead	<1	5.0

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/07/10  
 Date Received: 08/23/10  
 Project: L&E, F&BI 008262

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

Laboratory Code: 008237-05 (Duplicate)

Analyte	Reporting Units	(Wet Wt) Sample Result	(Wet Wt) Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	4	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	104	66-121
Toluene	mg/kg (ppm)	0.5	102	72-128
Ethylbenzene	mg/kg (ppm)	0.5	102	69-132
Xylenes	mg/kg (ppm)	1.5	110	69-131
Gasoline	mg/kg (ppm)	20	125	61-153

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/07/10

Date Received: 08/23/10

Project: L&E, F&BI 008262

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

Laboratory Code: 008262-08 (Duplicate)

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

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	98	69-120
Toluene	mg/kg (ppm)	0.5	103	70-117
Ethylbenzene	mg/kg (ppm)	0.5	108	65-123
Xylenes	mg/kg (ppm)	1.5	103	66-120
Gasoline	mg/kg (ppm)	20	95	71-131

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/07/10  
Date Received: 08/23/10  
Project: L&E, F&BI 008262

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

Laboratory Code: 008250-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Lead	mg/kg (ppm)	20	5.27	98 b	100 b	65-126	2

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	mg/kg (ppm)	20	106	81-120

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/07/10  
Date Received: 08/23/10  
Project: L&E, F&BI 008262

**QUALITY ASSURANCE RESULTS  
FOR THE ANALYSIS OF PAINT SAMPLES  
FOR TCLP METALS USING  
EPA METHOD 200.8 AND 40 CFR PART 261**

Laboratory Code: 008262-06 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Lead	mg/L (ppm)	1.0	2.76	95 b	102 b	50-150	7 b

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	mg/L (ppm)	1.0	95	70-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- A1 - More than one compound of similar molecule structure was identified with equal probability.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte indicated may be due to carryover from previous sample injections.
- d - The sample was diluted. Detection limits may be raised due to dilution.
- ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.
- dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.
- fb - Analyte present in the blank and the sample.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.
- ht - Analysis performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The result is below normal reporting limits. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.
- jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the compound indicated is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received in a container not approved by the method. The value reported should be considered an estimate.
- pr - The sample was received with incorrect preservation. The value reported should be considered an estimate.
- ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

008262  
 Send Report To Donna Hewitt  
 Company DLH  
 Address 2400 NW 80th St #117  
 City, State, ZIP Seattle, WA 98117  
 Phone # 206-632-3123 Fax # dlhenvi@comcast.net

**SAMPLE CHAIN OF CUSTODY ME 8/23/10 VSA/D01**

TURNAROUND TIME  
 Standard (2 Weeks)  
 RUSH  
 Rush charges authorized by:

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

SAMPLERS (signature) LJE  
 PROJECT NAME/NO. Q Aol.com  
 PO # Q Aol.com

REMARKS Q Aol.com

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED						Notes	
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS		LEAD
82310-T3-B-95"	01 A-D	8/23/10	9:25	Soil	4	X	X	X					
- B-121	02 A-D		9:29	Soil	4	X	X	X					
- W-9	03 A-E		9:32		5	X	X	X					
S-10	04 A-D		9:44		4	X	X	X					
E-10	05 A-D		9:46		4	X	X	X					
82310-Point-White	06 <del>A-E</del>		1:19	Paint Chip	1						X		
- Paint-Blue	07 <del>A-E</del>		10:00	Paint Chip	1						X		
82310-pipes.W-2	08 A-D	8/23	1:17	Soil	4								add 8/23/10

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

Relinquished by: [Signature]  
 Received by: [Signature]  
 Relinquished by: [Signature]  
 Received by: [Signature]

PRINT NAME: Donna Hewitt  
Michael Costales Fogviz  
 COMPANY: DLH  
FEBI  
 DATE: 8/23/10  
8/23/10  
 TIME: 3:10 PM



FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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

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

August 26, 2010

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

Dear Ms. Hewitt:

Included are the results from the testing of material submitted on August 20, 2010 from the L&E, F&BI 008255 project. There are 8 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

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

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl  
Project Manager

Enclosures  
DLH0826R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on August 20, 2010 by Friedman & Bruya, Inc. from the DLH Environmental Consulting L&E, F&BI 008255 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>DLH Environmental Consulting</u>
008255-01	82010-Pipes
008255-02	82010-T1-B
008255-03	82010-T1-E
008255-04	82010-T1-N
008255-05	82010-T1-S
008255-06	82010-T2-N
008255-07	82010-T2-B-2
008255-08	82010-T2-W
008255-09	82010-T2-B-4

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/26/10  
 Date Received: 08/20/10  
 Project: L&E, F&BI 008255  
 Date Extracted: 08/23/10  
 Date Analyzed: 08/23/10 and 08/24/10

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES  
 FOR BENZENE, TOLUENE, ETHYLBENZENE,  
 XYLENES AND TPH AS GASOLINE  
 USING EPA METHOD 8021B AND NWTPH-Gx**  
 Results Reported on a Dry Weight Basis  
 Results Reported as mg/kg (ppm)

<u>Sample ID</u> Laboratory ID	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl Benzene</u>	<u>Total Xylenes</u>	<u>Gasoline Range</u>	<u>Surrogate (% Recovery)</u> (Limit 50-150)
82010-Pipes 008255-01	<0.02	<0.02	<0.02	<0.06	<2	114
82010-T1-B 008255-02 1/40	<0.8	19	40	300	5,100	ip
82010-T1-E 008255-03	<0.02	<0.02	<0.02	<0.06	<2	85
82010-T1-N 008255-04 1/40	<0.8	3.6	15	69	4,900	ip
82010-T1-S 008255-05 1/40	<0.8	15	36	280	7,400	ip
82010-T2-N 008255-06 1/100	6.0	92	100	720	8,700	ip
82010-T2-B-2 008255-07 1/10	1.5	120	110	790	12,000	ip
82010-T2-W 008255-08	<0.02	0.15	0.32	2.0	120	76
82010-T2-B-4 008255-09 1/10	3.4	460	290	2,000	20,000	ip
Method Blank 00-1305 MB	<0.02	<0.02	<0.02	<0.06	<2	74

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	82010-T1-B	Client:	DLH Environmental Consulting
Date Received:	08/20/10	Project:	L&E, F&BI 008255
Date Extracted:	08/23/10	Lab ID:	008255-02
Date Analyzed:	08/23/10	Data File:	008255-02.015
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	97	60	125

Analyte:	Concentration mg/kg (ppm)
Lead	19.6

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	82010-T2-B-2	Client:	DLH Environmental Consulting
Date Received:	08/20/10	Project:	L&E, F&BI 008255
Date Extracted:	08/23/10	Lab ID:	008255-07
Date Analyzed:	08/23/10	Data File:	002555-07.016
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	99	60	125

Analyte:	Concentration mg/kg (ppm)
Lead	18.3

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	DLH Environmental Consulting
Date Received:	NA	Project:	L&E, F&BI 008255
Date Extracted:	08/23/10	Lab ID:	I0-457 mb
Date Analyzed:	08/23/10	Data File:	I0-457 mb.018
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	AP

Internal Standard:	% Recovery:	Lower	Upper
Holmium	89	Limit:	Limit:
		60	125

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/26/10  
 Date Received: 08/20/10  
 Project: L&E, F&BI 008255

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

Laboratory Code: 008255-01 (Duplicate)

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

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	79	69-120
Toluene	mg/kg (ppm)	0.5	85	70-117
Ethylbenzene	mg/kg (ppm)	0.5	81	65-123
Xylenes	mg/kg (ppm)	1.5	84	66-120
Gasoline	mg/kg (ppm)	20	108	71-131

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/26/10  
Date Received: 08/20/10  
Project: L&E, F&BI 008255

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

Laboratory Code: 008250-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Lead	mg/kg (ppm)	20	5.27	98 b	100 b	65-126	2

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	mg/kg (ppm)	20	106	81-120



# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Data Qualifiers & Definitions

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

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

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

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

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

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

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

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

fb - Analyte present in the blank and the sample.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SAMPLE CHAIN OF CUSTODY**

ME

8/20/10 vs A11

008255

Send report to Donna Heath  
 Company DLH  
 Address 2400 NW 80th St #114  
 City, State, ZIP Seattle, WA 98117  
 Phone # 206-632-3123 Fax # dlhenvi@earthlink.net

SAMPLERS (signature) [Signature]  
 PROJECT NAME/NO LIE PO #  
 REMARKS 2-24 HX RUSH  
the Rest by Friday 27th  
@ Adl.com

Page #  
 TURNAROUND TIME  
 Standard (2 Weeks)  
 RUSH  
 Rush charges authorized by:  
 SAMPLE DISPOSAL  
 Dispose after 30 days  
 Return samples  
 Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED						Notes	
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS		LEAD
82010-Pipes	01 A-D	8/20/10	10:25	Soil	4	X	X	X					
82010-T1-B	02 A-E		12:13		5	X	X	X		X			
	03A-D		12:15		4	X	X	X					
	04 A-D		12:17		4	X	X	X					
	05 A-D		12:21		4	X	X	X					
	06 A-D		2:07		4	X	X	X					
	07 A-D		2:08		5	X	X	X		X		RUSH-24	7'6
	08 A-D		2:10		4	X	X	X					
	09 A-D		2:15		4	X	X	X					

PRINT NAME: Donna Heath COMPANY: DLH DATE: 8/20/10 TIME: 4:20  
 SIGNATURE: [Signature]  
 Relinquished by: [Signature]  
 Received by: [Signature]  
 Relinquished by: Michael E. Dahl  
 Received by: [Signature]

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

Samples received at 24 °C

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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

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

August 24, 2010

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

Dear Ms. Hewitt:

Included are the results from the testing of material submitted on August 19, 2010 from the L&E, F&BI 008231 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

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

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl  
Project Manager

Enclosures  
DLH0824R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on August 19, 2010 by Friedman & Bruya, Inc. from the DLH Environmental Consulting L&E, F&BI 008231 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>DLH Environmental Consulting</u>
008231-01	81910-N
008231-02	81910-S
008231-03	81910-E
008231-04	81910-W
008231-05	81910-B
008231-06	81910-B+4'
008231-07	81910-Hyd-7'

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/24/10  
Date Received: 08/19/10  
Project: L&E, F&BI 008231  
Date Extracted: 08/20/10  
Date Analyzed: 08/20/10

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES  
FOR TOTAL PETROLEUM HYDROCARBONS AS  
DIESEL AND MOTOR OIL  
USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

<u>Sample ID</u> Laboratory ID	<u>Diesel Range</u> (C <sub>10</sub> -C <sub>25</sub> )	<u>Motor Oil Range</u> (C <sub>25</sub> -C <sub>36</sub> )	<u>Surrogate</u> (% Recovery) (Limit 53-144)
81910-N 008231-01	7,100	27,000	93
81910-S 008231-02	<50	<250	93
81910-E 008231-03	<50	<250	91
81910-W 008231-04	<50	<250	92
81910-B 008231-05	11,000	33,000	87
81910-B+4' 008231-06	5,600	13,000	95
81910-Hyd-7' 008231-07	<50	<250	91
Method Blank 00-1292 MB	<50	<250	92

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/24/10  
Date Received: 08/19/10  
Project: L&E, F&BI 008231

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES  
FOR TOTAL PETROLEUM HYDROCARBONS AS  
DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 008231-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	21,000	33 b	19 b	64-133	54 b

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	107	58-147

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- A1 - More than one compound of similar molecule structure was identified with equal probability.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte indicated may be due to carryover from previous sample injections.
- d - The sample was diluted. Detection limits may be raised due to dilution.
- ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.
- dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.
- fb - Analyte present in the blank and the sample.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.
- ht - Analysis performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The result is below normal reporting limits. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.
- jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the compound indicated is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received in a container not approved by the method. The value reported should be considered an estimate.
- pr - The sample was received with incorrect preservation. The value reported should be considered an estimate.
- ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

008231  
 Send Report To: Donna Hewitt  
 Company: DH  
 Address: 2400 NW Both St #114  
 City, State, ZIP: Seattle, WA 98117  
 Phone #: 206-632-3123 Fax: when environmental CADL.COM

ME 08/19/10  
 Page # 1 of 1  
 DOS

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED					Notes	
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270		HFS
81910-N	01	8/19/10	10:12	Soil	1	X						
S	02					X						
F	03					X						
W	04					X						
B	05					X						
B+4'	06					X						24HR RUSH
Hyd-7'	07		1:48			X						24HR RUSH

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

Relinquished by: [Signature]  
 Received by: [Signature]  
 Relinquished by: [Signature]  
 Received by: [Signature]

PRINT NAME: Donna Hewitt  
Phan Pham

COMPANY: DH  
FEBT

DATE: 8/19/10  
8/19/10

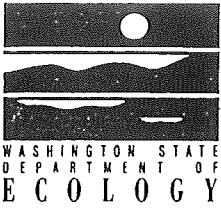
TIME: 4:30  
4:30

Samples received at 22 °C



## **APPENDIX C**

# **WASHINGTON STATE DEPARTMENT OF ECOLOGY UST SITE CHECK/SITE ASSESSMENT FORMS.**



# UNDERGROUND STORAGE TANK TEMPORARY/PERMANENT CLOSURE and SITE ASSESSMENT NOTICE

See back of form for instructions  
Please  the appropriate box(es)  
Please type or print information

For Office Use Only

Owner # \_\_\_\_\_

Site # \_\_\_\_\_

Temporary Tank Closure  Permanent Tank Closure  Change-In-Service  Site Assessment/Site Check

## SITE INFORMATION:

Site ID Number (on invoice or available from Ecology if the tanks are registered): \_\_\_\_\_

Site/Business Name: LIE Auto Sales (tenant)

Site Address: 2101 Burwell Place Telephone: (360) 377-6683  
Street  
Bremerton WA 98311  
City State ZIP-Code

## TANK INFORMATION:

Tank ID	Closure Date	Tank Capacity	Substance Stored
T1	8/20/10	1000 gal	gasoline
T2	8/20/10	1000 gal	gasoline
T3	8/23/10	2000 gal	gasoline
T4	8/19/10	250 gallon	Waste Oil

### CONTAMINATION PRESENT AT THE TIME OF CLOSURE

Yes  No

Unknown

Check unknown if no obvious contamination was observed and sample results have not yet been received from analytical lab.

## UST SYSTEM OWNER/OPERATOR:

Dorothy Romberg + Estate of Mevelyn Romberg

UST Owner/Operator: Harry Romberg for Estate of Mevelyn Romberg

Owners Signature: Dorothy Romberg Telephone: (206) 365-9302

Address: 11538 17th Ave NE  
Street  
Seattle WA 98125  
City State ZIP-Code

## TANK CLOSURE/CHANGE-IN-SERVICE PERFORMED BY:

Service Provider: PESCO License Number: \_\_\_\_\_

Licensed Supervisor: Donna Hewitt (for PESCO) Decommissioning License Number: \_\_\_\_\_

Supervisors Signature: [Signature]

Address: \_\_\_\_\_ 2049  
Street P.O. Box  
Port Townsend WA 98368  
City State ZIP-Code

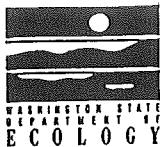
Telephone: (800) 222-9219

## SITE CHECK/SITE ASSESSMENT CONDUCTED BY:

Name of Registered Site Assessor: DONNA HEWITT

Telephone: (206) 632-3123

Address: 2400 NW Both Street Pmb #114  
Street  
Seattle, WA 98117  
City State ZIP-Code



# UNDERGROUND STORAGE TANK Site Check/Site Assessment Checklist

For Office Use Only	
Owner #	_____
Site #	_____

## INSTRUCTIONS:

When a release has **not** been confirmed and reported, this Site Check/Site Assessment Checklist must be completed and signed by a person registered with the Department of Ecology. **The results of the site check or site assessment must be included with this checklist.** This form must be submitted to Ecology at the address shown below within 30 days after completion of the site check/site assessment.

**SITE INFORMATION:** Include the Ecology site ID number if the tanks are registered with Ecology. This number may be found on the tank owner's invoice or tank permit.

**TANK INFORMATION:** Please list all the tanks for which the site check and site assessment is being conducted. Use the tank ID number if available, and indicate tank capacity and substance stored.

**REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT:** Please check the appropriate item.

**CHECKLIST:** Please initial each item in the appropriate box.

**SITE ASSESSOR INFORMATION:** This form must be signed by the registered site assessor who is responsible for conducting the site check/site assessment.

Underground Storage Tank Section  
Department of Ecology  
P. O. Box 47655  
Olympia, WA 98504-7655

## SITE INFORMATION

Site ID Number (on invoice or available from Ecology if the tanks are registered): Not Registered

Site/Business Name: Life Auto Sales (lessee)

Site Address: 2101 Burwell place Telephone: (206) 377-6683

Street

Bremerton WA 98311

City State ZIP-Code

## TANK INFORMATION

Tank ID No.	Tank Capacity	Substance Stored
T1	1000 gal	gasoline
T2	1000 gal	gasoline
T3	2000 gal	gasoline
T4	250 gallon	Waste Oil

## REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT

- Check one:
- Investigate suspected release due to on-site environmental contamination.
  - Investigate suspected release due to off-site environmental contamination.
  - Extend temporary closure of UST system for more than 12 months.
  - UST system undergoing change-in-service.
  - UST system permanently closed-in-place.
  - UST system permanently closed with tank removed.
  - Abandoned tank containing product.
  - Required by Ecology or delegated agency for UST system closed before 12/22/88.
  - Other (describe): Found tanks during Historical Review

TANK-TI

CHECKLIST		YES	NO
1.	The location of the UST site is shown on the vicinity map.	✓	
2.	A brief summary of information obtained during the site inspection is provided. (see Section 3.2 in the Site Assessment Guidance)	✓	
3.	A summary of UST system data is provided. (see Section 3.1)		✓
4.	The soils characteristics at the UST site are described. (see Section 5.2)	✓	✓
5.	Is there apparent groundwater in the tank excavation?		
6.	A brief description of the surrounding land is provided. (see Section 3.1)	✓	
7.	Information has been provided indicating the number and types of samples collected, methods used to collect and analyze the samples, and the name and address of the laboratory used to perform the analyses.	✓	
8.	A sketch or sketches showing the following items is provided:		
	- location and ID number for all field samples collected	✓	
	- groundwater samples distinguished from soil samples (if applicable)	NA	
	- samples collected from stockpiled excavated soil	✓	
	- tank and piping locations and limits of excavation pit	✓	
	- adjacent structures and streets	✓	
	- approximate locations of any on-site and nearby utilities	✓	
9.	If sampling procedures different from those specified in the guidance were used, has justification for using these alternative sampling procedures been provided? (see Section 3.4)	✓	
10.	A table is provided showing laboratory results for each sample collected including: sample ID number, constituents analyzed for and corresponding concentration, analytical method and detection limit for that method.	✓	
11.	Any factors that may have compromised the quality of the data or validity of the results are described.	✓	
12.	The results of this site check/site assessment indicate that a confirmed release of regulated substance has occurred.	✓	

**SITE ASSESSOR INFORMATION**

DONNA HEWITT DLH  
 PERSON REGISTERED WITH ECOLOGY FIRM AFFILIATED WITH  
 BUSINESS ADDRESS: 2400 NW 80th St Pmb 114 TELEPHONE: (206) 632-3123  
 Seattle WA 98117  
 CITY STATE ZIP+CODE  
 I hereby certify that I have been in responsible charge of performing the site check/site assessment described above. Persons submitting false information are subject to penalties under Chapter 173-360 WAC.  
 8/31/2010   
 Date Signature of Person Registered with Ecology

TANK-T2

**CHECKLIST**

Each item of the following checklist shall be initialed by the person registered with the Department of Ecology whose signature appears below.

		YES	NO
1.	The location of the UST site is shown on the vicinity map.	✓	
2.	A brief summary of information obtained during the site inspection is provided. (see Section 3.2 in the Site Assessment Guidance)	✓	
3.	A summary of UST system data is provided. (see Section 3.1)		✓
4.	The soils characteristics at the UST site are described. (see Section 5.2)	✓	✓
5.	Is there apparent groundwater in the tank excavation?		
6.	A brief description of the surrounding land is provided. (see Section 3.1)	✓	
7.	Information has been provided indicating the number and types of samples collected, methods used to collect and analyze the samples, and the name and address of the laboratory used to perform the analyses.	✓	
8.	A sketch or sketches showing the following items is provided:		
	- location and ID number for all field samples collected	✓	
	- groundwater samples distinguished from soil samples (if applicable)	NA	
	- samples collected from stockpiled excavated soil	✓	
	- tank and piping locations and limits of excavation pit	✓	
	- adjacent structures and streets	✓	
	- approximate locations of any on-site and nearby utilities	✓	
9.	If sampling procedures different from those specified in the guidance were used, has justification for using these alternative sampling procedures been provided? (see Section 3.4)	✓	
10.	A table is provided showing laboratory results for each sample collected including: sample ID number, constituents analyzed for and corresponding concentration, analytical method and detection limit for that method.	✓	
11.	Any factors that may have compromised the quality of the data or validity of the results are described.	✓	
12.	The results of this site check/site assessment indicate that a confirmed release of regulated substance has occurred.	✓	

**SITE ASSESSOR INFORMATION**

DONNA HEWITT PERSON REGISTERED WITH ECOLOGY DLH FIRM AFFILIATED WITH  
 BUSINESS ADDRESS: 2400 NW 80th St Pmb 114 TELEPHONE: (206) 632-3123  
Seattle CITY WA STATE 98117 ZIP+CODE

I hereby certify that I have been in responsible charge of performing the site check/site assessment described above. Persons submitting false information are subject to penalties under Chapter 173-360 WAC.

8/31/2010  
Date

[Signature]  
Signature of Person Registered with Ecology

TANK - T3

**CHECKLIST**

Each item of the following checklist shall be initialed by the person registered with the Department of Ecology whose signature appears below.

	YES	NO
1. The location of the UST site is shown on the vicinity map.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. A brief summary of information obtained during the site inspection is provided. (see Section 3.2 in the Site Assessment Guidance)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. A summary of UST system data is provided. (see Section 3.1)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. The soils characteristics at the UST site are described. (see Section 5.2)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5. Is there apparent groundwater in the tank excavation?	<input type="checkbox"/>	<input type="checkbox"/>
6. A brief description of the surrounding land is provided. (see Section 3.1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Information has been provided indicating the number and types of samples collected, methods used to collect and analyze the samples, and the name and address of the laboratory used to perform the analyses.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. A sketch or sketches showing the following items is provided:		
- location and ID number for all field samples collected	<input checked="" type="checkbox"/>	<input type="checkbox"/>
- groundwater samples distinguished from soil samples (if applicable)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
- samples collected from stockpiled excavated soil	<input checked="" type="checkbox"/>	<input type="checkbox"/>
- tank and piping locations and limits of excavation pit	<input checked="" type="checkbox"/>	<input type="checkbox"/>
- adjacent structures and streets	<input checked="" type="checkbox"/>	<input type="checkbox"/>
- approximate locations of any on-site and nearby utilities	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9. If sampling procedures different from those specified in the guidance were used, has justification for using these alternative sampling procedures been provided? (see Section 3.4)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10. A table is provided showing laboratory results for each sample collected including: sample ID number, constituents analyzed for and corresponding concentration, analytical method and detection limit for that method.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11. Any factors that may have compromised the quality of the data or validity of the results are described.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12. The results of this site check/site assessment indicate that a confirmed release of regulated substance has occurred.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**SITE ASSESSOR INFORMATION**

DONNA HEWITT PERSON REGISTERED WITH ECOLOGY DLH FIRM AFFILIATED WITH  
 BUSINESS ADDRESS: 2400 NW 80th St Pmb 114 TELEPHONE: (206) 632-3123  
Seattle CITY WA STATE 98117 ZIP+CODE  
 I hereby certify that I have been in responsible charge of performing the site check/site assessment described above. Persons submitting false information are subject to penalties under Chapter 173-360 WAC.  
8/31/2010 Date [Signature] Signature of Person Registered with Ecology

TANK - 14

**CHECKLIST**

Each item of the following checklist shall be initialed by the person registered with the Department of Ecology whose signature appears below.

	YES	NO
1. The location of the UST site is shown on the vicinity map.	✓	
2. A brief summary of information obtained during the site inspection is provided. (see Section 3.2 in the Site Assessment Guidance)	✓	
3. A summary of UST system data is provided. (see Section 3.1)		✓
4. The soils characteristics at the UST site are described. (see Section 5.2)	✓	✓
5. Is there apparent groundwater in the tank excavation?		
6. A brief description of the surrounding land is provided. (see Section 3.1)	✓	
7. Information has been provided indicating the number and types of samples collected, methods used to collect and analyze the samples, and the name and address of the laboratory used to perform the analyses.	✓	
8. A sketch or sketches showing the following items is provided:		
- location and ID number for all field samples collected	✓	
- groundwater samples distinguished from soil samples (if applicable)	NA	
- samples collected from stockpiled excavated soil	✓	
- tank and piping locations and limits of excavation pit	✓	
- adjacent structures and streets	✓	
- approximate locations of any on-site and nearby utilities	✓	
9. If sampling procedures different from those specified in the guidance were used, has justification for using these alternative sampling procedures been provided? (see Section 3.4)	✓	
10. A table is provided showing laboratory results for each sample collected including: sample ID number, constituents analyzed for and corresponding concentration, analytical method and detection limit for that method.	✓	
11. Any factors that may have compromised the quality of the data or validity of the results are described.	✓	
12. The results of this site check/site assessment indicate that a confirmed release of regulated substance has occurred.	✓	

**SITE ASSESSOR INFORMATION**

DONNA HEWITT PERSON REGISTERED WITH ECOLOGY DLH FIRM AFFILIATED WITH  
 BUSINESS ADDRESS: 2400 NW 80th St Pmb 114 TELEPHONE: (206) 632-3123  
Seattle CITY WA STATE 98117 ZIP+CODE

I hereby certify that I have been in responsible charge of performing the site check/site assessment described above. Persons submitting false information are subject to penalties under Chapter 173-360 WAC.

8/31/2010  
Date

[Signature]  
Signature of Person Registered with Ecology

## **APPENDIX D**

# **TANK CLEANING AND SOIL DISPOSAL DATA**



*Marine Vacuum Service, Inc.*

GENERAL CONTRACTOR  
CONTRACTORS LICENSE # MARINVS097JA

P.O. Box 24263 Seattle, Washington 98124

Telephone (206) 762-0240

FAX (206) 763-8084

1-800-540-7491

STORAGE TANK

CERTIFICATE OF DESTRUCTION

DATE: 8/20 – 8/23/2010

ATTN: Pacific Environmental Service

TANK OWNER: L&E auto Sales

TANK LOCATION: 2101 Burwell pl, Bremerton, wa

TANK DESCRIPTION: 1-300 gallon & 2 -500 gallon tanks

LAST CONTENTS HELD IN TANKS: Oil and Water.

Marine Vacuum Service, Inc certifies that the tank mentioned above was pumped of all liquid materials and washed clean with a high-pressure washer and soap solution. The tank has been disposed of by metal recycling and contents therein have been disposed of according to all Local, State and Federal Regulations.

Thank you,



Lucas Meier  
Dispatcher

DBE # D4M1302341

EPA # WAD980974521

A MINORITY BUSINESS ENTERPRISE ID # D4M1302341

# Olympic View Transfer Station

9300 SW Barney White Road, Port Orchard Washington

## Profile # 102441WA

### PERMIT TO DISPOSE OF NON-HAZARDOUS MATERIALS

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

**EXPIRES: 12/16/2010**


**GENERATOR: DOROTHY ROMBERG AND ESTATE OF MEVELYN ROMBERG - CS2**

<b>DESCRIPTION:</b> PCS - GASOLINE	<b>VOLUME:</b> 60 tons
<input checked="" type="checkbox"/> CO-MINGLE <input type="checkbox"/> SEGREGATE <input type="checkbox"/> CLEAN-UP MATERIAL	
<b>LOCATION:</b> BREMERTON, WASHINGTON 227 NAVAL AVENUE	<b>COUNTY:</b> * Kitsap
<b>CONTACT:</b> HARRY ROMBERG	<b>PHONE:</b> 206-365-9302
	<b>FAX:</b> hromb@aol.com
<b>Recertification:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No	

<b>BILLING:</b> PESCO VIA WM SALES	<b>PO#:</b> N/A	<b>JOB#:</b> N/A
------------------------------------	-----------------	------------------

**TYPE OF DISPOSAL/SPECIAL HANDLING :**      *Commodity: contaminated soils*

\*\*\*\*\*PLEASE CALL OVTS TO SCHEDULE DISPOSAL\*\*\*\*\*

APPROVED:       KRISTIN CASTNER      DATE: 10/09/10 3:54:56 PM

A COPY OF THIS PERMIT MUST BE SHOWN BY EACH DRIVER  
PROJECTS MUST BE SCHEDULED WITH FACILITY  
MANAGEMENT CALL : 360-674-2297



**WASTE MANAGEMENT**

2009  
OLYMPIC VIEW TRANSFER STATION  
BILL OF LADING/WEIGH TICKET

OLYMPIC VIEW  
TRANSFER STATION



Generator Name & Address:

Dorothy Romberg  
and Estate of  
Melelyn Romberg  
227 Naval Avenue  
Bremerton, WA

CS-2 10471 Date: 10/11/10  
To: Pescopia WM Sales  
profile # 102441 WA

Billing: Pesco via WM Sale

Contact Person: Harry Romberg

Telephone #: 206 365-9302

G-51,080	
T-26,040	
N-25,040	

TRK  
MJ TRK 5 Juelin 12.52 TONS  
Signature:

Acknowledgement of Loading

THOMAS WESTERLUND  
Name (Please Print)

Pacific Environmental  
Company

Thomas Westerlund  
Signature

10-11-10  
Date

Deliver To:  
Olympic View Transfer Station  
9300 SW Barney White Road  
Port Orchard, WA 98367  
Tel# (360) 674-2297  
Monday-Friday 8:00am-5:00pm

Disposal Facility:  
Columbia Ridge Landfill & Recycling Facility  
18177 Cedar Springs Lane  
Arlington, Oregon 97812  
Tel# (541)454-2030

Transporter Name: MJ

Waste Profile#: 102441WA

Truck #: TRK #5

Waste Type: CS2/PCS-Gasoline

Container#:

Expiration Date: 12-16-10

THOMAS WESTERLUND  
Driver's name (Please Print)

Thomas Westerlund  
Driver's Signature

10-11-10  
Date

2009

OLYMPIC VIEW TRANSFER STATION  
BILL OF LADING/WEIGH TICKET

OLYMPIC VIEW  
TRANSFER STATION



Generator Name & Address:

Dorothy Romberg  
and Estate of  
Melelyn Romberg  
227 Naval Avenue  
Bremerton, WA

CS-2 14413 Date: 10/11/10  
To: Pesco via WM Sales  
Profile #102441WA

Billing: Pesco via WM Sales

Contact Person: Harry Romberg  
Telephone #: 206 365-9302

G-32,060  
T-16,180  
N 15,880

TRK  
PAC120 John L. Tyner 7.94 TONS  
Signature:

Acknowledgement of Loading

John L. Tyner  
Name (Please Print)

Pacific Environmental  
Company

John L. Tyner  
Signature

10-11-10  
Date

Deliver To:  
Olympic View Transfer Station  
9300 SW Barney White Road  
Port Orchard, WA 98367  
Tel# (360) 674-2297  
Monday-Friday 8:00am-5:00pm

Disposal Facility:  
Columbia Ridge Landfill & Recycling Facility  
18177 Cedar Springs Lane  
Arlington, Oregon 97812  
Tel# (541)454-2030

Transporter Name: \_\_\_\_\_

Waste Profile#: 102441WA

Truck #: TRK: 120

Waste Type: CS2/PCS-Gasoline

Container#: \_\_\_\_\_

Expiration Date: 12-16-10

John L. Tyner  
Driver's name (Please Print)

John L. Tyner  
Driver's Signature

10-11-10  
Date

2009  
OLYMPIC VIEW TRANSFER STATION  
BILL OF LADING/WEIGH TICKET

OLYMPIC VIEW  
TRANSFER STATION



Generator Name & Address:

Dorothy Romberg  
and Estate of  
Melelyn Romberg  
227 Naval Avenue  
Bremerton, WA

CS-2 14414 Date: 10/11/10  
To: Pesco via WM Sales  
profile # 102441WA

Billing: Pesco via WM Sale

Contact Person: Harry Romberg

Telephone #: 206 365-9302

G-55300	
T-26180	
N-29120	

TRK #5 Mick 14.56 TONS  
Signature:

Acknowledgement of Loading

THOMAS WESTERLUND  
Name (Please Print)  
Thomas Westerlund  
Signature

Pacific Environmental  
Company  
10-11-10  
Date

Deliver To:  
Olympic View Transfer Station  
9300 SW Barney White Road  
Port Orchard, WA 98367  
Tel# (360) 674-2297  
Monday-Friday 8:00am-5:00pm

Disposal Facility:  
Columbia Ridge Landfill & Recycling Facility  
18177 Cedar Springs Lane  
Arlington, Oregon 97812  
Tel# (541)454-2030

Transporter Name: MJ  
Truck #: TRK #5  
Container#:

Waste Profile#: 102441WA  
Waste Type: CS2/PCS-Gasoline  
Expiration Date: 12-16-10

THOMAS WESTERLUND  
Driver's name (Please Print)  
Thomas Westerlund  
Driver's Signature

10-11-10  
Date

2009  
OLYMPIC VIEW TRANSFER STATION  
BILL OF LADING/WEIGH TICKET

OLYMPIC VIEW  
TRANSFER STATION



Generator Name & Address:

Dorothy Romberg  
and Estate of  
Melvyn Romberg  
227 Naval Avenue  
Bremerton, WA

CS2 14426

Date: 10/11/10

To: Pesco via WM Sales  
profile #102441 WA

Billing: Pesco via WM Sales

Contact Person: Harry Romberg

Telephone #: 206 365-9302

G-49140	
T-26220	
N-22920	

TRK  
MJ-5 *[Signature]*

11.46 TONS

Signature:

Acknowledgement of Loading

THOMAS WESTERLUND  
Name (Please Print)

Pacific Environmental  
Company

*[Signature]*  
Signature

10-11-10  
Date

Deliver To:  
Olympic View Transfer Station  
9300 SW Barney White Road  
Port Orchard, WA 98367  
Tel# (360) 674-2297  
Monday-Friday 8:00am-5:00pm

Disposal Facility:  
Columbia Ridge Landfill & Recycling Facility  
18177 Cedar Springs Lane  
Arlington, Oregon 97812  
Tel# (541)454-2030

Transporter Name: MJ

Waste Profile#: 102441WA

Truck #: TRK #5

Waste Type: CS2/PCS-Gasoline

Container#:

Expiration Date: 12-16-10

THOMAS WESTERLUND  
Driver's name (Please Print)

*[Signature]*  
Driver's Signature

10-11-10  
Date

2009

**OLYMPIC VIEW TRANSFER STATION  
BILL OF LADING/WEIGH TICKET**

**OLYMPIC VIEW  
TRANSFER STATION**



Generator Name & Address:

Dorothy Romberg  
and Estate of  
Melelyn Romberg  
227 Naval Avenue  
Bremerton, WA

CS-2 14440 Date: 10/11/10  
To: Pesco via WM Sales  
profile # 102441 WA

Billing: Pesco via WM Sales

Contact Person: Harry Romberg

Telephone #: 206 365-9302

G-31700  
T-16,140  
N 15,500  
7.18 TONS

TRK PAC120 John L. Tyner  
HAJ TRK 6 Signature:

Acknowledgement of Loading

John L. Tyner  
Name (Please Print)

Pacific Environmental  
Company

John L. Tyner  
Signature

10/11/10  
Date

Deliver To:  
Olympic View Transfer Station  
9300 SW Barney White Road  
Port Orchard, WA 98367  
Tel# (360) 674-2297  
Monday-Friday 8:00am-5:00pm

Disposal Facility:  
Columbia Ridge Landfill & Recycling Facility  
18177 Cedar Springs Lane  
Arlington, Oregon 97812  
Tel# (541)454-2030

Transporter Name: \_\_\_\_\_

Waste Profile#: 102441WA

Truck #: TRK: 120

Waste Type: CS2/PCS-Gasoline

Container#: \_\_\_\_\_

Expiration Date: 12-16-10

John L. Tyner  
Driver's name (Please Print)

John L. Tyner  
Driver's Signature

10/11/10  
Date

2009

OLYMPIC VIEW TRANSFER STATION  
BILL OF LADING/WEIGH TICKET

OLYMPIC VIEW  
TRANSFER STATION



Generator Name & Address:

Dorothy Romberg  
and Estate of  
Melelyn Romberg  
227 Naval Avenue  
Bremerton, WA

14441

Date: 10/11/10

G-2 To: Pesco via WM Sales  
profile # 102441 WA

Billing: Pesco via WM Sales

Contact Person: Harry Romberg

Telephone #: 206 365-9302

G-55100	
T-26140	14.48
N 28960	

TRK Truck TONS  
MS TRKS  
Signature: \_\_\_\_\_

Acknowledgement of Loading

THOMAS WESTERLUND  
Name (Please Print)

Pacific Environmental  
Company

Thomas Westerlund  
Signature

10-11-10  
Date

Deliver To:  
Olympic View Transfer Station  
9300 SW Barney White Road  
Port Orchard, WA 98367  
Tel# (360) 674-2297  
Monday-Friday 8:00am-5:00pm

Disposal Facility:  
Columbia Ridge Landfill & Recycling Facility  
18177 Cedar Springs Lane  
Arlington, Oregon 97812  
Tel# (541)454-2030

Transporter Name: MJ

Waste Profile#: 102441WA

Truck #: TRK #5

Waste Type: CS2/PCS-Gasoline

Container#:

Expiration Date: 12-16-10

THOMAS WESTERLUND  
Driver's name (Please Print)

Thomas Westerlund  
Driver's Signature

10-11-10  
Date



2009

**OLYMPIC VIEW TRANSFER STATION  
BILL OF LADING/WEIGH TICKET**

**OLYMPIC VIEW  
TRANSFER STATION**



Generator Name & Address:

Dorothy Romberg  
and Estate of  
Melelyn Romberg  
227 Naval Avenue  
Bremerton, WA

CS-2 14442 Date: 10/11/10  
To: Pesco via WM Sales  
profile # 102441WA

Billing: Pesco via WM Sales

Contact Person: Harry Romberg  
Telephone #: 206 365-9302

G-30540	(7.21)
T-16120	
N14420	
<u>TRK</u> <u>John</u>	<u>TONS</u>
<u>PAC 120</u>	Signature: _____

Acknowledgement of Loading

John L. Tyner  
Name (Please Print)  
John L. Tyner  
Signature

Pacific Environmental  
Company  
10-11-10  
Date

Deliver To:  
Olympic View Transfer Station  
9300 SW Barney White Road  
Port Orchard, WA 98367  
Tel# (360) 674-2297  
Monday-Friday 8:00am-5:00pm

Disposal Facility:  
Columbia Ridge Landfill & Recycling Facility  
18177 Cedar Springs Lane  
Arlington, Oregon 97812  
Tel# (541)454-2030

Transporter Name: PAC ENV  
Truck #: TRK 120  
Container#:

Waste Profile#: 102441WA  
Waste Type: CS2/PCS-Gasoline  
Expiration Date: 12-16-10

John L. Tyner  
Driver's name (Please Print)  
John L. Tyner  
Driver's Signature

10-11-10  
Date

# **APPENDIX E**

## **PERMITS AND CERTIFICATIONS**

# INTERNATIONAL CODE COUNCIL

**DONNA HEWITT**

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

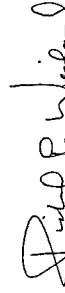
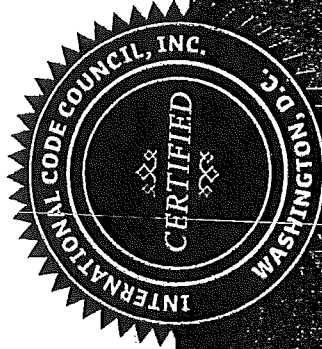
## **UST Decommissioning**

Given this day of July 1, 2009

Certificate No. 1044716-U2



**Adolf Zubia**  
President, Board of Directors



**Richard P. Weiland**  
Chief Executive Officer





**DONNA HEWITT  
WASHINGTON STATE SITE ASSESSMENT**

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

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



Not valid unless signed by certificate holder.

ICC certification attests to competent knowledge of codes and standards

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

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

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

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

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

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

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

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

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

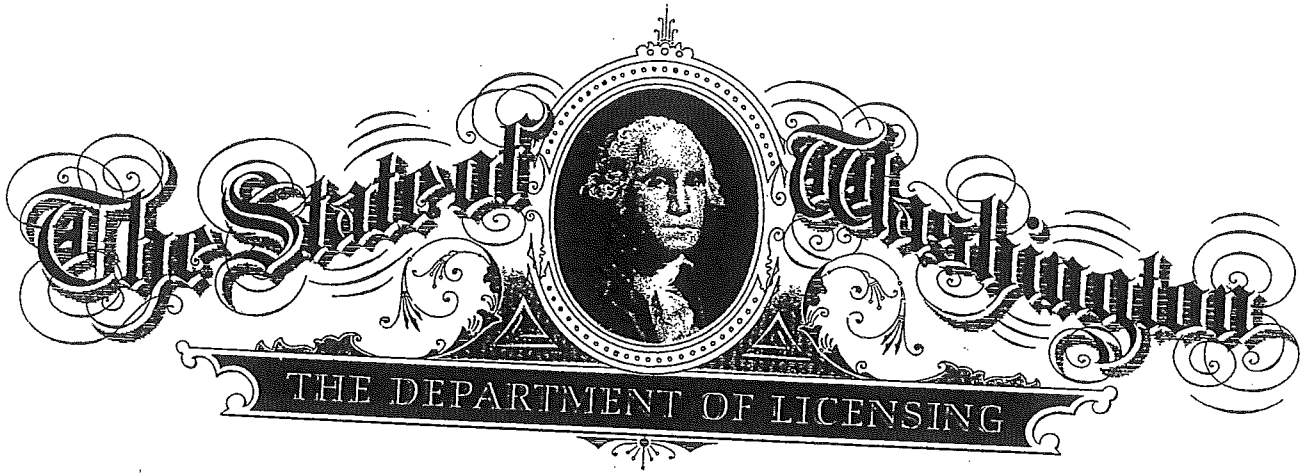
If you have achieved a NAFED certification you must notify NAFED of any change of address. <http://www.nafed.org>

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

Yours very truly,

Certification and Testing Department

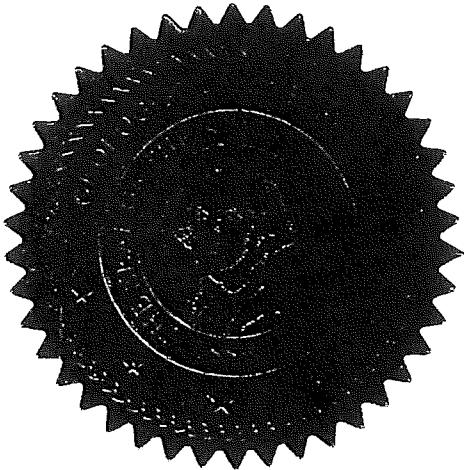
Enclosure



*It is hereby certified that Donna L. Hewitt  
has satisfactorily complied with and completed the statutory requirements set  
forth in title 18 revised code of Washington to engage in practice as a*

## **Geologist**

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



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

*Fred Stephens*  
\_\_\_\_\_  
DIRECTOR

*Geologist Licensing Board*

*Alfred H. Randall*  
\_\_\_\_\_  
CHAIR

No. 899

# ACORD CERTIFICATE OF LIABILITY INSURANCE

OP ID KE  
DLHEN-1

DATE (MM/DD/YYYY)  
04/20/10

PRODUCER

Assurance Brokers Ltd.  
95 North Research Dr Ste 100  
Edwardsville IL 62025  
Phone: 618-692-9800 Fax: 618-692-9865

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURED

DIH Environmental Consulting  
2400 NW 80th Street #114  
Seattle WA 98117

INSURERS AFFORDING COVERAGE

NAIC #

INSURER A: American Safety RRG, Inc. 25448

INSURER B:

INSURER C:

INSURER D:

INSURER E:

## COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR ADD'L LTR	INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS
A		GENERAL LIABILITY				
		<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> POLLUTION LIAB	ENV013037-10-05	04/24/10	04/24/11	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 50,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 1,000,000 PRODUCTS - COMP/OP AGG \$ 1,000,000
		GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC				
		AUTOMOBILE LIABILITY				
		<input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS				COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
		GARAGE LIABILITY				
		<input type="checkbox"/> ANY AUTO				AUTO ONLY - EA ACCIDENT \$ OTHER THAN AUTO ONLY: EA ACC \$ AGG \$
		EXCESS/UMBRELLA LIABILITY				
		<input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE <input type="checkbox"/> DEDUCTIBLE <input type="checkbox"/> RETENTION \$				EACH OCCURRENCE \$ AGGREGATE \$ \$ \$ \$
		WORKERS COMPENSATION AND EMPLOYERS' LIABILITY				
		ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? If yes, describe under SPECIAL PROVISIONS below OTHER				<input type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
A		Professional Liab.	ENV013037-10-05	04/24/10	04/24/11	Aggregate 1,000,000 Ea. Claim 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS  
 For informational and bidding purposes.

CERTIFICATE HOLDER

### CANCELLATION

INFORMA

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

INFORMATIONAL PURPOSES

AUTHORIZED REPRESENTATIVE

*Charles W. [Signature]*

# Appendix C



February 25, 2013

Mr. Shawn Williams  
Enviro Sound Consulting  
3388 Byron St, Suite 200  
Silverdale, WA 98383

Dear Mr. Williams,

On February 22nd, 2 samples were received by our laboratory and assigned our laboratory project number EV13020122. The project was identified as your ESC13-E002. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan  
Laboratory Director

Page 1

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626

ALS Laboratory Group A Campbell Brothers Limited Company

Environmental

[www.alsglobal.com](http://www.alsglobal.com)

RIGHT SOLUTIONS RIGHT PARTNER





ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT: Enviro Sound Consulting DATE: 2/25/2013  
 3388 Byron St, Suite 200 ALS JOB#: EV13020122  
 Silverdale, WA 98383 ALS SAMPLE#: -01  
 CLIENT CONTACT: Shawn Williams DATE RECEIVED: 2/22/2013  
 CLIENT PROJECT: ESC13-E002 COLLECTION DATE: 2/22/2013 9:00:00 AM  
 CLIENT SAMPLE ID: ESC-E002-N-SL01 WDOE ACCREDITATION: C601

DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	02/23/2013	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	02/23/2013	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
C25	NWTPH-DX	93.7	02/23/2013	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: Enviro Sound Consulting DATE: 2/25/2013  
3388 Byron St, Suite 200 ALS JOB#: EV13020122  
Silverdale, WA 98383  
CLIENT CONTACT: Shawn Williams ALS SAMPLE#: -02  
CLIENT PROJECT: ESC13-E002 DATE RECEIVED: 2/22/2013  
CLIENT SAMPLE ID: ESC-E002-B-SL02 COLLECTION DATE: 2/22/2013 9:15:00 AM  
WDOE ACCREDITATION: C601

DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	02/23/2013	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	02/23/2013	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
C25	NWTPH-DX	86.1	02/23/2013	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



Environmental

CERTIFICATE OF ANALYSIS

CLIENT: Enviro Sound Consulting  
3388 Byron St, Suite 200  
Silverdale, WA 98383

DATE: 2/25/2013  
ALS SDG#: EV13020122  
WDOE ACCREDITATION: C601

CLIENT CONTACT: Shawn Williams  
CLIENT PROJECT: ESC13-E002

LABORATORY BLANK RESULTS

MB-021513S - Batch 3476 - Soil by NWTPH-DX

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	ANALYSIS ANALYSIS		
					UNITS	DATE	BY
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	02/15/2013	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	02/15/2013	EBS



Environmental

CERTIFICATE OF ANALYSIS

CLIENT: Enviro Sound Consulting  
3388 Byron St, Suite 200  
Silverdale, WA 98383

DATE: 2/25/2013  
ALS SDG#: EV13020122  
WDOE ACCREDITATION: C601

CLIENT CONTACT: Shawn Williams  
CLIENT PROJECT: ESC13-E002

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 3476 - Soil by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range - BS	NWTPH-DX	98.4			02/15/2013	EBS
TPH-Diesel Range - BSD	NWTPH-DX	96.6	2		02/15/2013	EBS

APPROVED BY

Laboratory Director



April 1, 2013

Mr. Shawn Williams  
Enviro Sound Consulting  
3388 Byron St, Suite 200  
Silverdale, WA 98383

Dear Mr. Williams,

On March 29th, 5 samples were received by our laboratory and assigned our laboratory project number EV13030176. The project was identified as your ESC13-E002. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan  
Laboratory Director



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Enviro Sound Consulting 3388 Byron St, Suite 200 Silverdale, WA 98383	<b>DATE:</b>	4/1/2013
<b>CLIENT CONTACT:</b>	Shawn Williams	<b>ALS JOB#:</b>	EV13030176
<b>CLIENT PROJECT:</b>	ESC13-E002	<b>ALS SAMPLE#:</b>	-01
<b>CLIENT SAMPLE ID</b>	ESC-E002-B1-SL03	<b>DATE RECEIVED:</b>	3/29/2013
		<b>COLLECTION DATE:</b>	3/28/2013 9:30:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	04/01/2013	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	04/01/2013	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
C25	NWTPH-DX	86.3	04/01/2013	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



Environmental

CERTIFICATE OF ANALYSIS

CLIENT: Enviro Sound Consulting      DATE: 4/1/2013  
3388 Byron St, Suite 200      ALS JOB#: EV13030176  
Silverdale, WA 98383      ALS SAMPLE#: -02  
CLIENT CONTACT: Shawn Williams      DATE RECEIVED: 3/29/2013  
CLIENT PROJECT: ESC13-E002      COLLECTION DATE: 3/28/2013 10:15:00 AM  
CLIENT SAMPLE ID: ESC-E002-S14-SL4      WDOE ACCREDITATION: C601

DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	03/29/2013	DLC
Benzene	EPA-8021	U	0.030	1	MG/KG	03/29/2013	DLC
Toluene	EPA-8021	U	0.050	1	MG/KG	03/29/2013	DLC
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	03/29/2013	DLC
Xylenes	EPA-8021	U	0.20	1	MG/KG	03/29/2013	DLC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	74.8	03/29/2013	DLC
TFT	EPA-8021	75.3	03/29/2013	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Enviro Sound Consulting 3388 Byron St, Suite 200 Silverdale, WA 98383	<b>DATE:</b>	4/1/2013
<b>CLIENT CONTACT:</b>	Shawn Williams	<b>ALS JOB#:</b>	EV13030176
<b>CLIENT PROJECT:</b>	ESC13-E002	<b>ALS SAMPLE#:</b>	-03
<b>CLIENT SAMPLE ID</b>	ESC-E002-W-SL5	<b>DATE RECEIVED:</b>	3/29/2013
		<b>COLLECTION DATE:</b>	3/28/2013 10:30:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	03/29/2013	DLC
Benzene	EPA-8021	U	0.030	1	MG/KG	03/29/2013	DLC
Toluene	EPA-8021	U	0.050	1	MG/KG	03/29/2013	DLC
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	03/29/2013	DLC
Xylenes	EPA-8021	U	0.20	1	MG/KG	03/29/2013	DLC

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
TFT	NWTPH-GX	67.1	03/29/2013	DLC
TFT	EPA-8021	75.9	03/29/2013	DLC

U - Analyte analyzed for but not detected at level above reporting limit.





Environmental

CERTIFICATE OF ANALYSIS

CLIENT: Enviro Sound Consulting
3388 Byron St, Suite 200
Silverdale, WA 98383
DATE: 4/1/2013
ALS SDG#: EV13030176
WDOE ACCREDITATION: C601
CLIENT CONTACT: Shawn Williams
CLIENT PROJECT: ESC13-E002

LABORATORY BLANK RESULTS

MBG-032713S - Batch 3594 - Soil by NWTPH-GX

Table with 9 columns: ANALYTE, METHOD, RESULTS, REPORTING LIMITS, DILUTION FACTOR, UNITS, ANALYSIS DATE, ANALYSIS BY. Row 1: TPH-Volatile Range, NWTPH-GX, U, 3.0, 1, MG/KG, 03/27/2013, DLC

MB-032713S - Batch 3594 - Soil by EPA-8021

Table with 9 columns: ANALYTE, METHOD, RESULTS, REPORTING LIMITS, DILUTION FACTOR, UNITS, ANALYSIS DATE, ANALYSIS BY. Rows: Benzene, Toluene, Ethylbenzene, Xylenes

MB-032513S - Batch 3591 - Soil by NWTPH-DX

Table with 9 columns: ANALYTE, METHOD, RESULTS, REPORTING LIMITS, DILUTION FACTOR, UNITS, ANALYSIS DATE, ANALYSIS BY. Rows: TPH-Diesel Range, TPH-Oil Range



ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT: Enviro Sound Consulting
3388 Byron St, Suite 200
Silverdale, WA 98383
CLIENT CONTACT: Shawn Williams
CLIENT PROJECT: ESC13-E002

DATE: 4/1/2013
ALS SDG#: EV13030176
WDOE ACCREDITATION: C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 3594 - Soil by NWTPH-GX

Table with 7 columns: SPIKED COMPOUND, METHOD, %REC, RPD, QUAL, ANALYSIS DATE, ANALYSIS BY. Rows include TPH-Volatile Range - BS and TPH-Volatile Range - BSD.

ALS Test Batch ID: 3594 - Soil by EPA-8021

Table with 7 columns: SPIKED COMPOUND, METHOD, %REC, RPD, QUAL, ANALYSIS DATE, ANALYSIS BY. Rows include Benzene - BS, Benzene - BSD, Toluene - BS, Toluene - BSD, Ethylbenzene - BS, Ethylbenzene - BSD, Xylenes - BS, Xylenes - BSD.

ALS Test Batch ID: 3591 - Soil by NWTPH-DX

Table with 7 columns: SPIKED COMPOUND, METHOD, %REC, RPD, QUAL, ANALYSIS DATE, ANALYSIS BY. Rows include TPH-Diesel Range - BS and TPH-Diesel Range - BSD.

APPROVED BY

Handwritten signature of Paul Bayan

Laboratory Director



ALS Environmental  
 8620 Holly Drive, Suite 100  
 Everett, WA 98208  
 Phone (425) 356-2600  
 (425) 356-2626 Fax  
 http://www.alsglobal.com

# Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

EV13030176

Date 3-28-13 Page 1 Of 1

PROJECT ID: ESC13-E002  
 REPORT TO COMPANY: Enviro Sound Consulting  
 PROJECT MANAGER: Shawn Williams  
 ADDRESS: 3388 Byron Street Ste 200  
Silverdale WA. 98383  
 PHONE: 360.698.5750 FAX: 360-698-5929  
 RO. NUMBER: \_\_\_\_\_ E-MAIL: Shawn@EnviroSound.net  
 INVOICE TO COMPANY: Enviro Sound  
 ATTENTION: \_\_\_\_\_  
 ADDRESS: \_\_\_\_\_

### ANALYSIS REQUESTED

REPORT TO COMPANY	PROJECT MANAGER	ADDRESS	PHONE	FAX	E-MAIL	RO. NUMBER	INVOICE TO COMPANY	ATTENTION	ADDRESS	MTBE by EPA-8021	BTEX by EPA-8021	NWTPH-HID	NWTPH-DX	NWTPH-GX	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM	PCB Pesticides by EPA 8081/8082	Metals-MTCA-5 RCRA-8 PAH Pol TAL	Metals Other (Specify)	TCLP-Metals VOA Semi-Vol Pest Herbs	OTHER (Specify)	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?			
1.	ESC-E002-13-SL03	3-28-13	0930	Soil	1					X	X	X															2			
2.	ESC-E002-SM-SL4	3-28-13	1015	Soil	2					X	X																3			
3.	ESC-E002-SL5	3-28-13	1030	soil	3					X	X																3			
4.	ESC-E002-SL6	3-28-13	1045	Soil	4					X									Hold								2			
5.	ESC-E002-SL7	3-28-13	1100	soil	5					X	X								Hold								3			
6.																														
7.																														
8.																														
9.																														
10.																														

### SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):  
 1. Relinquished By: Shawn Williams Enviro Sound 3-29-13  
 Received By: Shawn Williams Kit-00 3-29-13  
 2. Relinquished By: Shawn Williams ALS 3-29-13 11:25  
 Received By: Shawn Williams ALS 3-29-13 11:25

TURNAROUND REQUESTED in Business Days\*  
 Organic, Metals & Inorganic Analysis  
 10 Standard  5 Standard  3 Standard  2 Same Day  
 Fuels & Hydrocarbon Analysis  
 5 Standard  3 Standard  1 Same Day  
 Specify: Rush  
 OTHER:

\* Turnaround request less than standard may incur Rush Charges



CCI Analytical Laboratories  
8620 Holly Drive  
Everett, WA 98208  
Phone (425) 356-2600  
(206) 292-9059 Seattle  
(425) 356-2626 Fax  
http://www.ccilabs.com

# Chain Of Custody/ Laboratory Analysis Request

CCI Job# (Laboratory Use Only)

EV13020122

Date 2-22-13 Page 1 Of 1

ANALYSIS REQUESTED				OTHER (Specify)												
PROJECT ID:	REPORT TO COMPANY:	PROJECT MANAGER:	ADDRESS:	MTBE by EPA-8021 <input type="checkbox"/> EPA-8260 <input type="checkbox"/>	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM <input type="checkbox"/>	PCB <input type="checkbox"/> Pesticides <input type="checkbox"/> by EPA 8081/8082	Metals-MTCA-5 <input type="checkbox"/> RCRA-8 <input type="checkbox"/> P1 Pol <input type="checkbox"/> TAL <input type="checkbox"/>	Metals Other (Specify)	TCLP-Metals <input type="checkbox"/> VOA <input type="checkbox"/> Semi-Vol <input type="checkbox"/> Pest <input type="checkbox"/> Herbs <input type="checkbox"/>	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. ESC-E002	N-S141	2-22-13	0900	Soil											2	
2. ESC-E002	B-S62	2-22-13	0915	Soil											2	
3.																
4.																
5.																
6.																
7.																
8.																
9.																
10.																

PROJECT ID: ESC-13-E002  
 REPORT TO COMPANY: Enviro Sound Consulting  
 PROJECT MANAGER: Shawn Williams  
 ADDRESS: 3388 Byron Street St 200  
Si Nevada WA- 98383  
 PHONE: 360-698-5950 FAX: 360-698-5929  
 E-MAIL: shawn@envirosound.net  
 INVOICE TO COMPANY: Enviro Sound  
 ATTENTION:  
 ADDRESS:

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	
1. ESC-E002	N-S141	2-22-13	0900	Soil	1
2. ESC-E002	B-S62	2-22-13	0915	Soil	2
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					

### SPECIAL INSTRUCTIONS

CCI Analytical Laboratories, Inc accepts and processes this request on the terms and conditions set forth on the reverse side. By its signature hereon, Customer accepts these terms and conditions.

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: Shawn Williams - ESC 2-22-13 10:45  
 Received By: W. Carole  
 2. Relinquished By: [Signature]  
 Received By: [Signature]

TURNAROUND REQUESTED in Business Days\*

Organic, Metals & Inorganic Analysis  
 Fuels & Hydrocarbon Analysis

Specify: Rush OTHER:

Standard: 10 5 3 2 1  
 Standard: 5 3 1

\* Turnaround request less than standard may incur Rush Charges

