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Antea USA, Inc.
4006 148th Avenue NE
Redmond, Washington 98052 USA
www.anteagroup.com



TRANSMITTAL

TO:	Mr. Jack Raines
COMPANY:	Lake Chelan Boat Company
FROM:	Matthew R. Miller – Antea Group for Colony Insurance
DATE:	June 12, 10212

PROJECT LOCATION: 1418 West Woodin Avenue, Chelan Washington

ANTEA PROJECT NUMBER: STCG-4222

ENCLOSED:

1	Soil Over-Excavation Report Colony Claim #208188
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SEND VIA:

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<input type="checkbox"/> Other	<input type="checkbox"/> Standard O/N
	<input type="checkbox"/> 2-Day
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<input type="checkbox"/> See Explanation Below	<input type="checkbox"/> As Requested	<input type="checkbox"/> Information
<input type="checkbox"/> Your Files	<input type="checkbox"/> Processing	<input checked="" type="checkbox"/> Review
<input type="checkbox"/> Signature and Forwarding		<input type="checkbox"/> Resubmit

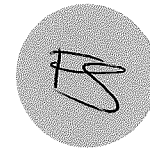
MESSAGE:

Thank you,

Matthew R. Miller
Project Manager
ANTEA GROUP

c.c. Toxics Cleanup Program, Washington State Department of Ecology Central Region
Argo Group / Colony Insurance, San Antonio, Texas
File, Antea Group





SOIL OVER-EXCAVATION REPORT

Lake Chelan Boat Company
Colony Insurance Claim #208188
1418 West Woodin Ave
Chelan, WA 98816

Antea™ Group Project No. STCG-4222.0002
June 12, 2012

Prepared for:
Lake Chelan Boat Company
Mr. Jack Raines
1418 West Woodin Ave
Chelan, WA 98816

Washington State Department of Ecology
Toxics Cleanup Program
15 West Yakima Avenue, Suite 200
Yakima, WA 98902-3401

Prepared by:
Antea™ Group
4006 148th Avenue NE
Redmond, WA 98052
800 477 4711





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Soil Over-Excavation Report

*Lake Chelan Boat Company
Colony Insurance Claim #208188
1418 West Woodin Ave, Chelan, WA 98816*

Antea™ Group (Antea Group), has prepared this report to document the over-excavation activities at Lake Chelan Boat Company located at 1418 West Woodin Ave in Chelan, Washington (the Property, Figure 1). Over-excavation activities were performed after soil impacts were detected during the removal of a diesel underground storage tank (UST) by Environmental Associates, Inc.

1.0 EXECUTIVE SUMMARY

Over-excavation activities took place on March 26 and 27, 2012. The Property owner, Jack Raines, contracted licensed contractors to excavate and transport soil for proper disposal. Approximately 372.06 tons of soil was disposed at the Greater Wenatchee Landfill in East Wenatchee Washington.

Soil samples were collected from the bottom and sidewalls of the excavation. Laboratory analytical results indicate that all samples were below Washington State Model Toxics Control Act (MTCA) Method A cleanup levels for total petroleum hydrocarbons as diesel (TPH-D), as oil (TPH-O), benzene, toluene, ethylbenzene, and total xylenes (BTEX). TPH-D was detected at a maximum concentration of 540 milligrams per kilogram (mg/kg). All other analytes were below laboratory method reporting limits (MRLs).

Prior to backfilling, bioremediation compounds (PermeOx) were applied within the bottom of the excavation. As the groundwater level rises to the seasonally high levels the compounds will enhance biodegradation of the remaining dissolved-phase petroleum hydrocarbons. Excavation backfill consisted of clean fill material from the Property and the adjacent property. Backfill material from the adjacent property was field screened to ensure that it was not impacted with petroleum hydrocarbons.

2.0 INTRODUCTION

2.1 Purpose

The purpose of Antea Group's services was to document the environmental conditions at the site following excavation activities and to remove any hydrocarbon-impacted media from the site to practical or feasible limits.

2.2 Scope of Work

Antea Group's scope of work included the following activities:

- Observing and documenting over-excavation activities;
- Collecting discrete soil samples from the bottom and sidewalls of the excavation;
- Oversee the application of bioremediation compounds after excavation and sampling was complete;
- Documenting backfilling of excavated areas;
- Submitting soil samples for quantitative laboratory analyses; and
- Preparing this report.

3.0 BACKGROUND

Lake Chelan Boat Company (the Property) is an operating business located at 1418 West Woodin Avenue in Chelan, Washington (Figure 2). The Property consists of an office building, workshop, docks/dry dock, and gravel parking areas. One diesel above ground storage tank (AST) is present east of the office building and workshop.

On February 6, 2012, Antea Group was informed by ARGO Pro/Colony Insurance (Colony) that a 10,000-gallon diesel UST was removed from the property on November 7, 2011. Environmental Associates, Inc oversaw the removal of the tank and noted that the tank was moderately rusted and pitted, but did not contain obvious holes. The property owner reported previous problems with the turbine at the north end of the tank. Environmental Associates, Inc collected soil samples from the bottom and sidewalls of the excavation. Laboratory analytical results indicate that concentrations exceeded MTCA Method A cleanup levels in the samples collected from the north and south bottom samples and from the north sidewall. Concentrations ranged from less than the laboratory MRL of 50 mg/kg to 24,000 mg/kg (Appendix A). The volume of diesel released from the tank is not known.

On March 6 and 7, 2012, Antea Group personnel directed the advancement of four soil borings with the purpose of defining the limits of over-excavation. Soil samples were collected during the advancement of each soil boring at approximate 5-foot intervals. Laboratory analytical results for soil indicated that petroleum hydrocarbons were not detected above MTCA Method A cleanup levels. All four soil borings were completed as 2-inch groundwater monitoring wells MW-1 through MW-4. Results of this investigation were presented to The Lake Chelan Boat Company and the Department of Ecology in a report titled, "Well Installation Report", dated April 27, 2012.

On March 21, 2012, Antea personnel returned to the Property to collect groundwater samples from MW-1 through MW-4. Laboratory analytical results for groundwater indicated that concentrations of TPH-D exceeded MTCA Method A cleanup levels in monitoring well MW-3 at a concentration of 1,300 micrograms per liter (ug/L). All other analytes were below MTCA Method A cleanup levels. Groundwater results were also included in the April 27, 2012 *Well Installation Report* and the data will be included in future quarterly groundwater monitoring reports.

4.0 OVER-EXCAVATION ACTIVITIES

4.1 Over-Excavation

On March 26 and 27, 2012, Antea Group personnel oversaw the over-excavation of the former diesel UST. Results from well installation activities on March 6 and 7, 2012 indicated that significantly expanding the excavation laterally was not necessary and that over-excavation activities were to focus on the bottom. The Property owner secured licensed contractors to excavate and transport soil off site for proper disposal. Approximately 372.06 tons of soil was disposed at the Greater Wenatchee Landfill in East Wenatchee Washington (Appendix B). Limits of the excavation were determined by field-screening and visual observations.

4.2 Soil Sampling

When it appeared that all remaining impacted soil had been removed, Antea Group personnel collected confirmation soil samples for quantitative chemical analysis. A total of eight soil samples were collected from the excavation; two samples were collected from the bottom of the excavation and six samples along the side walls of the excavation (Figure 3). All eight soil samples were submitted for laboratory analysis. Each sample collected was individually labeled, registered on a Chain-of-Custody form, and placed in a chilled cooler pending delivery to a certified analytical laboratory.

4.2.1 Laboratory Analysis

Soil samples were submitted to ALS Laboratories of Everett, WA, for quantitative chemical analysis. All samples were analyzed for the following parameters per Table 830-1 of MTCA Cleanup Regulation Chapter 173-340 WAC:

- TPH-D and TPH-O using Northwest Method NWTPH-Dx with Silica Gel cleanup;
- BTEX using EPA Method 8021; and,
- Carcinogenic Polycyclic Aromatic Hydrocarbons (PAHs) by EPA Method 8270.

4.3 Application of Bioremediation Compounds

Prior to backfilling, 750 pounds of bioremediation compounds (PermeOx Plus) were applied within the bottom of the excavation. As the groundwater level rises to the seasonally high levels, the compounds will enhance

biodegradation of the remaining dissolved-phase petroleum hydrocarbons. Groundwater monitoring will continue on a quarterly basis to gauge the status of groundwater concentrations and the success of the PermeOx application.

4.4 Excavation Backfilling

Excavation backfill consisted of clean fill material from the Property and the adjacent property. Backfill material from the adjacent property was field screened with a photo-ionization detector (PID) to ensure that it was not impacted with petroleum hydrocarbons.

5.0 ANALYTICAL RESULTS

Laboratory analytical results indicate that all samples were below MTCA Method A cleanup levels for total petroleum hydrocarbons as diesel (TPH-D), total petroleum hydrocarbons as oil (TPH-O), benzene, toluene, ethylbenzene, and total xylenes (BTEX). TPH-D was detected in samples EX-2-18, EX-4-16, and EX-5-12 at concentrations of 140 mg/kg, 33 mg/kg, and 540 mg/kg, respectively. Concentrations of TPH-O, BTEX, and carcinogenic PAHs were not detected above the laboratory MRL in any soil samples submitted.

6.0 CONCLUSIONS

Based on soil analytical results, Antea Group is confident that the majority of the soil impacted by the former diesel UST has been removed. The residual hydrocarbons remaining in the subsurface will likely be addressed by the bioremediation compounds applied at the bottom of the excavation. Antea Group will continue to conduct quarterly groundwater monitoring and sampling. After four consecutive quarters of groundwater samples showing concentrations of contaminants of concern below MTCA Method A cleanup levels, Antea Group will enter the site in Ecology's Voluntary Cleanup Program (VCP) and request No Further Action status for the site.

7.0 REMARKS

The recommendations contained in this report represent Antea USA, Inc.'s professional opinions based upon the currently available information and are arrived at in accordance with currently accepted professional standards. This report is based upon a specific scope of work requested by the client. The contract between Antea USA, Inc. and its client outlines the scope of work, and only those tasks specifically authorized by that contract or outlined in this report were performed. This report is intended only for the use of Antea USA, Inc.'s client and anyone else specifically identified in writing by Antea USA, Inc. as a user of this report. Antea USA, Inc. will not and cannot be liable for

unauthorized reliance by any other third party. Other than as contained in this paragraph, Antea USA, Inc. makes no express or implied warranty as to the contents of this report.

Prepared by:



Megan MacDonald
Project Professional

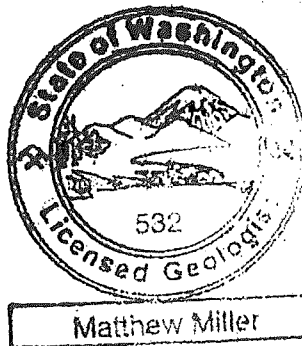
Date: June 12, 2012

Reviewed by:



Matthew Miller, LG
Project Manager

Date: June 12, 2012



Tables

Table 1	Summary of Soil Analytical Results
Table 2	Summary of Soil Analytical Results – Carcinogenic PAHs

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS

Lake Chelan Boat Company
 1418 West Woodin Ave
 Chelan, Washington

Sample I.D.	Date Sampled	Depth (feet bgs)	TPH		Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)
			Diesel (mg/kg)	Oil (mg/kg)				
EX-1-20	3/26/2012	20	<25	<50	<0.030	<0.050	<0.050	<0.20
EX-2-18	3/27/2012	18	140	<50	<0.030	<0.050	<0.050	<0.20
EX-3-18	3/27/2012	18	<25	<50	<0.030	<0.050	<0.050	<0.20
EX-4-16	3/27/2012	16	33	<50	<0.030	<0.050	<0.050	<0.20
EX-5-12	3/27/2012	12	540	<50	<0.030	<0.050	<0.050	<0.20
EX-6-12	3/27/2012	12	<25	<50	<0.030	<0.050	<0.050	<0.20
EX-7-14	3/27/2012	14	<25	<50	<0.030	<0.050	<0.050	<0.20
EX-8-16	3/27/2012	16	<25	<50	<0.030	<0.050	<0.050	<0.20
MTCA Method A Cleanup Levels:			2,000	2,000	0.03	7	6	9

Notes:

bgs = below ground surface

mg/kg = milligrams per kilogram

< = Less than reporting limit

TPH = total petroleum hydrocarbons

NA = not analyzed

TPH as diesel and oil by Method NWTPH-Dx with silica gel cleanup

BTEX - Analysis by EPA Method 8021

BOLD indicates exceedance of cleanup levels

TABLE 2
SUMMARY OF SOIL ANALYTICAL RESULTS - CARCINOGENIC PAHs
 Lake Chelan Boat Company
 1418 West Woodin Ave
 Chelan, WA

Sample ID	Date	Depth (feet bgs)	Benzo[A] Anthracene (mg/kg)	Chrysene (mg/kg)	Benzo[B] Fluoranthene (mg/kg)	Benzo[K] Fluoranthene (mg/kg)	Benzo[A] Pyrene (mg/kg)	Indeno[1,2,3-Cd] Pyrene (mg/kg)	Dibenz[A,H] Anthracene (mg/kg)	Total cPAHs
EX-1-20	3/25/2008	20	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.0000
EX-2-18	3/26/2008	18	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.0000
EX-3-18	3/26/2008	18	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.0000
EX-4-16	3/26/2008	16	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.0000
EX-5-12	3/26/2008	12	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.0000
EX-6-12	3/26/2008	12	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.0000
EX-7-14	3/26/2008	14	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.0000
EX-8-16	3/26/2008	16	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.0000
MTCA Method A Cleanup Level for Total cPAHs										0.1

Notes:

bgs = below ground surface

mg/kg = milligrams per kilogram

Bold indicates cleanup level exceedence

< = Not Detected above the Reporting Limit

PAHs = Polycyclic Aromatic Hydrocarbons, Analysis by EPA Method 8270 SIM

Figures

Figure 1	Site Location Map
Figure 2	Site Map
Figure 3	Soil Analytical Results Map – 03/26/2012 and 03/27/2012



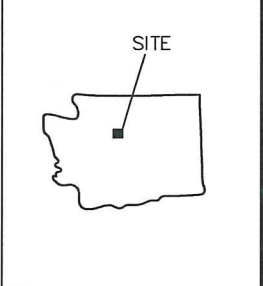
PROJECT NUMBER
STCG-422

APPROVED BY

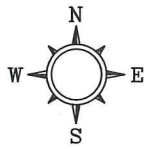
CHECKED BY

DRAWN BY
ICD
03/14/2012

0 1000 2000
SCALE IN FEET



LATITUDE 47D 50M 09S NORTH
LONGITUDE 120D 02M 16S WEST
U.S. GEOLOGICAL SURVEY-2004
7.5 MINUTE QUADRANGLE MAP
CHELAN, WASHINGTON

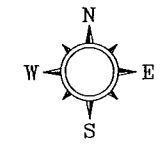
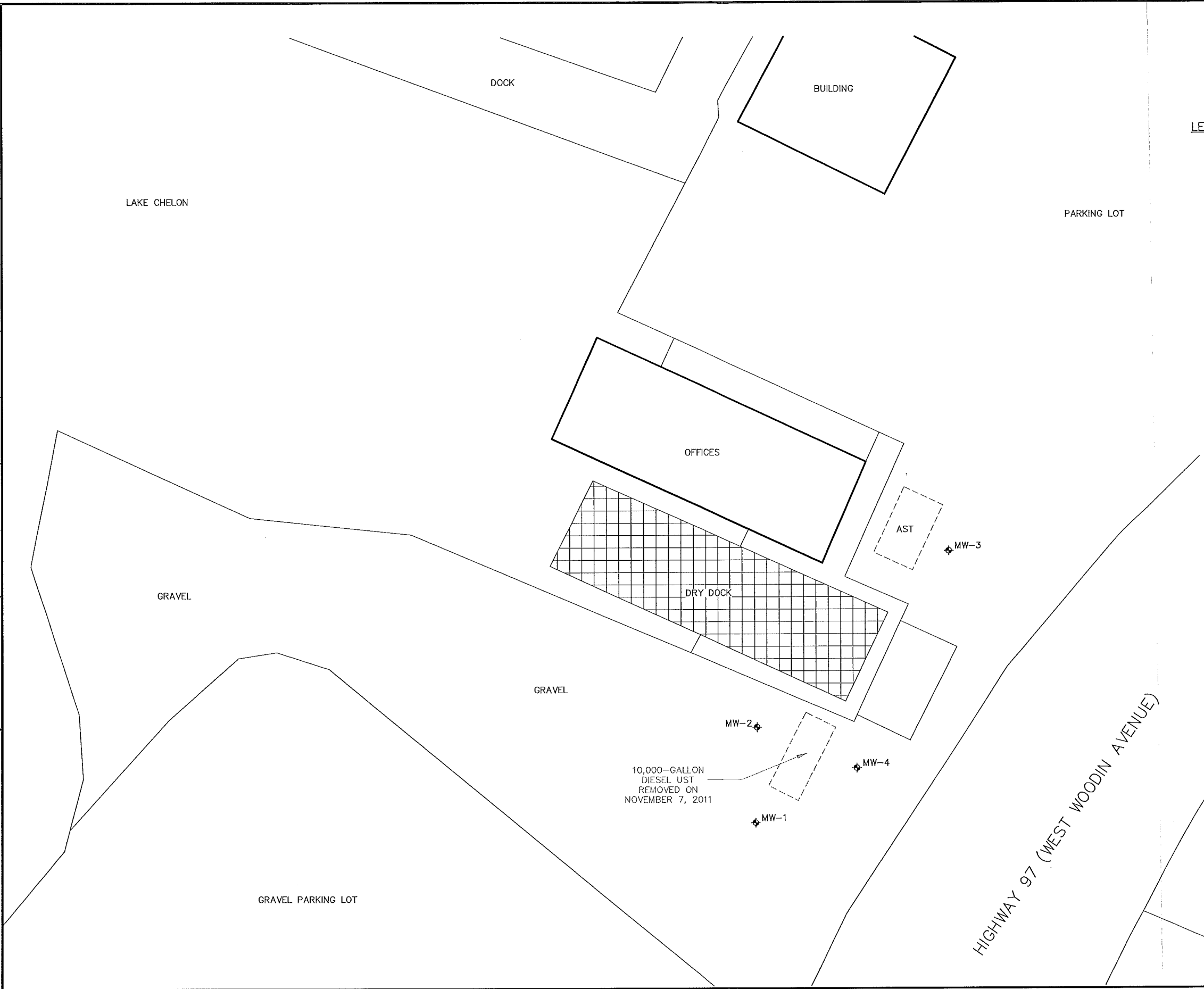


LAKE CHELAN BOAT COMPANY

FIGURE 1
SITE LOCATION MAP

1418 WEST WOODIN AVENUE
CHELAN, WASHINGTON

FILENAME: STCG-422_T201_T.DWG
 DRAWN BY: ICD
 CHECKED BY: 4/19/2012
 APPROVED BY:
 PROJECT NUMBER: STCG-422



LEGEND

MW-1 GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION

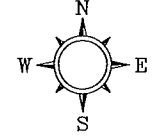
0 10 20
 APPROXIMATE SCALE IN FEET



FIGURE 2
 SITE MAP

LAKE CHELAN BOAT COMPANY
 1418 WEST WOODIN AVENUE
 CHELAN, WASHINGTON

PROJECT NUMBER STCG-422
 APPROVED BY
 CHECKED BY
 DRAWN BY JCD 4/30/2012
 FILENAME STCG-422_12q1_2_1.DWG



LEGEND

MW-1 GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION

EX-7-14 SOIL SAMPLE LOCATION AND DESIGNATION

D TPH-d - TOTAL PETROLEUM HYDROCARBONS AS DIESEL (mg/kg)

O TPH-o - TOTAL PETROLEUM HYDROCARBONS AS OIL (mg/kg)

B BENZENE (mg/kg)

T TOLUENE (mg/kg)

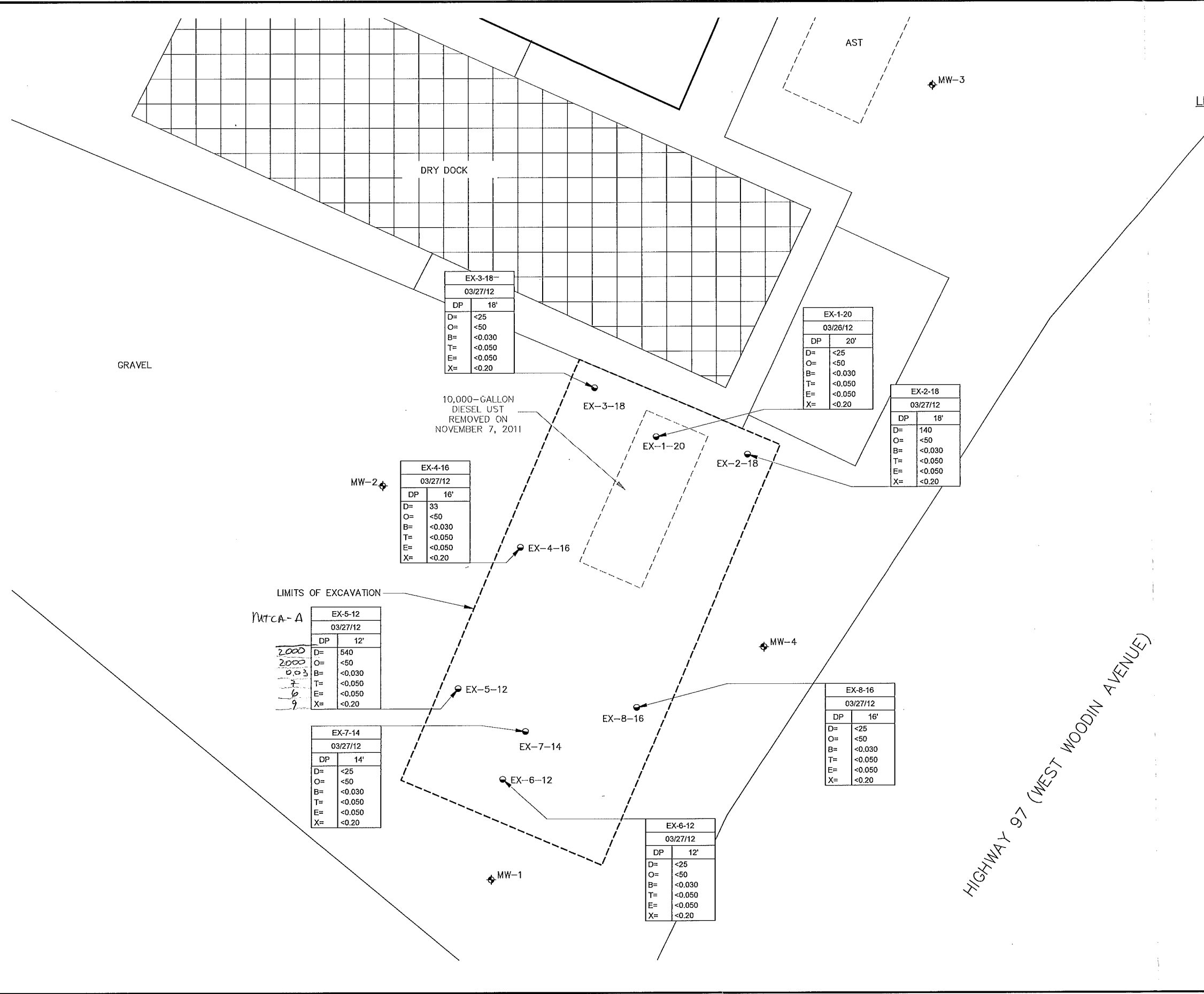
E ETHYLBENZENE (mg/kg)

X TOTAL XYLENES (mg/kg)

mg/kg MILLIGRAMS PER KILOGRAM

DP SAMPLING DEPTH (FEET)

0 5 10
 APPROXIMATE SCALE IN FEET



EX-3-18	
03/27/12	
DP	18'
D=	<25
O=	<50
B=	<0.030
T=	<0.050
E=	<0.050
X=	<0.20

EX-1-20	
03/26/12	
DP	20'
D=	<25
O=	<50
B=	<0.030
T=	<0.050
E=	<0.050
X=	<0.20

EX-2-18	
03/27/12	
DP	18'
D=	140
O=	<50
B=	<0.030
T=	<0.050
E=	<0.050
X=	<0.20

EX-4-16	
03/27/12	
DP	16'
D=	33
O=	<50
B=	<0.030
T=	<0.050
E=	<0.050
X=	<0.20

2000
2000
0.03
7
6
9

EX-5-12	
03/27/12	
DP	12'
D=	540
O=	<50
B=	<0.030
T=	<0.050
E=	<0.050
X=	<0.20

EX-7-14	
03/27/12	
DP	14'
D=	<25
O=	<50
B=	<0.030
T=	<0.050
E=	<0.050
X=	<0.20

EX-6-12	
03/27/12	
DP	12'
D=	<25
O=	<50
B=	<0.030
T=	<0.050
E=	<0.050
X=	<0.20

EX-8-16	
03/27/12	
DP	16'
D=	<25
O=	<50
B=	<0.030
T=	<0.050
E=	<0.050
X=	<0.20

LIMITS OF EXCAVATION

10,000-GALLON DIESEL UST REMOVED ON NOVEMBER 7, 2011

HIGHWAY 97 (WEST WOODIN AVENUE)



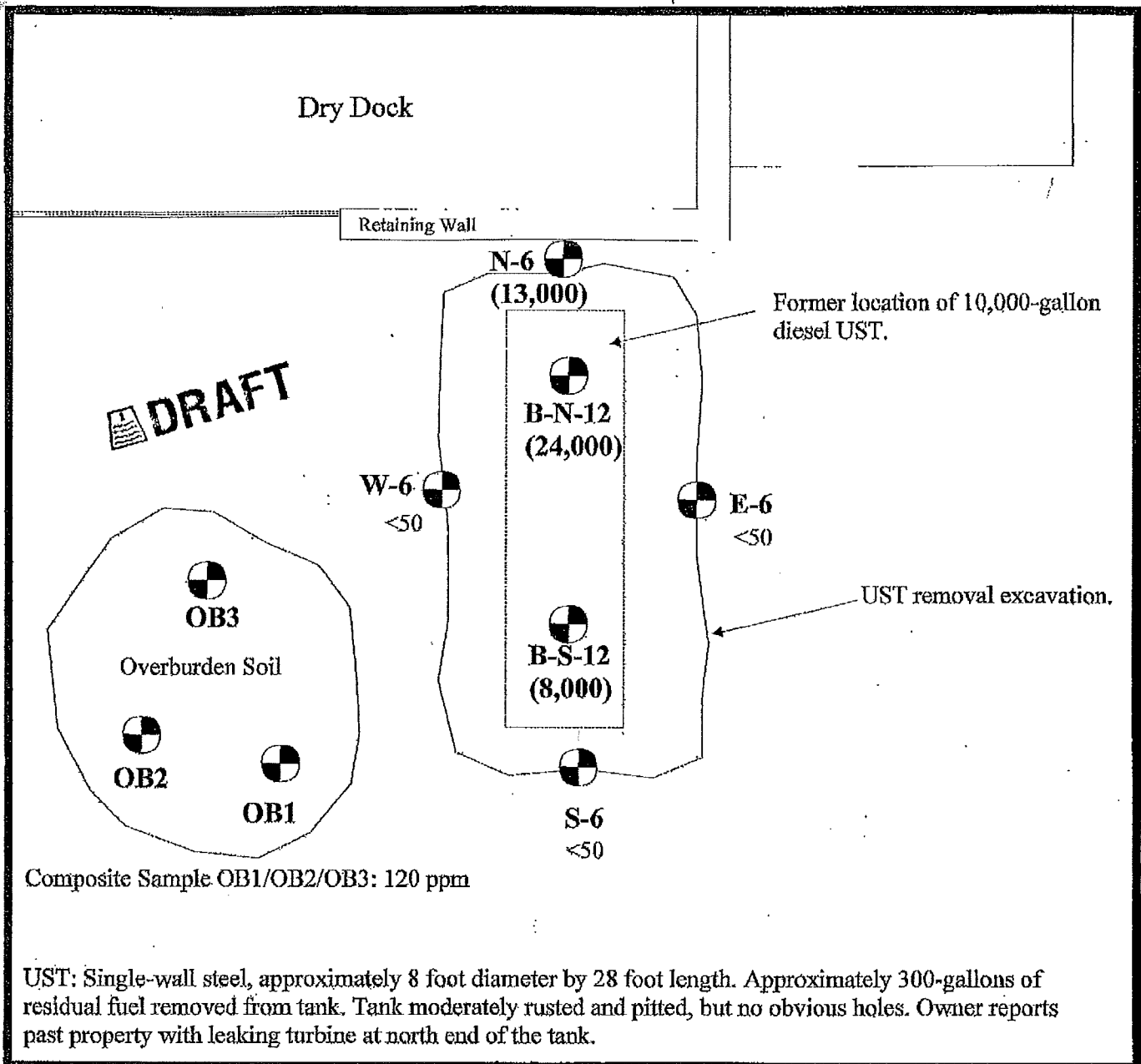
FIGURE 3

SOIL ANALYTICAL RESULTS MAP
 03/26/2012 - 03/27/2012

LAKE CHELAN BOAT COMPANY
 1418 WEST WOODIN AVENUE
 CHELAN, WASHINGTON

Appendix A

Previous Investigations



<50

Soil sample location. Concentrations of diesel are in parts per million (ppm). For reference the WDOE target compliance level for diesel in soil is 2,000 ppm.



ENVIRONMENTAL ASSOCIATES, INC.

1380 112th Avenue N.E., Ste. 300
Bellevue, Washington 98004

SAMPLING PLAN

Lake Chelan Boat Company
1418 West Woodin Avenue
Chelan, Washington

Figure 2

Job Number:

JN-31174

Date:

November 2011

Scale:

Plate:

3

Appendix B

Waste Manifest



WASTE MANAGEMENT

GREATER WENATCHEE LANDFILL
191 WEBB RD
EAST WENATCHEE, WA 98802

509-884-2802

INVOICE

RECEIVED BY:

APR 06 2012

Antea Group - Seattle, WA

Customer:
Account Number:
Invoice Date:
Invoice Number:
Due Date:
WM ezPay Account ID:

Page 1 of 5
ANTEA GROUP
740-0508340-1048-5
04/01/2012
0025785-1048-5
Due Upon Receipt
00010-70552-63001

Total Current Charges	Total Amount Due
11,693.75	11,693.75

Account Summary

Description	
Previous Balance	0.00
Total Credits and Adjustments	0.00
Total Payments Received	0.00
Total Current Charges	11,693.75
Total Amount Due	11,693.75
Total Amount Past Due	0.00

Please pay total amount due. Thank you for your business.



Service Period: MARCH 2012

Description	Amount
Landfill	11,693.75
Total Current Charges	11,693.75

Open for service on all holidays except Christmas and New Years Day.

If full payment of the invoiced amount is not received on or before the delinquent date, you will be charged a monthly late fee of 1% of the unpaid amount, with a minimum monthly charge of \$1.00, or such lesser late fee allowed under applicable law, regulation or contract. For each returned check, a fee will be assessed on your next billing equal to the maximum amount permitted by applicable state law.

Watch Waste Management in the series premiere of The Pitch. Premieres Monday April 30, 9/8c only on AMC, the network that brings you Mad Men.

Want to pay this bill on-line? Visit www.wm.com and click on My Account to make a convenient, secure payment.

Current Due	Over 30	Over 60	Over 90	Over 120	Total Due
11,693.75	0.00	0.00	0.00	0.00	11,693.75



GREATER WENATCHEE LANDFILL
191 WEBB RD
EAST WENATCHEE, WA 98802

509-884-2802

Payment Coupon

Please detach and send with checks only (no cash).
Please send all other correspondence to your local WM site.

Your Account Number

740-0508340-1048-5

Pay your WM bill online at www.wm.com. To pay by phone, call 866-964-2729.

Invoice Date

04/01/2012

Your Invoice Number

0025785-1048-5

Due Date

Upon Receipt

Total Due

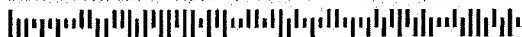
11,693.75

Amount Paid

Learn how we Think Green at www.wm.com/thinkgreen

10487400508340000257850000116937500001169375 7

0039566 01 A1 0.374 **AUTO T6 1 7093 98052-516506 -C01-1 11391191



ANTEA GROUP
4006 148TH AVE NE
REDMOND WA 98052-5165



GREATER WENATCHEE LANDFILL
PO BOX 541065
LOS ANGELES CA 90054-1065

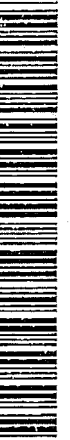
From everyday collection to environmental protection,
Think Green. Think Waste Management.

FOR CHANGE OF ADDRESS OR ANY SERVICE ISSUES CONTACT NUMBER ON PAGE 1



00010705263001

0039566-00000001-0050-C01-4



NOTICE: By sending your check, you are authorizing Waste Management to use information on your check to make a one-time electronic debit to your account at the financial institution indicated on your check. This electronic debit will be for the amount of your check and may occur as soon as the same day we receive your check. If you have questions regarding this check conversion process only, please call 866-701-0454. For any other unrelated issues, please contact the phone number listed on the front of your invoice.



GREATER WENATCHEE LANDFILL
191 WEBB RD
EAST WENATCHEE, WA 98802

Customer:
Account Number:
Invoice Date:
Invoice Number:
Due Date:
WM ezPay Account ID:

Page 3 of 5
ANTEA GROUP
740-0508340-1048-5
04/01/2012
0025785-1048-5
Due Upon Receipt
00010-70552-63001

Service Location: 740-508340 Antea Group; 4006 148th Ave NE; Redmond Wa 98052-5165						
Date	Ticket	Description	Quantity	U/M	Rate	Amount
03/22/12	657202	Vehicle#:none Po#:stcg 422 Standard waste approval \$75 Profile # 106474wa Generator lake chelan boat company Ticket Total	1.00	ECH	75.00	75.00 75.00
03/26/12	657326	Vehicle#:0 Po#:stcg 422 Cont. Soil - petroleum, pmt is rgc Refuse tax Env fee \$3.51/Tn Profile # 106474wa Generator lake chelan boat company Manifest# 106474wa Ticket Total	19.11 19.11	TON TON TON	27.00 3.51	515.97 18.57 67.08 601.62
03/26/12	657327	Vehicle#:0 Po#:stcg 422 Cont. Soil - petroleum, pmt is rgc Refuse tax Env fee \$3.51/Tn Profile # 106474wa Generator lake chelan boat company Manifest# 106474wa Ticket Total	22.05 22.05	TON TON TON	27.00 3.51	595.35 21.43 77.40 694.18
03/26/12	657332	Vehicle#:007 Po#:stcg 422 Cont. Soil - petroleum, pmt is rgc Refuse tax Env fee \$3.51/Tn Profile # 106474wa Generator lake chelan boat company Manifest# 106474wa Ticket Total	29.27 29.27	TON TON TON	27.00 3.51	790.29 28.45 102.74 921.48
03/26/12	657336	Vehicle#:0 Po#:stcg 422 Cont. Soil - petroleum, pmt is rgc Refuse tax Env fee \$3.51/Tn Profile # 106474wa Generator lake chelan boat company Manifest# 106474wa Ticket Total	33.13 33.13	TON TON TON	27.00 3.51	894.51 32.20 116.29 1,043.00
03/26/12	657350	Vehicle#:0 Po#:stcg 422 Cont. Soil - petroleum, pmt is rgc Refuse tax Env fee \$3.51/Tn Profile # 106474wa Generator lake chelan boat company Manifest# 106474wa Ticket Total	22.05 22.05	TON TON TON	27.00 3.51	595.35 21.43 77.40 694.18

From everyday collection to environmental protection,
Think Green. Think Waste Management.

FOR CHANGE OF ADDRESS OR ANY SERVICE ISSUES CONTACT NUMBER ON PAGE 1



0039566-0000002-00

Service Location: 740-508340 Antea Group; 4006 148th Ave NE; Redmond Wa 98052-5165						
Date	Ticket	Description	Quantity	U/M	Rate	Amount
03/26/12	657357	Vehicle#:32 Po#:stcg 422 Cont. Soil - petroleum, pmt is rgc Refuse tax Env fee \$3.51/Tn Profile # 106474wa Generator lake chelan boat company Manifest# 106474wa Ticket Total	26.20 26.20	TON TON TON	27.00 3.51	707.40 25.47 91.96 824.83
03/26/12	657363	Vehicle#:007 Po#:stcg 422 Cont. Soil - petroleum, pmt is rgc Refuse tax Env fee \$3.51/Tn Profile # 106474wa Generator lake chelan boat company Manifest# 106474wa Ticket Total	30.55 30.55	TON TON TON	27.00 3.51	824.85 29.69 107.23 961.77
03/26/12	657365	Vehicle#:0 Po#:stcg 422 Cont. Soil - petroleum, pmt is rgc Refuse tax Env fee \$3.51/Tn Profile # 106474wa Generator lake chelan boat company Manifest# 106474wa Ticket Total	32.51 32.51	TON TON TON	27.00 3.51	877.77 31.60 114.11 1,023.48
03/27/12	657390	Vehicle#:32 Po#:stcg 422 Cont. Soil - petroleum, pmt is rgc Refuse tax Env fee \$3.51/Tn Profile # 106474wa Generator lake chelan boat company Manifest# 106474wa Ticket Total	24.78 24.78	TON TON TON	27.00 3.51	669.06 24.09 86.98 780.13
03/27/12	657395	Vehicle#:0 Po#:stcg 422 Cont. Soil - petroleum, pmt is rgc Refuse tax Env fee \$3.51/Tn Profile # 106474wa Generator lake chelan boat company Manifest# 106474wa Ticket Total	26.12 26.12	TON TON TON	27.00 3.51	705.24 25.39 91.68 822.31
03/27/12	657400	Vehicle#:0 Po#:stcg 422 Cont. Soil - petroleum, pmt is rgc Refuse tax Env fee \$3.51/Tn Profile # 106474wa	33.07 33.07	TON TON TON	27.00 3.51	892.89 32.14 116.08





WASTE MANAGEMENT

GREATER WENATCHEE LANDFILL
191 WEBB RD
EAST WENATCHEE, WA 98802

Customer:
Account Number:
Invoice Date:
Invoice Number:
Due Date:
WM ezPay Account ID:

Page 5 of 5
ANTEA GROUP
740-0508340-1048-5
04/01/2012
0025785-1048-5
Due Upon Receipt
00010-70552-63001

Service Location: 740-508340 Antea Group; 4006 148th Ave NE; Redmond Wa 98052-5165						
Date	Ticket	Description	Quantity	U/M	Rate	Amount
		Generator lake chelan boat company Manifest# 106474wa Ticket Total				1,041.11
03/27/12	657407	Vehicle#:007 Po#:stcg 422 Cont. Soil - petroleum, pmt is rgc Refuse tax Env fee \$3.51/Tn Profile # 106474wa Generator lake chelan boat company Manifest# 106474wa Ticket Total	24.85 24.85	TON TON	27.00 3.51	670.95 24.15 87.22 782.32
03/27/12	657425	Vehicle#:0 Po#:stcg 422 Cont. Soil - petroleum, pmt is rgc Refuse tax Env fee \$3.51/Tn Profile # 106474wa Generator lake chelan boat company Manifest# 106474wa Ticket Total	23.28 23.28	TON TON	27.00 3.51	628.56 22.63 81.71 732.90
03/27/12	657444	Vehicle#:0 Po#:stcg 422 Cont. Soil - petroleum, pmt is rgc Refuse tax Env fee \$3.51/Tn Profile # 106474wa Generator lake chelan boat company Manifest# 106474wa Ticket Total	22.09 22.09	TON TON	27.00 3.51	596.43 21.47 77.54 695.44
Total charges for service location						11,693.75
Total Current Charges						11,693.75

VENDOR CODE _____

PROJ / PHASE STCG 4222 MM.0001

GL CODE _____

APPROVED BY MATT MILLER

SIGNATURE

ENTERED BY Tammy W.

BST VOUCHER# _____ DATE _____

APPROVAL E-MAIL ATTACHED

Manager: _____

Date: 4/9/12

0039566-0000003-0059636



*Soil Over-Excavation Report
Lake Chelan Boat Company, Chelan, WA
Antea Group Project No. STCG-4222*



Appendix C

Laboratory Analytical Report and Chain of Custody Document



April 5, 2012

Mr. Matt Miller
Antea Group
4006 - 148th Ave NE
Redmond, WA 98052

Dear Mr. Miller,

On March 28th, 8 samples were received by our laboratory and assigned our laboratory project number EV12030141. The project was identified as your STCG-4222.0001 MM. 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

CLIENT:	Antea Group 4006 - 148th Ave NE Redmond, WA 98052	DATE:	4/5/2012
CLIENT CONTACT:	Matt Miller	ALS JOB#:	EV12030141
CLIENT PROJECT:	STCG-4222.0001 MM	ALS SAMPLE#:	-01
CLIENT SAMPLE ID	EX-1-20	DATE RECEIVED:	3/28/2012
		COLLECTION DATE:	3/26/2012 2:30:00 PM
		WDOE ACCREDITATION:	C601

DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Benzene	EPA-8021	U	0.030	1	MG/KG	03/29/2012	DLC
Toluene	EPA-8021	U	0.050	1	MG/KG	03/29/2012	DLC
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	03/29/2012	DLC
Xylenes	EPA-8021	U	0.20	1	MG/KG	03/29/2012	DLC
TPH-Diesel Range	NWTPH-DX w/ SGA	U	25	1	MG/KG	03/29/2012	EBS
TPH-Oil Range	NWTPH-DX w/ SGA	U	50	1	MG/KG	03/29/2012	EBS
Benzo[A]Anthracene	EPA-8270 SIM	U	0.020	1	MG/KG	04/04/2012	LAP
Chrysene	EPA-8270 SIM	U	0.020	1	MG/KG	04/04/2012	LAP
Benzo[B]Fluoranthene	EPA-8270 SIM	U	0.020	1	MG/KG	04/04/2012	LAP
Benzo[K]Fluoranthene	EPA-8270 SIM	U	0.020	1	MG/KG	04/04/2012	LAP
Benzo[A]Pyrene	EPA-8270 SIM	U	0.020	1	MG/KG	04/04/2012	LAP
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	0.020	1	MG/KG	04/04/2012	LAP
benz[A,H]Anthracene	EPA-8270 SIM	U	0.020	1	MG/KG	04/04/2012	LAP

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
TFT	EPA-8021	90.1	03/29/2012	DLC
C25	NWTPH-DX w/ SGA	109	03/29/2012	EBS
Terphenyl-d14	EPA-8270 SIM	62.6	04/04/2012	LAP

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



CERTIFICATE OF ANALYSIS

CLIENT:	Antea Group	DATE:	4/5/2012
	4006 - 148th Ave NE	ALS JOB#:	EV12030141
	Redmond, WA 98052	ALS SAMPLE#:	-02
CLIENT CONTACT:	Matt Miller	DATE RECEIVED:	3/28/2012
CLIENT PROJECT:	STCG-4222.0001 MM	COLLECTION DATE:	3/27/2012 11:00:00 AM
CLIENT SAMPLE ID	EX-4-16	WDOE ACCREDITATION:	C601

DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS ANALYSIS	
						DATE	BY
Benzene	EPA-8021	U	0.030	1	MG/KG	03/29/2012	DLC
Toluene	EPA-8021	U	0.050	1	MG/KG	03/29/2012	DLC
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	03/29/2012	DLC
Xylenes	EPA-8021	U	0.20	1	MG/KG	03/29/2012	DLC
TPH-Diesel Range	NWTPH-DX w/ SGA	33	25	1	MG/KG	03/29/2012	EBS
TPH-Oil Range	NWTPH-DX w/ SGA	U	50	1	MG/KG	03/29/2012	EBS
Benzo[A]Anthracene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP
Chrysene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP
Benzo[B]Fluoranthene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP
Benzo[K]Fluoranthene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP
Benzo[A]Pyrene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP
Benzo[A,H]Anthracene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP

SURROGATE	METHOD	%REC	ANALYSIS ANALYSIS	
			DATE	BY
TFT	EPA-8021	101	03/29/2012	DLC
C25	NWTPH-DX w/ SGA	118	03/29/2012	EBS
Terphenyl-d14	EPA-8270 SIM	90.0	04/03/2012	LAP

U - Analyte analyzed for but not detected at level above reporting limit.
Chromatogram indicates that it is likely that sample contains diesel.



CERTIFICATE OF ANALYSIS

CLIENT:	Antea Group	DATE:	4/5/2012
	4006 - 148th Ave NE	ALS JOB#:	EV12030141
	Redmond, WA 98052	ALS SAMPLE#:	-03
CLIENT CONTACT:	Matt Miller	DATE RECEIVED:	3/28/2012
CLIENT PROJECT:	STCG-4222.0001 MM	COLLECTION DATE:	3/27/2012 11:10:00 AM
CLIENT SAMPLE ID	EX-5-12	WDOE ACCREDITATION:	C601

DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS ANALYSIS	
						DATE	BY
Benzene	EPA-8021	U	0.030	1	MG/KG	03/29/2012	DLC
Toluene	EPA-8021	U	0.050	1	MG/KG	03/29/2012	DLC
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	03/29/2012	DLC
Xylenes	EPA-8021	U	0.20	1	MG/KG	03/29/2012	DLC
TPH-Diesel Range	NWTPH-DX w/ SGA	540	25	1	MG/KG	03/29/2012	EBS
TPH-Oil Range	NWTPH-DX w/ SGA	U	50	1	MG/KG	03/29/2012	EBS
Benzo[A]Anthracene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP
Chrysene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP
Benzo[B]Fluoranthene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP
Benzo[K]Fluoranthene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP
Benzo[A]Pyrene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP
Benzo[A,H]Anthracene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP

SURROGATE	METHOD	%REC	ANALYSIS ANALYSIS	
			DATE	BY
TFT	EPA-8021	109	03/29/2012	DLC
C25	NWTPH-DX w/ SGA	116	03/29/2012	EBS
Terphenyl-d14	EPA-8270 SIM	64.5	04/03/2012	LAP

U - Analyte analyzed for but not detected at level above reporting limit.
 Chromatogram indicates that it is likely that sample contains weathered diesel.



CERTIFICATE OF ANALYSIS

CLIENT:	Antea Group	DATE:	4/5/2012
	4006 - 148th Ave NE	ALS JOB#:	EV12030141
	Redmond, WA 98052	ALS SAMPLE#:	-04
CLIENT CONTACT:	Matt Miller	DATE RECEIVED:	3/28/2012
CLIENT PROJECT:	STCG-4222.0001 MM	COLLECTION DATE:	3/27/2012 11:20:00 AM
CLIENT SAMPLE ID	EX-6-12	WDOE ACCREDITATION:	C601

DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS ANALYSIS	
						DATE	BY
Benzene	EPA-8021	U	0.030	1	MG/KG	03/29/2012	DLC
Toluene	EPA-8021	U	0.050	1	MG/KG	03/29/2012	DLC
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	03/29/2012	DLC
Xylenes	EPA-8021	U	0.20	1	MG/KG	03/29/2012	DLC
TPH-Diesel Range	NWTPH-DX w/ SGA	U	25	1	MG/KG	03/29/2012	EBS
TPH-Oil Range	NWTPH-DX w/ SGA	U	50	1	MG/KG	03/29/2012	EBS
Benzo[A]Anthracene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP
Chrysene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP
Benzo[B]Fluoranthene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP
Benzo[K]Fluoranthene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP
Benzo[A]Pyrene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP
enz[A,H]Anthracene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP

SURROGATE	METHOD	%REC	ANALYSIS ANALYSIS	
			DATE	BY
TFT	EPA-8021	109	03/29/2012	DLC
C25	NWTPH-DX w/ SGA	92.4	03/29/2012	EBS
Terphenyl-d14	EPA-8270 SIM	99.8	04/03/2012	LAP

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



CERTIFICATE OF ANALYSIS

CLIENT:	Antea Group 4006 - 148th Ave NE Redmond, WA 98052	DATE:	4/5/2012
CLIENT CONTACT:	Matt Miller	ALS JOB#:	EV12030141
CLIENT PROJECT:	STCG-4222.0001 MM	ALS SAMPLE#:	-05
CLIENT SAMPLE ID	EX-7-14	DATE RECEIVED:	3/28/2012
		COLLECTION DATE:	3/27/2012 11:30:00 AM
		WDOE ACCREDITATION:	C601

DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS ANALYSIS	
						DATE	BY
Benzene	EPA-8021	U	0.030	1	MG/KG	03/30/2012	DLC
Toluene	EPA-8021	U	0.050	1	MG/KG	03/30/2012	DLC
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	03/30/2012	DLC
Xylenes	EPA-8021	U	0.20	1	MG/KG	03/30/2012	DLC
TPH-Diesel Range	NWTPH-DX w/ SGA	U	25	1	MG/KG	03/29/2012	EBS
TPH-Oil Range	NWTPH-DX w/ SGA	U	50	1	MG/KG	03/29/2012	EBS
Benzo[A]Anthracene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP
Chrysene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP
Benzo[B]Fluoranthene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP
Benzo[K]Fluoranthene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP
Benzo[A]Pyrene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP
Benzo[A,H]Anthracene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP

SURROGATE	METHOD	%REC	ANALYSIS ANALYSIS	
			DATE	BY
TFT	EPA-8021	100	03/30/2012	DLC
C25	NWTPH-DX w/ SGA	92.1	03/29/2012	EBS
Terphenyl-d14	EPA-8270 SIM	103	04/03/2012	LAP

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



CERTIFICATE OF ANALYSIS

CLIENT:	Antea Group	DATE:	4/5/2012
	4006 - 148th Ave NE	ALS JOB#:	EV12030141
	Redmond, WA 98052	ALS SAMPLE#:	-06
CLIENT CONTACT:	Matt Miller	DATE RECEIVED:	3/28/2012
CLIENT PROJECT:	STCG-4222.0001 MM	COLLECTION DATE:	3/27/2012 11:40:00 AM
CLIENT SAMPLE ID	EX-8-16	WDOE ACCREDITATION:	C601

DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS ANALYSIS	
						DATE	BY
Benzene	EPA-8021	U	0.030	1	MG/KG	03/29/2012	DLC
Toluene	EPA-8021	U	0.050	1	MG/KG	03/29/2012	DLC
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	03/29/2012	DLC
Xylenes	EPA-8021	U	0.20	1	MG/KG	03/29/2012	DLC
TPH-Diesel Range	NWTPH-DX w/ SGA	U	25	1	MG/KG	03/29/2012	EBS
TPH-Oil Range	NWTPH-DX w/ SGA	U	50	1	MG/KG	03/29/2012	EBS
Benzo[A]Anthracene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP
Chrysene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP
Benzo[B]Fluoranthene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP
Benzo[K]Fluoranthene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP
Benzo[A]Pyrene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP
enz[A,H]Anthracene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP

SURROGATE	METHOD	%REC	ANALYSIS ANALYSIS	
			DATE	BY
TFT	EPA-8021	94.0	03/29/2012	DLC
C25	NWTPH-DX w/ SGA	91.7	03/29/2012	EBS
Terphenyl-d14	EPA-8270 SIM	77.6	04/03/2012	LAP

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



CERTIFICATE OF ANALYSIS

CLIENT:	Antea Group	DATE:	4/5/2012
	4006 - 148th Ave NE	ALS JOB#:	EV12030141
	Redmond, WA 98052	ALS SAMPLE#:	-07
CLIENT CONTACT:	Matt Miller	DATE RECEIVED:	3/28/2012
CLIENT PROJECT:	STCG-4222.0001 MM	COLLECTION DATE:	3/27/2012 9:00:00 AM
CLIENT SAMPLE ID	EX-2-18	WDOE ACCREDITATION:	C601

DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS ANALYSIS	
						DATE	BY
Benzene	EPA-8021	U	0.030	1	MG/KG	03/30/2012	DLC
Toluene	EPA-8021	U	0.050	1	MG/KG	03/30/2012	DLC
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	03/30/2012	DLC
Xylenes	EPA-8021	U	0.20	1	MG/KG	03/30/2012	DLC
TPH-Diesel Range	NWTPH-DX w/ SGA	140	25	1	MG/KG	03/29/2012	EBS
TPH-Oil Range	NWTPH-DX w/ SGA	U	50	1	MG/KG	03/29/2012	EBS
Benzo[A]Anthracene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP
Chrysene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP
Benzo[B]Fluoranthene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP
Benzo[K]Fluoranthene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP
Benzo[A]Pyrene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP
enz[A,H]Anthracene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP

SURROGATE	METHOD	%REC	ANALYSIS ANALYSIS	
			DATE	BY
TFT	EPA-8021	105	03/30/2012	DLC
C25	NWTPH-DX w/ SGA	96.3	03/29/2012	EBS
Terphenyl-d14	EPA-8270 SIM	84.1	04/03/2012	LAP

U - Analyte analyzed for but not detected at level above reporting limit.
Chromatogram indicates that it is likely that sample contains diesel.



CERTIFICATE OF ANALYSIS

CLIENT:	Antea Group 4006 - 148th Ave NE Redmond, WA 98052	DATE:	4/5/2012
CLIENT CONTACT:	Matt Miller	ALS JOB#:	EV12030141
CLIENT PROJECT:	STCG-4222.0001 MM	ALS SAMPLE#:	-08
CLIENT SAMPLE ID	EX-3-18	DATE RECEIVED:	3/28/2012
		COLLECTION DATE:	3/27/2012 9:05:00 AM
		WDOE ACCREDITATION:	C601

DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS ANALYSIS	
						DATE	BY
Benzene	EPA-8021	U	0.030	1	MG/KG	03/30/2012	DLC
Toluene	EPA-8021	U	0.050	1	MG/KG	03/30/2012	DLC
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	03/30/2012	DLC
Xylenes	EPA-8021	U	0.20	1	MG/KG	03/30/2012	DLC
TPH-Diesel Range	NWTPH-DX w/ SGA	U	25	1	MG/KG	03/29/2012	EBS
TPH-Oil Range	NWTPH-DX w/ SGA	U	50	1	MG/KG	03/29/2012	EBS
Benzo[A]Anthracene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP
Chrysene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP
Benzo[B]Fluoranthene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP
Benzo[K]Fluoranthene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP
Benzo[A]Pyrene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP
Benzo[A,H]Anthracene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP

SURROGATE	METHOD	%REC	ANALYSIS ANALYSIS	
			DATE	BY
TFT	EPA-8021	104	03/30/2012	DLC
C25	NWTPH-DX w/ SGA	92.0	03/29/2012	EBS
Terphenyl-d14	EPA-8270 SIM	81.1	04/03/2012	LAP

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



CERTIFICATE OF ANALYSIS

CLIENT:	Antea Group 4006 - 148th Ave NE Redmond, WA 98052	DATE:	4/5/2012
CLIENT CONTACT:	Matt Miller	ALS SDG#:	EV12030141
CLIENT PROJECT:	STCG-4222.0001 MM	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MB-032812S - Batch 2618 - Soil by EPA-8021

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Benzene	EPA-8021	U	0.030	1	MG/KG	03/28/2012	DLC
Toluene	EPA-8021	U	0.050	1	MG/KG	03/28/2012	DLC
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	03/28/2012	DLC
Xylenes	EPA-8021	U	0.20	1	MG/KG	03/28/2012	DLC

MB-032912S - Batch 2626 - Soil by NWTPH-DX

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	03/29/2012	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	03/29/2012	EBS

MB-032912S - Batch 2645 - Soil by EPA-8270 SIM

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Naphthalene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP
Benzo[A]Anthracene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP
Chrysene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP
Benzo[B]Fluoranthene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP
Benzo[K]Fluoranthene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP
Benzo[A]Pyrene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP
Benzo[G,H,I]Perylene	EPA-8270 SIM	U	0.020	1	MG/KG	04/03/2012	LAP



CERTIFICATE OF ANALYSIS

CLIENT:	Antea Group 4006 - 148th Ave NE Redmond, WA 98052	DATE:	4/5/2012
		ALS SDG#:	EV12030141
		WDOE ACCREDITATION:	C601
CLIENT CONTACT:	Matt Miller		
CLIENT PROJECT:	STCG-4222.0001 MM		

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 2618 - Soil by EPA-8021

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Benzene - BS	EPA-8021	84.1			03/28/2012	DLC
Benzene - BSD	EPA-8021	85.6	2		03/28/2012	DLC
Toluene - BS	EPA-8021	83.1			03/28/2012	DLC
Toluene - BSD	EPA-8021	85.2	2		03/28/2012	DLC
Ethylbenzene - BS	EPA-8021	81.4			03/28/2012	DLC
Ethylbenzene - BSD	EPA-8021	82.7	2		03/28/2012	DLC
Xylenes - BS	EPA-8021	81.0			03/28/2012	DLC
Xylenes - BSD	EPA-8021	82.4	2		03/28/2012	DLC

ALS Test Batch ID: 2626 - Soil by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
n-Diesel Range - BS	NWTPH-DX	102			03/29/2012	EBS
n-Diesel Range - BSD	NWTPH-DX	104	3		03/29/2012	EBS

ALS Test Batch ID: 2645 - Soil by EPA-8270 SIM

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Naphthalene - BS	EPA-8270 SIM	84.9			03/29/2012	LAP
Naphthalene - BSD	EPA-8270 SIM	83.7	1		03/29/2012	LAP
Benzo[G,H,I]Perylene - BS	EPA-8270 SIM	89.5			03/29/2012	LAP
Benzo[G,H,I]Perylene - BSD	EPA-8270 SIM	98.2	9		03/29/2012	LAP



CERTIFICATE OF ANALYSIS

CLIENT: Antea Group DATE: 4/5/2012
4006 - 148th Ave NE ALS SDG#: EV12030141
Redmond, WA 98052 WDOE ACCREDITATION: C601
CLIENT CONTACT: Matt Miller
CLIENT PROJECT: STCG-4222.0001 MM

MATRIX SPIKE RESULTS

ALS Test Batch ID: 2626 - Soil by NWTPH-DX

Parent Sample:

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range - MS	NWTPH-DX	104			03/29/2012	EBS

APPROVED BY

Laboratory Director

