Pinnacle GeoSciences

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March 11, 2005

Mr. Wayne Raplee
14115 70th Avenue Northwest
Stanwood, Washington 98292

UST Decommissioning Observation
and Site Check/ Site Assessment
Gasoline and Waste Oil USTs
Raplee Property
9816 271st Street Northwest
Stanwood, Washington
0249-001

1.0 INTRODUCTION AND SCOPE OF SERVICES

This letter summarizes our observations during the decommissioning of three USTs (underground storage tanks) at the Raplee property located at 9816 271st Street Northwest in Stanwood, Washington; and our Site Check/Site Assessment performed on these three USTs. The site location and vicinity are shown in Figure 1. The site is currently a vacant commercial property. Historical businesses at the site include a fuel service station, an automotive repair shop, and a retail plant nursery. All of the USTs were used for gasoline storage, and one or more of the USTs were subsequently used for waste oil storage. The three USTs that were decommissioned were two 500-gallon steel USTs and a 1,000-gallon steel UST, as shown in Figure 2.

The USTs were decommissioned by removal. After the USTs were removed, soil samples were obtained in accordance with Ecology's (Washington Department of Ecology) *Guidance for Site Checks and Site Assessments for Underground Storage Tanks*. Contaminant concentrations in soil were compared to the current MTCA Method A Soil Cleanup Levels for evaluation of regulatory compliance.

Glacier Environmental Services, Inc.'s scope of services was to decommission the USTs in accordance with applicable regulations, including the following items:

- Empty, uncover and remove the USTs,
- Clean and rinse the USTs, and remove them for scrap,
- Remove the product and vent piping,
- Assist Pinnacle GeoSciences to obtain soil samples, and
- Backfill the excavations.

Pinnacle GeoSciences, Inc.'s scope of services, subcontracted to Glacier Environmental Services, was to:

- Obtain nine soil samples from the USTs excavation, one from beneath the product lines and one from beneath the service island to assess for the presence of contamination,
- Obtain three soil samples from the stockpile of soil excavated to remove the USTs,
- Submit the soil samples for laboratory testing of contaminants as specified in MTCA (Model Toxics Control Act) Table 830-1 (Required Testing for Petroleum Releases),
- Compare the contaminant concentrations detected by the testing described above with the MTCA Method A Soil Cleanup Levels for Unrestricted Land Uses (Table 740-1) to evaluate compliance with MTCA,
- Prepare this report to document the Site Check/Site Assessment, and
- Complete and submit Ecology's *Underground Storage Tank Site Check/Site Assessment Checklist.*

The Site Check/Site Assessment described in this report was performed strictly to assess potential petroleum releases from the two 500-gallon and one 1,000-gallon USTs, and associated product piping shown in Figure 2. No other potential sources of soil or ground water contamination at the site were evaluated during this study.

2.0 UST DECOMMISSIONING

Glacier Environmental Services performed UST removal activities. Pinnacle GeoSciences personnel were on site to monitor the UST removal activities and perform a Site Check/Site Assessment in the interest of the site owner, Mr. Raplee. An employee of SAIC (Science Applications International Corporation) was on site to monitor the UST removal in the interest of Chevron.

Glacier Environmental Services uncovered, cleaned and rinsed, and removed the three USTs on December 27, 2004. The UST locations are shown in Figure 2. Glacier Environmental transported the USTs to Seattle Iron and Metals for scrapping. Pinnacle GeoSciences observed the cleaning, rinsing and removal of the USTs. Product lines, vent lines and one service island were also removed.

Glacier Environmental assisted Pinnacle GeoSciences to obtain soil samples from the limits of the USTs excavations on December 27, 2004 as described in Section 3.0 below. The soil samples were submitted to CCI Analytical Laboratories, Inc. for chemical testing as described in Section 3.0.

3.0 SITE CHECK/SITE ASSESSMENT

Pinnacle GeoSciences observed the USTs on December 27, 2004 as they were being removed. The westernmost UST (500 gallons) was in poor condition, with numerous holes up to ¼ inch in diameter. The center UST (500 gallons) and the Eastern UST (1,000 gallons) are in good condition with minor corrosion. The product lines were observed to be in moderate condition with moderate rust and corrosion.

Three product lines and two vent lines were observed during UST removal. One product line ran from the service island to the easternmost UST. The remaining two product lines and the vent lines did not connect to the remaining two USTs, but passed over them and continued southward toward the property line. We did not observe where these lines terminated.

The USTs excavation extended to a depth of about 8 feet bgs (below ground surface). Soil surrounding the USTs consisted of a mixture of sand and silt. Outside of the UST excavation backfill we encountered native soft silt. We did not observe the base of the silt.

We initially observed moderate ground water seepage at a depth of about 4 feet bgs in the UST excavation. The collected ground water was dug out with the soil which was excavated to remove the USTs, and recharged slowly.

We obtained nine soil samples (G-1-7.5 through G-9-4.5) from the base and walls of the USTs excavation, one soil sample from beneath the product lines (PL-1-1.0), and one soil sample from beneath one of the two product dispenser locations (SI-1-1.5). The final portion of each sample name indicates the depth in feet at which the sample was obtained. We could not obtain a sample from beneath the second product dispenser location because a large piece of concrete prevented access. In addition, we obtained three soil samples from the USTs excavation stockpile (SP-1, SP-2 and SP-3). Samples from the USTs excavation and stockpile were obtained using EPA Method 5035 volatiles sampling methodology and disposable single-use sampling equipment. All non-disposable sampling equipment was decontaminated before each sample with a Liquinox-solution wash and a distilled water rinse. The sample locations are shown in Figure 2.

Each of the soil samples was field screened using both headspace and sheen screening methodology. The headspace screening method used a RAE Instruments MiniRAE photoionization detector. The combination of these field screening methods is often successful at identifying the presence of both volatile and non-volatile petroleum contamination in soil, but the results are strictly qualitative. The results of field screening indicated the presence of volatile petroleum contamination in the soil surrounding the western and central USTs. A greenish oily liquid was observed in the soil immediately surrounding the eastern UST. Field screening indicated the presence of both volatile and non-volatile petroleum contamination in the soil surrounding the eastern UST.

Each of the soil samples from the USTs excavation, the product lines and product dispenser, and stockpile was field screened using both headspace testing and sheen testing. The results of field screening indicated that volatile petroleum contamination remained in the soil

samples obtained from all four walls of the completed excavation. Apparently lower levels of volatile petroleum contamination remained in the base samples. Field screening indicated that non-volatile petroleum contamination remained in the soil samples obtained from the eastern excavation base, and portions of the north wall and south wall. Volatile petroleum contamination appeared to be present in the samples obtained from beneath the product lines and the product dispenser. Both volatile and non-volatile petroleum contamination appeared to be present in the soil samples obtained from the stockpile.

4.0 CHEMICAL TESTING

All of the soil samples were tested for gasoline-range organics, BTEX (benzene, toluene, ethylbenzene and xylenes), MTBE (methyl-tert butyl ether), diesel-range organics and heavy oils, with the exception of sample PL-1-1.0 and SI-1-1.5 which were only tested for gasoline-range organics, BTEX and MTBE. In addition, samples G-1-7.5, G-2-8.0, G-3-8.0, SP-1, SP-2 and SP-3 were tested for total lead, and samples G-3-8.0, G-4-4.5, SP-1 and SP-3 were tested for HVOCs (halogenated volatile organic compounds). Silica gel cleanups were performed with the diesel-range organics and heavy oils tests to reduce organic interference by natural compounds. The testing methods are selected based on MTCA Table 830-1 "Required Testing for Petroleum Releases." The naming conventions for these compounds are taken from MTCA Table 740-1 "Method A Soil Cleanup Levels."

Benzene was detected in all samples at concentrations exceeding the MTCA Method A Soil Cleanup Levels with the exception of sample SI-1-1.5, obtained beneath the product dispenser. Benzene was not detected in sample SI-1-1.5, but the laboratory LRL (lower reporting limit) exceeded the MTCA Method A Soil Cleanup Level for benzene because of organic interference caused by other organic compounds. Ethylbenzene and/or xylenes were detected at concentrations exceeding the MTCA Method A Soil Cleanup Level in samples G-4-4.5, G-6-4.5, G-7-4.5, G-8-4.5, G-9-4.5, PL-1-1.2, SP-2 and SP-3. Gasoline-range organics were detected at concentrations exceeding the MTCA Method A Soil Cleanup Level, of 30 mg/Kg where benzene is present, in all samples with the exception of G-1-7.5 and G-2-8.0.

Heavy oils were detected at concentrations exceeding the MTCA Method A Soil Cleanup Levels in samples G-4-4.5, G-7-4.5, G-8-4.9, G-9-4.5, SP-1, SP-2 and SP-3. Diesel-range hydrocarbons were detected in sample SP-3.

The laboratory stated, based on a review of the chromatograms, that the contaminants appeared to contain the following products:

- G-1-7.5: Highly weathered gasoline and lube oil,
- G-2-8.0, G-3-8.0: Highly weathered gasoline,

- G-4-4.5, G-5-4.5, G-6-4.5, G-7-4.5, G-8-4.5, G-9-4.5, SP-1, SP-2 and SP-3: Highly weathered gasoline, light oil and lube oil; diesel-range result due to overlap from lube oil,
- PL-1-1.0, SI-1-1.5: Highly weathered gasoline.

MTBE was not detected in any of the samples.

Total lead was detected at a concentration exceeding the MTCA Method A Soil Cleanup Level in sample SP-3.

Chlorinated solvents were not detected in any of the samples tested, with the exception of chlorobenzene. Chlorobenzene was detected in samples G-3-8.0, G-4-4.5, SP-1 and SP-3 at concentrations of 740; 1,900; 540 and 8,000 µg/Kg, respectively.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The two 500-gallon USTs and one 1,000-gallon UST, along with a service island and associated piping at the Raplee property at 9816 271st Street Northwest in Stanwood, Washington have been decommissioned and removed in accordance with Washington State regulations. A Site Check/Site Assessment was performed by Pinnacle GeoSciences in accordance with Ecology's *Guidance for Site Checks and Site Assessments for Underground Storage Tanks*, and MTCA.

Based on the results of the work described in this report, gasoline- and heavy oil-related contamination was present in the soil around the USTs. Gasoline-related soil contamination was detected beneath the product lines and service island. Gasoline-related soil contamination remained in all four of the walls and the base of the completed excavation at concentrations exceeding the MTCA Method A Soil Cleanup Levels. Heavy oil-related soil contamination remained in the south and east walls, and the eastern portion of the north wall of the completed excavation at concentrations exceeding the MTCA Method A Soil Cleanup Levels.

Chlorobenzene was detected in the two excavation samples and two stockpile samples tested for HVOCs. No other HVOCs were detected. The selection of samples to be tested for HVOCs was based on field screening results and proximity to the eastern UST where waste oil was visibly present in the soil. The source of the chlorobenzene present in these soil samples is not known. Chlorobenzene does not have a MTCA Method A Soil Cleanup Level. A Method B Cleanup Level was not calculated as part of this study.

The gasoline-related soil contamination present in the walls and base of the completed UST excavation, and beneath the product lines and service island, is characterized by the laboratory as "aged." This distinction is made based on the laboratory's interpretation of the chromatograms provided by the testing of the samples. "Aging" is a chronological process which can be significantly accelerated or decelerated by soil and ground water conditions and the manner

that the product was released. The actual time of the release cannot be readily ascertained from the chromatograms, but they appear to show that the product is not fresh. The presence of lead at high concentrations in the gasoline-contaminated soil suggests that the release was not recent.

The presence of aged gasoline beneath the product lines and service island suggests that the gasoline releases in these locations were associated with fueling activities. The similarity of the chromatograms of the samples obtained from the USTs excavation to those obtained from beneath the product lines and service island suggests that the gasoline contamination in the USTs excavation is also associated with fueling, rather than the storage of gasoline as a waste product at a later date.

We recommend that further soil assessment be performed to evaluate the limits of the soil contamination at the site. We also recommend that ground water monitoring wells be installed at the site to evaluate ground water physical conditions and contaminant conditions.

We recommend that the property owner provide a copy of this report to Ecology's Northwest Regional Office as required by applicable regulations.

6.0 LIMITATIONS

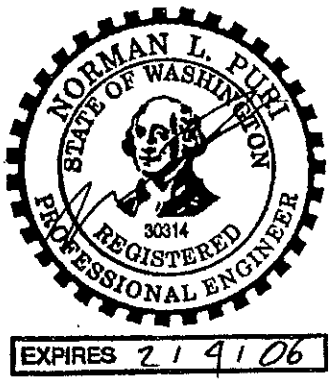
Pinnacle GeoSciences, Inc. prepared this report for use by Mr. Wayne Raplee. This report may be made available to regulatory agencies and to other parties authorized by Mr. Raplee. The report is not intended for use by others and the information contained herein is not applicable to other sites.

Our interpretations of site conditions are based on our field observations and on the testing results as described in the report. We assessed only the three USTs, service island and product lines described in this report, and did not assess any other potential sources of contamination at the site. Our assessment was based on field screening and laboratory testing of discrete soil samples. It is always possible that soil or ground water contamination could remain in areas of the site which were not explored. Within the limitations of scope, schedule and budget, our services have been executed in accordance with generally accepted environmental science practices for environmental services of this type in Washington at the time this report was prepared. No warranty or other conditions, express or implied, should be understood.

7.0 CLOSING

Pinnacle GeoSciences appreciates the opportunity to provide these services to Mr. Wayne Raplee. Please call if you have questions concerning this report.

Sincerely,
Pinnacle GeoSciences, Inc.

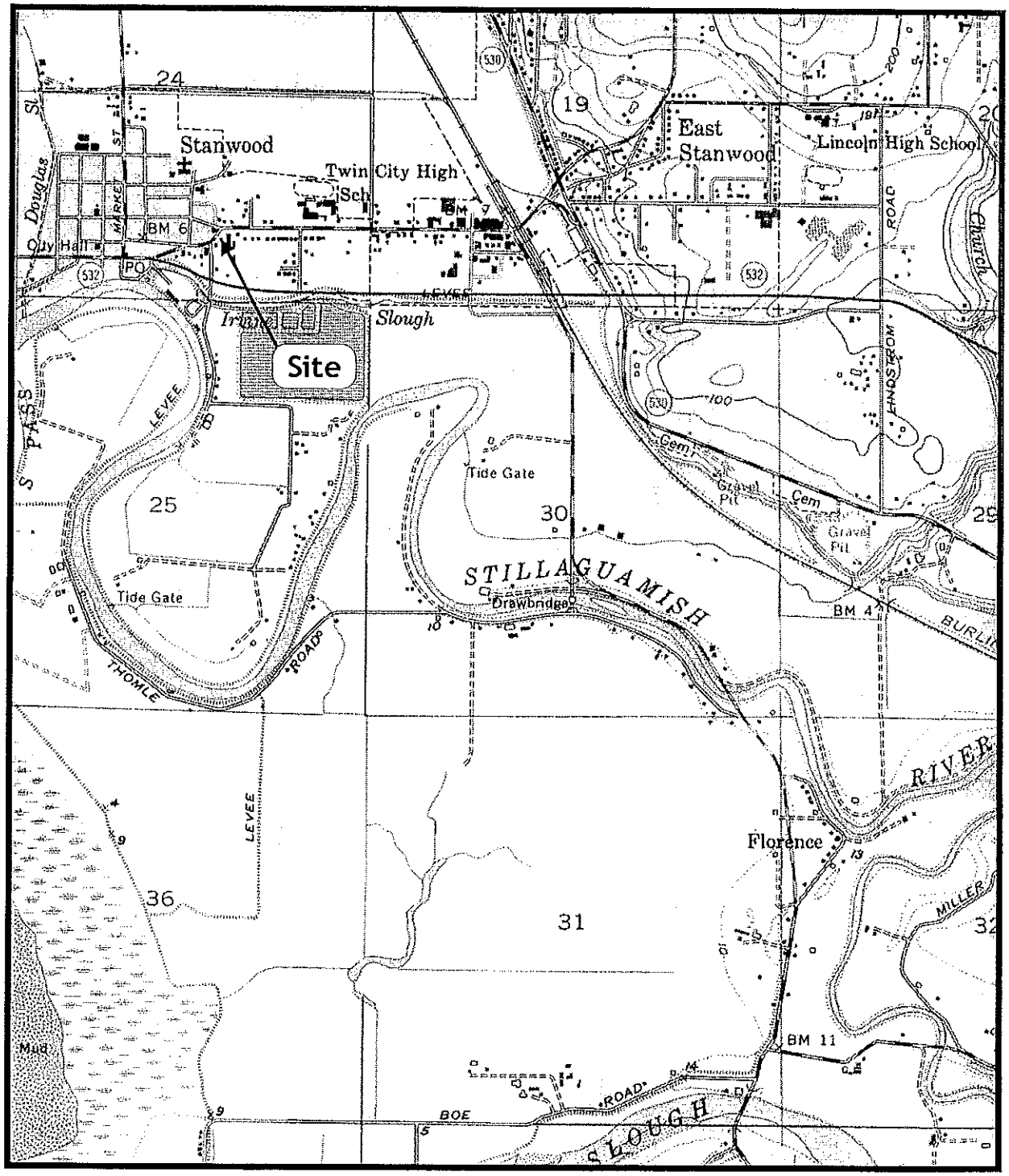


Norman L. Puri, P.E.
Senior Engineer

NLP

Attachments

3 copies submitted



0 0.5 1.0 mile

Scale 1:24,000

Source: USGS Topographic Quadrangle Map, 1:24,000
Stanwood, Washington, 1956,
photorevised 1968 and 1973,
and photoinspected 1978.

Figure 1
Vicinity Map
Former Service Station
9816 271st Street Northwest
Stanwood, Washington

Pinnacle GeoSciences

TABLE 1 (page 1 of 2)

SUMMARY OF SOIL SAMPLE DATA AND FIELD SCREENING RESULTS [1]

UST REMOVAL SOIL ASSESSMENT

FORMER SERVICE STATION

STANWOOD, WASHINGTON

Sample Number [2]	Date	Sample Depth (feet)	Location	Field Screening [3]		Chemical Testing Performed						
				Headspace	Sheen	BTEX	GRO	DRO	HO	MTBE	HVOCs	Lead
UST EXCAVATION												
G-1-7.5	27-Dec-04	7.5	Base, western UST (500 gal)	12.4	NS	X	X	X	X	X		X
G-2-8.0	27-Dec-04	8.0	Base, center UST (500 gal)	6.4	NS	X	X	X	X	X		X
G-3-8.0	27-Dec-04	8.0	Base, eastern UST (1,000 gal)	11.2	MS	X	X	X	X	X	X	X
G-4-4.5	27-Dec-04	4.5	North wall, eastern UST	269	HS	X	X	X	X	X	X	
G-5-4.5	27-Dec-04	4.5	North wall, center and western USTs	196	SS	X	X	X	X	X		
G-6-4.5	27-Dec-04	4.5	West wall	193	SS	X	X	X	X	X		
G-7-4.5	27-Dec-04	4.5	South wall, center and western USTs	389	HS	X	X	X	X	X		
G-8-4.5	27-Dec-04	4.5	East wall	316	SS	X	X	X	X	X		
G-9-4.5	27-Dec-04	4.5	South wall, eastern UST	573	SS	X	X	X	X	X		
PRODUCT LINES AND SERVICE ISLAND												
PL-1-1.0	27-Dec-04	1.0	Beneath product lines	50.6	SS	X	X			X		
SI-1-1.5	27-Dec-04	1.5	Beneath western dispenser	123	SS	X	X			X		
STOCKPILE												
SP-1	27-Dec-04	--	UST excavation stockpile	211	MS	X	X	X	X	X	X	X
SP-2	27-Dec-04	--	UST excavation stockpile	256	MS	X	X	X	X	X		X
SP-3	27-Dec-04	--	UST excavation stockpile	287	HS	X	X	X	X	X	X	X

TABLE 1 (page 2 of 2)

SUMMARY OF SOIL SAMPLE DATA AND FIELD SCREENING RESULTS [1]

UST REMOVAL SOIL ASSESSMENT

FORMER SERVICE STATION

STANWOOD, WASHINGTON

Notes:

[1] Samples analyzed by CCI Analytical, Inc. of Everett, Washington.

[2] Boring and soil sample locations are shown on Figure 2. The number following the second hyphen is the depth, in feet and tenths of feet, that the sample was obtained from.

[3] Field screening methods are described in Appendix A. NS = no sheen, SS = slight sheen, MS = moderate sheen, HS = heavy sheen.

[4] Chemical analytical results are summarized in Table 2. BTEX = benzene, toluene, ethylbenzene, and xylenes; GRO = gasoline-range organics; DRO = diesel-range organics; HO = heavy oils; EDB = ethylene dibromide; EDC = 1,2 dichloroethane; MTBE = methyl tertiary-butyl ether; lead = total lead; HVOCs = halogenated volatile orginic compounds. Compound and product names are taken from MTCA Table 740-1, Method A Soil Cleanup Levels for Unrestricted Land Uses. Laboratory testing methods are presented in Table 2.

TABLE 2 (page 2 of 2)
SUMMARY OF SOIL SAMPLE ANALYTICAL DATA [1]
UST REMOVAL SOIL ASSESSMENT
FORMER SERVICE STATION
STANWOOD, WASHINGTON

Notes:

[1] Samples analyzed by North Creek Analytical, Inc. of Bothell, Washington.

[2] Soil sample locations are shown on Figure 2. The number following the second hyphen is the depth, in feet and tenths of feet, that the sample was obtained from.

[3] By EPA Method 8021B.

[4] By Ecology Method NWTPH-G.

[5] By Ecology Method NWTPH-Dx.

[6] By EPA Method 8260B.

[7] Total lead by EPA Method 6010.

[8] Samples were also tested for halogenated volatile organic compounds. HVOCs were not detected, with the exception of chlorobenzene. Chlorobenzene was detected in sample G-3-8.0 at a concentration of 740 µg/Kg, in sample G-4-4.5 at a concentration of 1,900 µg/Kg, in sample SP-1 at a concentration of 540 µg/Kg, and in sample SP-3 at a concentration of 8,000 µg/Kg.

[9] MTCA Method A Soil Cleanup Level for Unrestricted Land Uses.

[10] The MTCA Method A Soil Cleanup Level for GRO is 100 mg/Kg for mixtures without benzene and where the total of ethylbenzene, toluene and xylenes is less than 1% of the mixture, and 30 mg/Kg for all other mixtures.

mg/Kg = milligrams per kilogram

"–" = not tested

DQ = data qualifier

U = not detected at or above the specified concentration

J = estimated concentration outside instrument calibration range

Stippled concentrations exceed the MTCA Method A soil cleanup levels.

TABLE 2 (page 1 of 2)
SUMMARY OF SOIL SAMPLE ANALYTICAL DATA [1]
UST REMOVAL SOIL ASSESSMENT
FORMER SERVICE STATION
STANWOOD, WASHINGTON

Sample Number [2]	Benzene [3] (mg/Kg) DQ	Toluene [3] (mg/Kg) DQ	Ethylbenzene [3] (mg/Kg) DQ	Xylenes [3] (mg/Kg) DQ	GRO [4] (mg/Kg) DQ	DRO [5] (mg/Kg) DQ	HO [5] (mg/Kg) DQ	MTBE [3] (mg/Kg) DQ	Lead [7] (mg/Kg) DQ
UST EXCAVATION									
G-1-7.5	0.4	0.05 U	0.2	0.6	21	46	120	0.1 U	35
G-2-8.0	0.9	0.05 U	0.5	1.2	23	25 U	50 U	0.1 U	12
G-3-8.0 [8]	1.5	0.1	1.6	7.1	55	25 U	50 U	0.1 U	6.4
G-4-4.5 [8]	3.7	0.4	8.3	43	370	870	3,500	0.5 U	--
G-5-4.5	2.7	0.2 U	1.5	7.7	250	130	850	0.4 U	--
G-6-4.5	2.4	0.1 U	1.3	9.9	200	350	1,500	0.2 U	--
G-7-4.5	4.3	0.3	7.0	18	240	440	2,200	0.4 U	--
G-8-4.5	11	0.8	17	91	770	640	2,500	1.0 U	--
G-9-4.5	15	1.8	28	130	1,100	900	3,300	1.0 U	--
PRODUCT LINES AND SERVICE ISLAND									
PL-1-1.0	2.4	1.0 U	4.2	23	910	--	--	2.0 U	--
SI-1-1.5	0.2 U	0.4	1.0	2.1	300	--	--	0.5 U	--
STOCKPILE									
SP-1 [8]	0.4	0.1 U	0.4	5.1	120	400	2,200	0.2 U	38
SP-2	0.9	0.3	2.0	18	400	1,400	6,500	0.5 U	220
SP-3 [8]	7.1	1.5	16	77	1,900	3,300	12,000	2.0 U	1,600
MTCA Method A Soil Cleanup Level [9]	0.03	7.0	6.0	9.0	30/100 [10]	2,000	2,000	0.1	250

ATTACHMENT A – LABORATORY REPORTS

CCI
ANALYTICAL
LABORATORIES, INC.

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES
13620 NE 20TH ST. , SUITE J
BELLEVUE, WA 98005-4901

DATE: 1/11/05
CCIL JOB #: 412167
CCIL SAMPLE #: 1
DATE RECEIVED: 12/28/04
WDOE ACCREDITATION #: C142

CLIENT CONTACT: NORM PURI

CLIENT PROJECT ID: RAPLEE STANWOOD
CLIENT SAMPLE ID: SP-1 12/27/04 1040

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-VOLATILE RANGE	NWTPH-GX	120	MG/KG	1/4/2005	LAP
MTBE***	EPA-8021	ND(<0.2)	MG/KG	1/4/2005	LAP
BENZENE	EPA-8021	0.4	MG/KG	1/4/2005	LAP
TOLUENE	EPA-8021	ND(<0.1)	MG/KG	1/4/2005	LAP
ETHYLBENZENE	EPA-8021	0.4	MG/KG	1/4/2005	LAP
XYLENES	EPA-8021	5.1	MG/KG	1/4/2005	LAP
TPH-DIESEL RANGE	NWTPH-DX W/CLEANUP	400	MG/KG	12/28/2004	DLC
TPH-LUBE OIL RANGE	NWTPH-DX W/CLEANUP	2200	MG/KG	12/28/2004	DLC
LEAD	EPA-6010	38	MG/KG	12/29/2004	RAB
DICHLORODIFLUOROMETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
CHLOROMETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
VINYL CHLORIDE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
BROMOMETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
CHLOROETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
TRICHLOROFLUOROMETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,1-DICHLOROETHENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
METHYLENE CHLORIDE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
TRANS-1,2-DICHLOROETHENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,1-DICHLOROETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
CIS-1,2-DICHLOROETHENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
2,2-DICHLOROPROPANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
BROMOCHLOROMETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
CHLOROFORM	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,1,1-TRICHLOROETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,1-DICHLOROPROPENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
CARBON TETRACHLORIDE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,2-DICHLOROETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
TRICHLOROETHENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,2-DICHLOROPROPANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
DIBROMOMETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
BROMODICHLOROMETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
TRANS-1,3-DICHLOROPROPENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
CIS-1,3-DICHLOROPROPENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,1,2-TRICHLOROETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,3-DICHLOROPROPANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
TETRACHLOROETHYLENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN

8620 Holly Drive • Everett, WA 98208 • 425 356-2600 • FAX 425 356-2626 • Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES, INC.

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES
13620 NE 20TH ST., SUITE J
BELLEVUE, WA 98005-4901

DATE: 1/11/05
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WDOE ACCREDITATION #: C142

CLIENT CONTACT: NORM PURI

CLIENT PROJECT ID: RAPLEE STANWOOD
CLIENT SAMPLE ID: SP-1 12/27/04 1040

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
DIBROMOCHLOROMETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,2-DIBROMOETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
CHLOROBENZENE	EPA-8260	540	UG/KG	1/10/2005	CCN
BROMOFORM	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,1,2,2-TETRACHLOROETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,2,3-TRICHLOROPROPANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
BROMOBENZENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
2-CHLOROTOLUENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
4-CHLOROTOLUENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,3 DICHLOROBENZENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,4-DICHLOROBENZENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,2-DICHLOROBENZENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,2-DIBROMO 3-CHLOROPROPANE	EPA-8260	ND(<500)	UG/KG	1/10/2005	CCN
1,2,4-TRICHLOROBENZENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
HEXACHLOROBUTADIENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,2,3-TRICHLOROBENZENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN

NOTES: CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCTS WHICH ARE LIKELY HIGHLY WEATHERED GASOLINE, LIGHT OIL AND LUBE OIL
DIESEL RANGE RESULT DUE TO OVERLAP FROM VOLATILE AND LUBE OIL RANGE PRODUCT
HVOC'S REPORTING LIMITS RAISED DUE TO HIGH CONCENTRATIONS OF NON ANALYTE COMPOUNDS

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:
GASOLINE(VOLATILE RANGE) REPORTING LIMIT IS 6 MG/KG
DIESEL RANGE REPORTING LIMIT IS 25 MG/KG
LUBE OIL RANGE REPORTING LIMIT IS 50 MG/KG

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

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

APPROVED BY: C Rd

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CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES
13620 NE 20TH ST. , SUITE J
BELLEVUE, WA 98005-4901

DATE: 1/5/05
CCIL JOB #: 412167
CCIL SAMPLE #: 2
DATE RECEIVED: 12/28/04
WDOE ACCREDITATION #: C142

CLIENT CONTACT: NORM PURI

CLIENT PROJECT ID: RAPLEE STANWOOD
CLIENT SAMPLE ID: SP-2 12/27/04 1235

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-VOLATILE RANGE	NWTPH-GX	400	MG/KG	1/4/2005	LAP
MTBE***	EPA-8021	ND(<0.5)	MG/KG	1/4/2005	LAP
BENZENE	EPA-8021	0.9	MG/KG	1/4/2005	LAP
TOLUENE	EPA-8021	0.3	MG/KG	1/4/2005	LAP
ETHYLBENZENE	EPA-8021	2.0	MG/KG	1/4/2005	LAP
XYLENES	EPA-8021	18	MG/KG	1/4/2005	LAP
TPH-DIESEL RANGE	NWTPH-DX	1400	MG/KG	12/29/2004	DLC
TPH-LUBE OIL RANGE	NWTPH-DX	6500	MG/KG	12/29/2004	DLC
LEAD	EPA-6010	220	MG/KG	12/29/2004	RAB

NOTES: CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCTS WHICH ARE LIKELY HIGHLY WEATHERED GASOLINE, LIGHT OIL AND LUBE OIL
DIESEL RANGE RESULT DUE TO OVERLAP FROM VOLATILE AND LUBE OIL RANGE PRODUCT

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:
GASOLINE(VOLATILE RANGE) REPORTING LIMIT IS 15 MG/KG
DIESEL RANGE REPORTING LIMIT IS 130 MG/KG
LUBE OIL RANGE REPORTING LIMIT IS 250 MG/KG

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

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

APPROVED BY: C Rf

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CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES
13620 NE 20TH ST. , SUITE J
BELLEVUE, WA 98005-4901

DATE: 1/11/05
CCIL JOB #: 412167
CCIL SAMPLE #: 3
DATE RECEIVED: 12/28/04
WDOE ACCREDITATION #: C142

CLIENT CONTACT: NORM PURI

CLIENT PROJECT ID: RAPLEE STANWOOD
CLIENT SAMPLE ID: SP-3 12/27/04 1300

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-VOLATILE RANGE	NWTPH-GX	1900	MG/KG	1/3/2005	LAP
MTBE***	EPA-8021	ND(<2.0)	MG/KG	1/3/2005	LAP
BENZENE	EPA-8021	7.1	MG/KG	1/3/2005	LAP
TOLUENE	EPA-8021	1.5	MG/KG	1/3/2005	LAP
ETHYLBENZENE	EPA-8021	16	MG/KG	1/3/2005	LAP
XYLENES	EPA-8021	77	MG/KG	1/3/2005	LAP
TPH-DIESEL RANGE	NWTPH-DX	3300	MG/KG	12/29/2004	DLC
TPH-LUBE OIL RANGE	NWTPH-DX	12000	MG/KG	12/29/2004	DLC
LEAD	EPA-6010	1600	MG/KG	12/29/2004	RAB
DICHLORODIFLUOROMETHANE	EPA-8260	ND(<1200)	UG/KG	1/10/2005	CCN
CHLOROMETHANE	EPA-8260	ND(<1200)	UG/KG	1/10/2005	CCN
VINYL CHLORIDE	EPA-8260	ND(<1200)	UG/KG	1/10/2005	CCN
BROMOMETHANE	EPA-8260	ND(<1200)	UG/KG	1/10/2005	CCN
CHLOROETHANE	EPA-8260	ND(<1200)	UG/KG	1/10/2005	CCN
TRICHLOROFLUOROMETHANE	EPA-8260	ND(<1200)	UG/KG	1/10/2005	CCN
1,1-DICHLOROETHENE	EPA-8260	ND(<1200)	UG/KG	1/10/2005	CCN
METHYLENE CHLORIDE	EPA-8260	ND(<1200)	UG/KG	1/10/2005	CCN
TRANS-1,2-DICHLOROETHENE	EPA-8260	ND(<1200)	UG/KG	1/10/2005	CCN
1,1-DICHLOROETHANE	EPA-8260	ND(<1200)	UG/KG	1/10/2005	CCN
CIS-1,2-DICHLOROETHENE	EPA-8260	ND(<1200)	UG/KG	1/10/2005	CCN
2,2-DICHLOROPROPANE	EPA-8260	ND(<1200)	UG/KG	1/10/2005	CCN
BROMOCHLOROMETHANE	EPA-8260	ND(<1200)	UG/KG	1/10/2005	CCN
CHLOROFORM	EPA-8260	ND(<1200)	UG/KG	1/10/2005	CCN
1,1,1-TRICHLOROETHANE	EPA-8260	ND(<1200)	UG/KG	1/10/2005	CCN
1,1-DICHLOROPROPENE	EPA-8260	ND(<1200)	UG/KG	1/10/2005	CCN
CARBON TETRACHLORIDE	EPA-8260	ND(<1200)	UG/KG	1/10/2005	CCN
1,2-DICHLOROETHANE	EPA-8260	ND(<1200)	UG/KG	1/10/2005	CCN
TRICHLOROETHENE	EPA-8260	ND(<1200)	UG/KG	1/10/2005	CCN
1,2-DICHLOROPROPANE	EPA-8260	ND(<1200)	UG/KG	1/10/2005	CCN
DIBROMOMETHANE	EPA-8260	ND(<1200)	UG/KG	1/10/2005	CCN
BROMODICHLOROMETHANE	EPA-8260	ND(<1200)	UG/KG	1/10/2005	CCN
TRANS-1,3-DICHLOROPROPENE	EPA-8260	ND(<1200)	UG/KG	1/10/2005	CCN
CIS-1,3-DICHLOROPROPENE	EPA-8260	ND(<1200)	UG/KG	1/10/2005	CCN
1,1,2-TRICHLOROETHANE	EPA-8260	ND(<1200)	UG/KG	1/10/2005	CCN
1,3-DICHLOROPROPANE	EPA-8260	ND(<1200)	UG/KG	1/10/2005	CCN
TETRACHLOROETHYLENE	EPA-8260	ND(<1200)	UG/KG	1/10/2005	CCN

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CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES
13620 NE 20TH ST. , SUITE J
BELLEVUE, WA 98005-4901

DATE: 1/11/05
CCIL JOB #: 412167
CCIL SAMPLE #: 3
DATE RECEIVED: 12/28/04
WDOE ACCREDITATION #: C142

CLIENT CONTACT: NORM PURI

CLIENT PROJECT ID: RAPLEE STANWOOD
CLIENT SAMPLE ID: SP-3 12/27/04 1300

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
DIBROMOCHLOROMETHANE	EPA-8260	ND(<1200)	UG/KG	1/10/2005	CCN
1,2-DIBROMOETHANE	EPA-8260	ND(<1200)	UG/KG	1/10/2005	CCN
CHLOROBENZENE	EPA-8260	8000	UG/KG	1/10/2005	CCN
BROMOFORM	EPA-8260	ND(<1200)	UG/KG	1/10/2005	CCN
1,1,2,2-TETRACHLOROETHANE	EPA-8260	ND(<1200)	UG/KG	1/10/2005	CCN
1,2,3-TRICHLOROPROPANE	EPA-8260	ND(<1200)	UG/KG	1/10/2005	CCN
BROMOBENZENE	EPA-8260	ND(<1200)	UG/KG	1/10/2005	CCN
2-CHLOROTOLUENE	EPA-8260	ND(<1200)	UG/KG	1/10/2005	CCN
4-CHLOROTOLUENE	EPA-8260	ND(<1200)	UG/KG	1/10/2005	CCN
1,3 DICHLOROBENZENE	EPA-8260	ND(<1200)	UG/KG	1/10/2005	CCN
1,4-DICHLOROBENZENE	EPA-8260	ND(<1200)	UG/KG	1/10/2005	CCN
1,2-DICHLOROBENZENE	EPA-8260	ND(<1200)	UG/KG	1/10/2005	CCN
1,2-DIBROMO 3-CHLOROPROPANE	EPA-8260	ND(<6000)	UG/KG	1/10/2005	CCN
1,2,4-TRICHLOROBENZENE	EPA-8260	ND(<1200)	UG/KG	1/10/2005	CCN
HEXACHLOROBUTADIENE	EPA-8260	ND(<1200)	UG/KG	1/10/2005	CCN
1,2,3-TRICHLOROBENZENE	EPA-8260	ND(<1200)	UG/KG	1/10/2005	CCN

NOTES: CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCTS WHICH ARE LIKELY HIGHLY WEATHERED GASOLINE, LIGHT OIL AND LUBE OIL
DIESEL RANGE RESULT DUE TO OVERLAP FROM VOLATILE AND LUBE OIL RANGE PRODUCT
HVOC'S REPORTING LIMITS RAISED DUE TO HIGH CONCENTRATIONS OF NON ANALYTE COMPOUNDS

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:
GASOLINE(VOLATILE RANGE) REPORTING LIMIT IS 60 MG/KG
DIESEL RANGE REPORTING LIMIT IS 250 MG/KG
LUBE OIL RANGE REPORTING LIMIT IS 500 MG/KG

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

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CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES
13620 NE 20TH ST. , SUITE J
BELLEVUE, WA 98005-4901

DATE: 1/11/05
CCIL JOB #: 412167
CCIL SAMPLE #: 3
DATE RECEIVED: 12/28/04
WDOE ACCREDITATION #: C142

CLIENT CONTACT: NORM PURI

CLIENT PROJECT ID: RAPLEE STANWOOD
CLIENT SAMPLE ID: SP-3 12/27/04 1300

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY

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

APPROVED BY: C Ruff

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CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES
13620 NE 20TH ST. , SUITE J
BELLEVUE, WA 98005-4901

DATE: 1/5/05
CCIL JOB #: 412167
CCIL SAMPLE #: 4
DATE RECEIVED: 12/28/04
WDOE ACCREDITATION #: C142

CLIENT CONTACT: NORM PURI

CLIENT PROJECT ID: RAPLEE STANWOOD
CLIENT SAMPLE ID: G-1-7.5 12/27/04 1105

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-VOLATILE RANGE	NWTPH-GX	21	MG/KG	1/4/2005	LAP
MTBE***	EPA-8021	ND(<0.1)	MG/KG	1/4/2005	LAP
BENZENE	EPA-8021	0.4	MG/KG	1/4/2005	LAP
TOLUENE	EPA-8021	ND(<0.05)	MG/KG	1/4/2005	LAP
ETHYLBENZENE	EPA-8021	0.2	MG/KG	1/4/2005	LAP
XYLENES	EPA-8021	0.6	MG/KG	1/4/2005	LAP
TPH-DIESEL RANGE	NWTPH-DX/ CLEANUP	46	MG/KG	12/28/2004	DLC
TPH-LUBE OIL RANGE	NWTPH-DX/ CLEANUP	120	MG/KG	12/28/2004	DLC
LEAD	EPA-6010	35	MG/KG	12/29/2004	RAB

NOTES: CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCTS WHICH ARE LIKELY HIGHLY WEATHERED GASOLINE AND LUBE OIL
DIESEL RANGE RESULT DUE TO OVERLAP FROM LUBE OIL RANGE PRODUCT

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

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

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

APPROVED BY: C Rd

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CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES
13620 NE 20TH ST., SUITE J
BELLEVUE, WA 98005-4901

DATE: 1/5/05
CCIL JOB #: 412167
CCIL SAMPLE #: 5
DATE RECEIVED: 12/28/04
WDOE ACCREDITATION #: C142

CLIENT CONTACT: NORM PURI

CLIENT PROJECT ID: RAPLEE STANWOOD
CLIENT SAMPLE ID: G-2-8.0 12/27/04 1210

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-VOLATILE RANGE	NWTPH-GX	23	MG/KG	1/3/2005	LAP
MTBE***	EPA-8021	ND(<0.1)	MG/KG	1/3/2005	LAP
BENZENE	EPA-8021	0.9	MG/KG	1/3/2005	LAP
TOLUENE	EPA-8021	ND(<0.05)	MG/KG	1/3/2005	LAP
ETHYLBENZENE	EPA-8021	0.5	MG/KG	1/3/2005	LAP
XYLENES	EPA-8021	1.2	MG/KG	1/3/2005	LAP
TPH-DIESEL RANGE	NWTPH-DX/ CLEANUP	ND	MG/KG	12/28/2004	DLC
TPH-LUBE OIL RANGE	NWTPH-DX/ CLEANUP	ND	MG/KG	12/28/2004	DLC
LEAD	EPA-6010	12	MG/KG	12/29/2004	RAB

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

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

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

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

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CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES
13620 NE 20TH ST. , SUITE J
BELLEVUE, WA 98005-4901

DATE: 1/11/05
CCIL JOB #: 412167
CCIL SAMPLE #: 6
DATE RECEIVED: 12/28/04
WDOE ACCREDITATION #: C142

CLIENT CONTACT: NORM PURI

CLIENT PROJECT ID: RAPLEE STANWOOD
CLIENT SAMPLE ID: G-3-8.0 12/27/04 1450

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-VOLATILE RANGE	NWTPH-GX	55	MG/KG	1/4/2005	LAP
MTBE***	EPA-8021	ND(<0.1)	MG/KG	1/4/2005	LAP
BENZENE	EPA-8021	1.5	MG/KG	1/4/2005	LAP
TOLUENE	EPA-8021	0.1	MG/KG	1/4/2005	LAP
ETHYLBENZENE	EPA-8021	1.6	MG/KG	1/4/2005	LAP
XYLENES	EPA-8021	7.1	MG/KG	1/4/2005	LAP
TPH-DIESEL RANGE	NWTPH-DX/ CLEANUP	ND	MG/KG	12/28/2004	DLC
TPH-LUBE OIL RANGE	NWTPH-DX/ CLEANUP	ND	MG/KG	12/28/2004	DLC
LEAD	EPA-6010	6.4	MG/KG	12/29/2004	RAB
DICHLORODIFLUOROMETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
CHLOROMETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
VINYL CHLORIDE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
BROMOMETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
CHLOROETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
TRICHLOROFLUOROMETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,1-DICHLOROETHENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
METHYLENE CHLORIDE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
TRANS-1,2-DICHLOROETHENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,1-DICHLOROETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
CIS-1,2-DICHLOROETHENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
2,2-DICHLOROPROPANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
BROMOCHLOROMETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
CHLOROFORM	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,1,1-TRICHLOROETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,1-DICHLOROPROPENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
CARBON TETRACHLORIDE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,2-DICHLOROETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
TRICHLOROETHENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,2-DICHLOROPROPANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
DIBROMOMETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
BROMODICHLOROMETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
TRANS-1,3-DICHLOROPROPENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
CIS-1,3-DICHLOROPROPENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,1,2-TRICHLOROETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,3-DICHLOROPROPANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
TETRACHLOROETHYLENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN

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CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES
13620 NE 20TH ST. , SUITE J
BELLEVUE, WA 98005-4901

DATE: 1/11/05
CCIL JOB #: 412167
CCIL SAMPLE #: 6
DATE RECEIVED: 12/28/04
WDOE ACCREDITATION #: C142

CLIENT CONTACT: NORM PURI

CLIENT PROJECT ID: RAPLEE STANWOOD
CLIENT SAMPLE ID: G-3-8.0 12/27/04 1450

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
DIBROMOCHLOROMETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,2-DIBROMOETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
CHLOROBENZENE	EPA-8260	740	UG/KG	1/10/2005	CCN
BROMOFORM	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,1,2,2-TETRACHLOROETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,2,3-TRICHLOROPROPANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
BROMOBENZENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
2-CHLOROTOLUENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
4-CHLOROTOLUENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,3 DICHLOROBENZENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,4-DICHLOROBENZENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,2-DICHLOROBENZENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,2-DIBROMO 3-CHLOROPROPANE	EPA-8260	ND(<500)	UG/KG	1/10/2005	CCN
1,2,4-TRICHLOROBENZENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
HEXACHLOROBUTADIENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,2,3-TRICHLOROBENZENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN

NOTEs: CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCT WHICH IS LIKELY HIGHLY WEATHERED GASOLINE
HVOC'S REPORTING LIMITS RAISED DUE TO HIGH CONCENTRATIONS OF NON ANALYTE COMPOUNDS

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

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

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

APPROVED BY: C Rd

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CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES
13620 NE 20TH ST. , SUITE J
BELLEVUE, WA 98005-4901

DATE: 1/11/05
CCIL JOB #: 412167
CCIL SAMPLE #: 7
DATE RECEIVED: 12/28/04
WDOE ACCREDITATION #: C142

CLIENT CONTACT: NORM PURI

CLIENT PROJECT ID: RAPLEE STANWOOD
CLIENT SAMPLE ID: G-4-4.5 12/27/04 1505

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-VOLATILE RANGE	NWTPH-GX	370	MG/KG	1/4/2005	LAP
MTBE***	EPA-8021	ND(<0.5)	MG/KG	1/4/2005	LAP
BENZENE	EPA-8021	3.7	MG/KG	1/4/2005	LAP
TOLUENE	EPA-8021	0.4	MG/KG	1/4/2005	LAP
ETHYLBENZENE	EPA-8021	8.3	MG/KG	1/4/2005	LAP
XYLENES	EPA-8021	43	MG/KG	1/4/2005	LAP
TPH-DIESEL RANGE	NWTPH-DX	870	MG/KG	12/29/2004	DLC
TPH-LUBE OIL RANGE	NWTPH-DX	3500	MG/KG	12/29/2004	DLC
DICHLORODIFLUOROMETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
CHLOROMETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
VINYL CHLORIDE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
BROMOMETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
CHLOROETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
TRICHLOROFLUOROMETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,1-DICHLOROETHENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
METHYLENE CHLORIDE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
TRANS-1,2-DICHLOROETHENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,1-DICHLOROETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
CIS-1,2-DICHLOROETHENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
2,2-DICHLOROPROPANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
BROMOCHLOROMETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
CHLOROFORM	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,1,1-TRICHLOROETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,1-DICHLOROPROPENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
CARBON TETRACHLORIDE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,2-DICHLOROETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
TRICHLOROETHENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,2-DICHLOROPROPANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
DIBROMOMETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
BROMODICHLOROMETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
TRANS-1,3-DICHLOROPROPENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
CIS-1,3-DICHLOROPROPENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,1,2-TRICHLOROETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,3-DICHLOROPROPANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
TETRACHLOROETHYLENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
DIBROMOCHLOROMETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,2-DIBROMOETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN

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CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES
13620 NE 20TH ST. , SUITE J
BELLEVUE, WA 98005-4901

DATE: 1/11/05
CCIL JOB #: 412167
CCIL SAMPLE #: 7
DATE RECEIVED: 12/28/04
WDOE ACCREDITATION #: C142

CLIENT CONTACT: NORM PURI

CLIENT PROJECT ID: RAPLEE STANWOOD
CLIENT SAMPLE ID: G-4-4.5 12/27/04 1505

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
CHLOROBENZENE	EPA-8260	1900	UG/KG	1/10/2005	CCN
BROMOFORM	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,1,2,2-TETRACHLOROETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,2,3-TRICHLOROPROPANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
BROMOBENZENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
2-CHLOROTOLUENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
4-CHLOROTOLUENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,3 DICHLOROBENZENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,4-DICHLOROBENZENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,2-DICHLOROBENZENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,2-DIBROMO 3-CHLOROPROPANE	EPA-8260	ND(<500)	UG/KG	1/10/2005	CCN
1,2,4-TRICHLOROBENZENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
HEXACHLOROBUTADIENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,2,3-TRICHLOROBENZENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN

NOTES: CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCTS WHICH ARE LIKELY HIGHLY WEATHERED GASOLINE, LIGHT OIL AND LUBE OIL
DIESEL RANGE RESULT DUE TO OVERLAP FROM LUBE OIL RANGE PRODUCT
HVOC'S REPORTING LIMITS RAISED DUE TO HIGH CONCENTRATIONS OF NON ANALYTE COMPOUNDS

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:
GASOLINE(VOLATILE RANGE) REPORTING LIMIT IS 15 MG/KG
DIESEL RANGE REPORTING LIMIT IS 130 MG/KG
LUBE OIL RANGE REPORTING LIMIT IS 250 MG/KG

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

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

APPROVED BY: C Pat

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CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES
13620 NE 20TH ST., SUITE J
BELLEVUE, WA 98005-4901

DATE: 1/5/05
CCIL JOB #: 412167
CCIL SAMPLE #: 8
DATE RECEIVED: 12/28/04
WDOE ACCREDITATION #: C142

CLIENT CONTACT: NORM PURI

CLIENT PROJECT ID: RAPLEE STANWOOD
CLIENT SAMPLE ID: G-5-4.5 12/27/04 1515

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-VOLATILE RANGE	NWTPH-GX	250	MG/KG	1/4/2005	LAP
MTBE***	EPA-8021	ND(<0.4)	MG/KG	1/4/2005	LAP
BENZENE	EPA-8021	2.7	MG/KG	1/4/2005	LAP
TOLUENE	EPA-8021	ND(<0.2)	MG/KG	1/4/2005	LAP
ETHYLBENZENE	EPA-8021	1.5	MG/KG	1/4/2005	LAP
XYLENES	EPA-8021	7.7	MG/KG	1/4/2005	LAP
TPH-DIESEL RANGE	NWTPH-DX/ CLEANUP	130	MG/KG	12/28/2004	DLC
TPH-LUBE OIL RANGE	NWTPH-DX/ CLEANUP	850	MG/KG	12/28/2004	DLC

NOTES: CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCTS WHICH ARE LIKELY HIGHLY WEATHERED GASOLINE, LIGHT OIL AND LUBE OIL
DIESEL RANGE RESULT DUE TO OVERLAP FROM LUBE OIL RANGE PRODUCT

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:
GASOLINE(VOLATILE RANGE) REPORTING LIMIT IS 12 MG/KG
DIESEL RANGE REPORTING LIMIT IS 130 MG/KG
LUBE OIL RANGE REPORTING LIMIT IS 250 MG/KG

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

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

APPROVED BY: C Rd

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CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES
13620 NE 20TH ST., SUITE J
BELLEVUE, WA 98005-4901

DATE: 1/5/05
CCIL JOB #: 412167
CCIL SAMPLE #: 9
DATE RECEIVED: 12/28/04
WDOE ACCREDITATION #: C142

CLIENT CONTACT: NORM PURI

CLIENT PROJECT ID: RAPLEE STANWOOD
CLIENT SAMPLE ID: G-6-4.5 12/27/04 1525

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-VOLATILE RANGE	NWTPH-GX	200	MG/KG	1/3/2005	LAP
MTBE***	EPA-8021	ND(<0.2)	MG/KG	1/3/2005	LAP
BENZENE	EPA-8021	2.4	MG/KG	1/3/2005	LAP
TOLUENE	EPA-8021	ND(<0.1)	MG/KG	1/3/2005	LAP
ETHYLBENZENE	EPA-8021	1.3	MG/KG	1/3/2005	LAP
XYLENES	EPA-8021	9.9	MG/KG	1/3/2005	LAP
TPH-DIESEL RANGE	NWTPH-DX/ CLEANUP	350	MG/KG	12/28/2004	DLC
TPH-LUBE OIL RANGE	NWTPH-DX/ CLEANUP	1500	MG/KG	12/28/2004	DLC

NOTES: CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCTS WHICH ARE LIKELY HIGHLY WEATHERED GASOLINE, LIGHT OIL AND LUBE OIL.
DIESEL RANGE RESULT DUE TO OVERLAP FROM VOLATILE AND LUBE OIL RANGE PRODUCT

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:
GASOLINE(VOLATILE RANGE) REPORTING LIMIT IS 6 MG/KG
DIESEL RANGE REPORTING LIMIT IS 25 MG/KG
LUBE OIL RANGE REPORTING LIMIT IS 50 MG/KG

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

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

APPROVED BY: C Pat

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CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES
13620 NE 20TH ST., SUITE J
BELLEVUE, WA 98005-4901

DATE: 1/5/05
CCIL JOB #: 412167
CCIL SAMPLE #: 10
DATE RECEIVED: 12/28/04
WDOE ACCREDITATION #: C142

CLIENT CONTACT: NORM PURI

CLIENT PROJECT ID: RAPLEE STANWOOD
CLIENT SAMPLE ID: G-7-4.5 12/27/04 1540

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-VOLATILE RANGE	NWTPH-GX	240	MG/KG	1/3/2005	LAP
MTBE***	EPA-8021	ND(<0.4)	MG/KG	1/3/2005	LAP
BENZENE	EPA-8021	4.3	MG/KG	1/3/2005	LAP
TOLUENE	EPA-8021	0.3	MG/KG	1/3/2005	LAP
ETHYLBENZENE	EPA-8021	7.0	MG/KG	1/3/2005	LAP
XYLENES	EPA-8021	18	MG/KG	1/3/2005	LAP
TPH-DIESEL RANGE	NWTPH-DX/ CLEANUP	440	MG/KG	12/28/2004	DLC
TPH-LUBE OIL RANGE	NWTPH-DX/ CLEANUP	2200	MG/KG	12/28/2004	DLC

NOTES: CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCTS WHICH ARE LIKELY WEATHERED GASOLINE, LIGHT OIL AND LUBE OIL
DIESEL RANGE RESULT DUE TO OVERLAP FROM VOLATILE AND LUBE OIL RANGE PRODUCT

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:
GASOLINE(VOLATILE RANGE) REPORTING LIMIT IS 12 MG/KG
DIESEL RANGE REPORTING LIMIT IS 25 MG/KG
LUBE OIL RANGE REPORTING LIMIT IS 50 MG/KG

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

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

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CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES
13620 NE 20TH ST. , SUITE J
BELLEVUE, WA 98005-4901

DATE: 1/5/05
CCIL JOB #: 412167
CCIL SAMPLE #: 11
DATE RECEIVED: 12/28/04
WDOE ACCREDITATION #: C142

CLIENT CONTACT: NORM PURI

CLIENT PROJECT ID: RAPLEE STANWOOD
CLIENT SAMPLE ID: G-8-4.5 12/27/04 1550

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-VOLATILE RANGE	NWTPH-GX	770	MG/KG	1/3/2005	LAP
MTBE***	EPA-8021	ND(<1.0)	MG/KG	1/3/2005	LAP
BENZENE	EPA-8021	11	MG/KG	1/3/2005	LAP
TOLUENE	EPA-8021	0.8	MG/KG	1/3/2005	LAP
ETHYLBENZENE	EPA-8021	17	MG/KG	1/3/2005	LAP
XYLENES	EPA-8021	91	MG/KG	1/3/2005	LAP
TPH-DIESEL RANGE	NWTPH-DX/ CLEANUP	640	MG/KG	12/28/2004	DLC
TPH-LUBE OIL RANGE	NWTPH-DX/ CLEANUP	2500	MG/KG	12/28/2004	DLC

NOTES: CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCTS WHICH ARE LIKELY HIGHLY WEATHERED GASOLINE, LIGHT OIL AND LUBE OIL
DIESEL RANGE RESULT DUE TO OVERLAP FROM VOLATILE AND LUBE OIL RANGE PRODUCT

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:
GASOLINE(VOLATILE RANGE) REPORTING LIMIT IS 30 MG/KG
DIESEL RANGE REPORTING LIMIT IS 25 MG/KG
LUBE OIL RANGE REPORTING LIMIT IS 50 MG/KG

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

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

APPROVED BY: C Pat

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CLIENT: PINNACLE GEOSCIENCES
13620 NE 20TH ST., SUITE J
BELLEVUE, WA 98005-4901

DATE: 1/5/05
CCIL JOB #: 412167
CCIL SAMPLE #: 12
DATE RECEIVED: 12/28/04
WDOE ACCREDITATION #: C142

CLIENT CONTACT: NORM PURI

CLIENT PROJECT ID: RAPLEE STANWOOD
CLIENT SAMPLE ID: G-9-4.5 12/27/04 1600

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-VOLATILE RANGE	NWTPH-GX	1100	MG/KG	1/3/2005	LAP
MTBE***	EPA-8021	ND(<1.0)	MG/KG	1/3/2005	LAP
BENZENE	EPA-8021	15	MG/KG	1/3/2005	LAP
TOLUENE	EPA-8021	1.8	MG/KG	1/3/2005	LAP
ETHYLBENZENE	EPA-8021	28	MG/KG	1/3/2005	LAP
XYLENES	EPA-8021	130	MG/KG	12/30/2004	LAP
TPH-DIESEL RANGE	NWTPH-DX	900	MG/KG	12/29/2004	DLC
TPH-LUBE OIL RANGE	NWTPH-DX	3300	MG/KG	12/29/2004	DLC

NOTES: CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCTS WHICH ARE LIKELY HIGHLY WEATHERED GASOLINE, LIGHT OIL AND LUBE OIL
DIESEL RANGE RESULT DUE TO OVERLAP FROM VOLATILE AND LUBE OIL RANGE PRODUCT

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:
GASOLINE(VOLATILE RANGE) REPORTING LIMIT IS 30 MG/KG
DIESEL RANGE REPORTING LIMIT IS 50 MG/KG
LUBE OIL RANGE REPORTING LIMIT IS 100 MG/KG

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

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

APPROVED BY: C Rt

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CERTIFICATE OF ANALYSIS

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13620 NE 20TH ST. , SUITE J
BELLEVUE, WA 98005-4901

DATE: 1/5/05
CCIL JOB #: 412167
CCIL SAMPLE #: 13
DATE RECEIVED: 12/28/04
WDOE ACCREDITATION #: C142

CLIENT CONTACT: NORM PURI

CLIENT PROJECT ID: RAPLEE STANWOOD
CLIENT SAMPLE ID: PL-1-1.0 12/27/04 1610

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-VOLATILE RANGE	NWTPH-GX	910	MG/KG	1/3/2005	LAP
MTBE***	EPA-8021	ND(<2.0)	MG/KG	1/3/2005	LAP
BENZENE	EPA-8021	2.4	MG/KG	1/3/2005	LAP
TOLUENE	EPA-8021	ND(<1.0)	MG/KG	1/3/2005	LAP
ETHYLBENZENE	EPA-8021	4.2	MG/KG	1/3/2005	LAP
XYLENES	EPA-8021	23	MG/KG	1/3/2005	LAP

NOTE: CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCTS WHICH ARE LIKELY HIGHLY WEATHERED GASOLINE,

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:
GASOLINE(VOLATILE RANGE) REPORTING LIMIT IS 60 MG/KG

** UNITS FOR AL DIESEL RANGE RESULT DUE TO OVERLAP FROM VOLATILE AND LUBE OIL RANGE PRODUCT

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

APPROVED BY: C Ruf

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CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES
13620 NE 20TH ST. , SUITE J
BELLEVUE, WA 98005-4901

DATE: 1/5/05
CCIL JOB #: 412167
CCIL SAMPLE #: 14
DATE RECEIVED: 12/28/04
WDOE ACCREDITATION #: C142

CLIENT CONTACT: NORM PURI

CLIENT PROJECT ID: RAPLEE STANWOOD
CLIENT SAMPLE ID: SI-1-1.5 12/27/04 1620

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-VOLATILE RANGE	NWTPH-GX	300	MG/KG	1/3/2005	LAP
MTBE***	EPA-8021	ND(<0.5)	MG/KG	1/3/2005	LAP
BENZENE	EPA-8021	ND(<0.2)	MG/KG	1/3/2005	LAP
TOLUENE	EPA-8021	0.4	MG/KG	1/3/2005	LAP
ETHYLBENZENE	EPA-8021	1.0	MG/KG	1/3/2005	LAP
XYLENES	EPA-8021	2.1	MG/KG	1/3/2005	LAP

NOTE: CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCTS WHICH ARE LIKELY HIGHLY WEATHERED GASOLINE,

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS: GASOLINE(VOLATILE RANGE) REPORTING LIMIT IS 15 MG/KG

** UNITS FOR AL DIESEL RANGE RESULT DUE TO OVERLAP FROM VOLATILE AND LUBE OIL RANGE PRODUCT

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

APPROVED BY: C Pat

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13620 NE 20TH ST. , SUITE J
BELLEVUE, WA 98005-4901

DATE: 1/11/05
CCIL JOB #: 412167

DATE RECEIVED: 12/28/04
WDOE ACCREDITATION #: C142

CLIENT CONTACT: NORM PURI

CLIENT PROJECT ID: RAPLEE STANWOOD

DATA RESULTS

SURROGATE RECOVERY

CCIL SAMPLE ID	ANALYTE	SUR ID	% RECV
412167-01	NWTPH-GX	TFT	78
412167-01	EPA-8021	TFT	88
412167-01	NWTPH-DX W/CLEANUP	C25	137
412167-01	EPA-8260	1,2-DCE-d4	97
412167-01	EPA-8260	4-BFB	101
412167-02	NWTPH-GX	TFT	67
412167-02	EPA-8021	TFT	61
412167-02	NWTPH-DX	C25	140
412167-03	NWTPH-GX	TFT	*
412167-03	EPA-8021	TFT	*
412167-03	NWTPH-DX	C25	*
412167-03	EPA-8260	1,2-DCE-d4	101
412167-03	EPA-8260	4-BFB	102
412167-04	NWTPH-GX	TFT	76
412167-04	EPA-8021	TFT	84
412167-04	NWTPH-DX W/CLEANUP	C25	105
412167-05	NWTPH-GX	TFT	60
412167-05	EPA-8021	TFT	66
412167-05	NWTPH-DX W/CLEANUP	C25	109
412167-06	NWTPH-GX	TFT	97
412167-06	EPA-8021	TFT	111
412167-06	NWTPH-DX W/CLEANUP	C25	109
412167-06	EPA-8260	1,2-DCE-d4	105
412167-06	EPA-8260	4-BFB	101
412167-07	NWTPH-GX	TFT	58**
412167-07	EPA-8021	TFT	51***
412167-07	NWTPH-DX	C25	105
412167-07	EPA-8260	1,2-DCE-d4	105
412167-07	EPA-8260	4-BFB	101
412167-07 (CHLOROBENZENE)	EPA-8260	1,2-DCE-d4	103
412167-07 (CHLOROBENZENE)	EPA-8260	4-BFB	105
412167-08	NWTPH-GX	TFT	59

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ANALYTICAL
LABORATORIES, INC.

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES
13620 NE 20TH ST. , SUITE J
BELLEVUE, WA 98005-4901

DATE: 1/11/05
CCIL JOB #: 412167

DATE RECEIVED: 12/28/04
WDOE ACCREDITATION #: C142

CLIENT CONTACT: NORM PURI

CLIENT PROJECT ID: RAPLEE STANWOOD

DATA RESULTS

412167-08	EPA-8021	TFT	74
412167-08	NWTPH-DX W/CLEANUP	C25	118
412167-09	NWTPH-GX	TFT	82
412167-09	EPA-8021	TFT	97
412167-09	NWTPH-DX W/CLEANUP	C25	104
412167-10	NWTPH-GX	TFT	70
412167-10	EPA-8021	TFT	78
412167-10	NWTPH-DX W/CLEANUP	C25	127
412167-11	NWTPH-GX	TFT	*
412167-11	EPA-8021	TFT	*
412167-11	NWTPH-DX W/CLEANUP	C25	118
412167-12	NWTPH-GX	TFT	*
412167-12	EPA-8021	TFT	*
412167-12	NWTPH-DX	C25	104
412167-13	NWTPH-GX	TFT	*
412167-13	EPA-8021	TFT	*
412167-14	NWTPH-GX	TFT	59
412167-14	EPA-8021	TFT	55

BLANK AND DUPLICATE RESULTS

METHOD	BLK RESULT	ASSOC SMPLS
NWTPH-GX (GAS)	ND(<3)	412167-01 TO 14
EPA-8021(MTBE)	ND(<0.1)	412167-01 TO 14
EPA-8021(BENZENE)	ND(<0.03)	412167-01 TO 14
EPA-8021(TOLUENE)	ND(<0.05)	412167-01 TO 14
EPA-8021(ETHYLBENZ)	ND(<0.05)	412167-01 TO 14
EPA-8021(XYLENE)	ND(<0.2)	412167-01 TO 14
NWTPH-DX (DSL)	ND(<25)	412167-01 TO 12
NWTPH-DX (OIL)	ND(<50)	412167-01 TO 12
EPA-6010 (PB)	ND(<0.72)	412167-01 TO 06
EPA-8260	SEE BLANK REPORT	

SPIKE/ SPIKE DUPLICATE RESULTS

	ASSOCIATED	% SPIKE	% SPIKE DUP

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CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES
13620 NE 20TH ST. , SUITE J
BELLEVUE, WA 98005-4901

DATE: 1/11/05
CCIL JOB #: 412167

DATE RECEIVED: 12/28/04
WDOE ACCREDITATION #: C142

CLIENT CONTACT: NORM PURI

CLIENT PROJECT ID: RAPLEE STANWOOD

DATA RESULTS

METHOD	SPIKE ID	SAMPLES	RECOVERY	RECOVERY	REL % DIFF
NWTPH-GX	GASOLINE	412167-01 TO 14	78	74	5
EPA-8021	MTBE	412167-01 TO 14	106	107	1
EPA-8021	BENZENE	412167-01 TO 14	113	115	2
EPA-8021	TOLUENE	412167-01 TO 14	112	116	4
EPA-8021	ETHYLBENZENE	412167-01 TO 14	110	114	4
EPA-8021	XYLENE	412167-01 TO 14	113	117	4
NWTPH-DX	DIESEL	412167-01 TO 12	104	102	2
EPA-6010 (PB)	LEAD	412167-01 TO 06	95	95	110
EPA-8260	1,1 DICHLOROETHENE	412167-01,03, 06, 07	101	89	13
EPA-8260	TRICHLOROETHENE	412167-01,03, 06, 07	100	93	7
EPA-8260	CHLOROBENZENE	412167-01,03, 06, 07	93	93	0

* SURROGATE DILUTED OUT OF CALIBRATION RANGE
** SURROGATE OUTSIDE OF CONTROL LIMITS OF 59-121% DUE TO MATRIX INTERFERENCE
** SURROGATE OUTSIDE OF CONTROL LIMITS OF 55-123% DUE TO MATRIX INTERFERENCE

APPROVED BY: C Pat

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CCI
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LABORATORIES, INC.

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES
13620 NE 20TH ST. , SUITE J
BELLEVUE, WA 98005-4901

DATE: 1/5/05
CCIL JOB #: 412167
CCIL SAMPLE #: BLK
DATE RECEIVED: 12/28/04
WDOE ACCREDITATION #: C142

CLIENT CONTACT: NORM PURI

CLIENT PROJECT ID: RAPLEE STANWOOD
CLIENT SAMPLE ID: METHOD BLANK FOR EPA-8260

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
DICHLORODIFLUOROMETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
CHLOROMETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
VINYL CHLORIDE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
BROMOMETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
CHLOROETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
TRICHLOROFLUOROMETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,1-DICHLOROETHENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
METHYLENE CHLORIDE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
TRANS-1,2-DICHLOROETHENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,1-DICHLOROETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
CIS-1,2-DICHLOROETHENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
2,2-DICHLOROPROPANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
BROMOCHLOROMETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
CHLOROFORM	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,1,1-TRICHLOROETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,1-DICHLOROPROPENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
CARBON TETRACHLORIDE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,2-DICHLOROETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
TRICHLOROETHENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,2-DICHLOROPROPANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
DIBROMOMETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
BROMODICHLOROMETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
TRANS-1,3-DICHLOROPROPENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
CIS-1,3-DICHLOROPROPENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,1,2-TRICHLOROETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,3-DICHLOROPROPANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
TETRACHLOROETHYLENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
DIBROMOCHLOROMETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,2-DIBROMOETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
CHLOROBENZENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
BROMOFORM	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,1,2,2-TETRACHLOROETHANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,2,3-TRICHLOROPROPANE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
BROMOBENZENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
2-CHLOROTOLUENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
4-CHLOROTOLUENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,3 DICHLOROBENZENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,4-DICHLOROBENZENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN
1,2-DICHLOROBENZENE	EPA-8260	ND(<100)	UG/KG	1/10/2005	CCN

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ATTACHMENT B – TANK DISPOSAL CERTIFICATION

SEATTLE IRON & METALS CORP. 04-068

601 S. MYRTLE ST. • SEATTLE, WASHINGTON 98108
(206) 682-0040 • FAX: (206) 623-1231

dealers and brokers...

IRON AND STEEL SCRAP • NON-FERROUS METALS • STEEL PRODUCTS

Control# 164710

Date: 12-29-2004 Notes:
Prepared By: Andrea G
Check#
VID# 2528
Glacier Environmental

Paid To

Retail Ticket

X _____

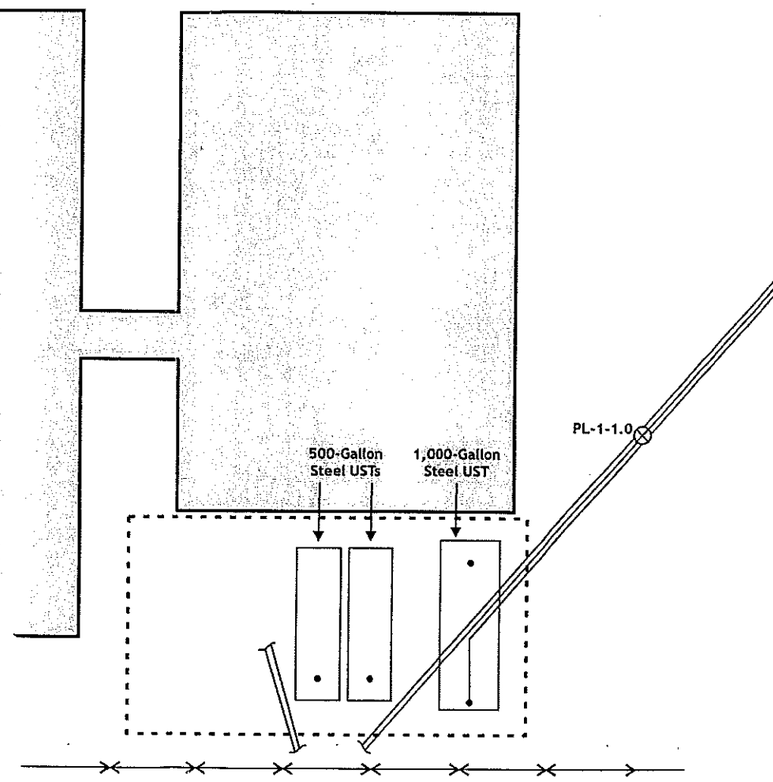
Commodity	Gross	Tare	Tare2	Net	UM	Price	Total
Unprepared Scrap	18,240	7,200		11,040	N		
	18,240	7,200		11,040			

PAID
DEC 2 3 2004
SEATTLE IRON & METALS CORP.

Explanation

⊗ Sample location and identification
PL-1-1.0

271st Street NW



Tank Excavation Detail

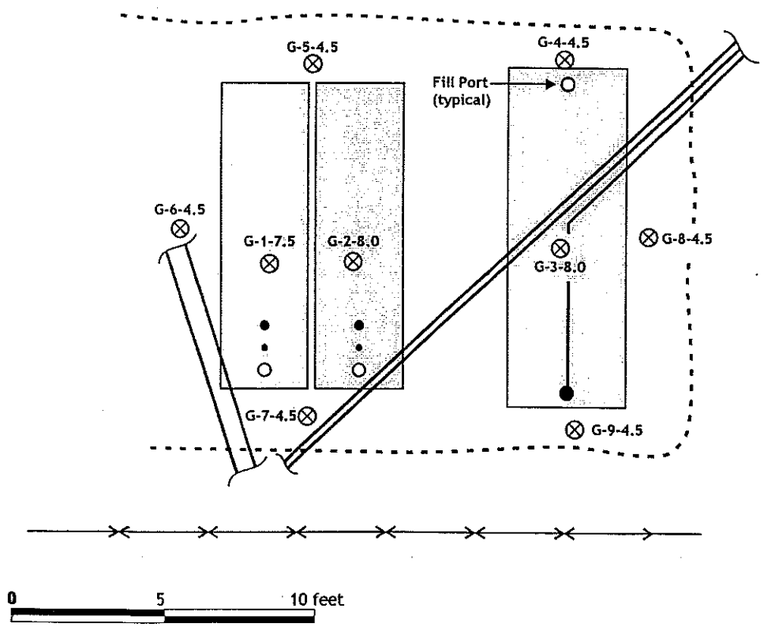


Figure 2
UST Removal
Former Service Station
9816 271st Street Northwest
Stanwood, Washington

Pinnacle GeoSciences