

**RECEIVED**

By Alameda County Environmental Health at 4:14 pm, Dec 23, 2013

December 20, 2013

Ms. Karel Detterman  
Alameda County Environmental Health  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502

**Subject: Perjury Statement and Report Transmittal**  
1600 Park Street (Parcel A)  
Alameda, California 94501  
AEI Project No. 298931  
ACEH RO#00003112

Dear Ms. Detterman:

I declare under penalty of perjury, that the information and/or recommendations contained in the attached report for the above-referenced site are true and correct to the best of my knowledge.

If you have any questions or need additional information, please do not hesitate to call me or Mr. Peter McIntyre at AEI Consultants, (925) 746-6004.

Sincerely,



John Buestad  
President

JB/pm

Attachment: AEI Consultants, *Underground Storage Tank Removal Reportt*

cc: Mr. Peter McIntyre, AEI Consultants, 2500 Camino Diablo, Walnut Creek, CA 94597



# AEI Consultants

Environmental & Engineering Services

December 20, 2013

## UNDERGROUND STORAGE TANK REMOVAL REPORT

**Property Identification:**

1600 Park Street – Parcel A  
Alameda, CA 94501

ACEH Fuel Leak Case No. RO#00003112  
AEI Project No. 324771

**Prepared for:**

John Buestad  
Foley Street Investments, LLC  
2533 Clement Avenue  
Alameda, CA 94501

**Prepared by:**

AEI Consultants  
2500 Camino Diablo  
Walnut Creek, California 94597  
(925) 746-6000

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# TABLE OF CONTENTS

<b>INTRODUCTION .....</b>	<b>1</b>
<b>PERMITS.....</b>	<b>1</b>
<b>MOBILIZATION, EXCAVATION, AND REMOVAL .....</b>	<b>2</b>
<b>SAMPLING AND ANALYSIS.....</b>	<b>3</b>
<b>SUMMARY.....</b>	<b>4</b>
<b>REPORT LIMITATIONS AND SIGNATURES.....</b>	<b>5</b>

## FIGURES

<i>FIGURE 1</i>	<i>SITE LOCATION MAP</i>
<i>FIGURE 2</i>	<i>SITE PLAN</i>

## TABLES

<i>TABLE 1</i>	<i>SOIL SAMPLE ANALYTICAL DATA – HYDROCARBONS</i>
<i>TABLE 2</i>	<i>SOIL SAMPLE ANALYTICAL DATA – VOCs &amp; SVOCs</i>
<i>TABLE 3</i>	<i>SOIL SAMPLE ANALYTICAL DATA – LUFT 5 METALS</i>

## APPENDICES

<i>APPENDIX A</i>	<i>PERMITTING DOCUMENTS</i>
<i>APPENDIX B</i>	<i>TRANSPORT AND DISPOSAL DOCUMENTS</i>
<i>APPENDIX C</i>	<i>ANALYTICAL DOCUMENTATION</i>
<i>APPENDIX D</i>	<i>UNAUTHORIZED RELEASE FORM</i>



December 20, 2013

John Buestad  
Foley Street Investments, LLC  
2533 Clement Avenue  
Alameda, CA 94501

**Subject:     Underground Storage Tanks Removal Report**  
1600 Park Street – Parcel A  
Alameda, CA 94501  
AEI Project No. 324771

Dear Mr. Buestad:

### **INTRODUCTION**

AEI Consultants (AEI) has prepared this report to document the underground storage tank (UST) removal activities performed at 1630 Park Street, Alameda, California (hereinafter referred to as the "site", see Figure 1: Site location Map). The site is located in a mixed commercial and residential area of Alameda County. The 1.46 acre property is bound by Park Street to the northwest, 1650 Park Street to the northeast, Foley Street to the southeast, and Tilden Way to the southeast.

On October 22, 2013, the general contractor for an ongoing development project discovered one (1) 400-gallon and one (1) 600-gallon UST adjacent to each other on site while undergoing grading activities (Figure 2: Site Plan). The tops of the USTs were exposed and remained in ground while the proper procedures were followed to obtain the necessary UST removal permits from the Alameda County Environmental Health Department (ACEH) and the City Alameda Fire Department (AFD).

AEI was contracted to obtain the necessary permits, remove and dispose of the USTs, and perform confirmation soil sampling and analysis.

### **PERMITS**

UST removal permits were obtained from the ACEH and the AFD on October 28, 2013, per approval No. F13-0093. Copies of the permits are available in Appendix A: Permitting Documents. Inspector Steven Plunkett of the ACEH and Ken Jeffery of the City of Alameda Fire Department (CAFD) supervised the removal activities on October 29, 2013.

## **MOBILIZATION, EXCAVATION, AND REMOVAL**

On October 22, 2013, during construction grading activities, the two (2) previously unknown USTs were discovered by the general contractor. The grading depth was approximately 4 feet below ground surface (bgs) which is the depth that the top of the USTs were encountered. Upon examination of the USTs it appeared that the tanks had previously been closed in-place by filling them with a sand slurry material.

On October 29, 2013, after receipt of the permit approval, AEI mobilized on site to conduct UST removal activities. Prior to the initiation of work, AEI field staff was briefed and the Site Health and Safety Plan was reviewed and remained on site during the duration of the field work.

Under the supervision of Ken Jeffery and Steven Plunkett, the tops of the USTs were removed by use of a non-sparking rivet buster in order to expose the hardened slurry material within. A minor amount of water which had accumulated at the top of the 600-gallon UST was pumped out by Excel Environmental Services, Inc. of Tracy, California, into a licensed hazardous waste hauling vacuum truck. Once drained of the water, the hardened slurry material within the tanks was broken up by use of an excavator with a breaker attachment.

The slurry material was removed from the tanks, loaded onto a dump truck and stockpiled at a designated location at the northern end of the property. The material was stockpiled on visqueen, covered with visqueen, and surrounded by straw wattles. Soil surrounding the two USTs was excavated to remove the USTs from the ground. The soil was directly loaded onto a dump truck and stockpile at the designated location adjacent to the slurry material stockpile. The soil was stockpiled on visqueen, covered with visqueen, and surrounded by straw wattles.

The USTs, which were in poor condition with several pin holes, were removed from the excavation, placed on plastic sheeting, and triple rinsed with a degreasing agent. In accordance with California Code of Regulation, Title 22, Section 67383, under the supervision of Steven Plunkett with ACEH, the USTs were certified as clean and cut on site.

Excel Environmental pumped a combined 20 gallons of water from the top of the 600-gallon UST and rinsing activities from both the USTs. The waste water was transported under Non-RCRA hazardous waste manifest to Riverbank Oil Transfer in Riverbank, California where it was disposed of properly. The Non-RCRA hazardous waste manifest is included in Appendix B: Transportation and Disposal Documents. Once certified as clean, the USTs were cut into manageable pieces loaded onto a truck and transported to Sims Metal Management in Richmond, California, where the tanks were recycled as scrap metal.

Upon removal of the USTs, AEI continued to excavate to 2 feet beneath each UST, where confirmation soil samples were collected from the center-point of each UST. Significant blue/green stained soil and petroleum odors were encountered at two feet beneath each UST, approximately 9 feet bgs. AEI continued to excavate soil to a depth of approximately 12 feet bgs beneath the 400-gallon UST in order to find the vertical extent of the impacted soil. The excavated material was stockpiled with the other soil already removed at the designated location on site. Stained soil and petroleum odors continued to the depth of 12 feet bgs where

the stained soil changed to a light brown color and a Photo Ionization Detector (PID) indicated volatile gas concentrations less than 10 parts per million (ppm). An additional soil sample was collected from beneath the 400-gallon UST at a depth of 12 feet bgs.

The excavation area was then secured while awaiting confirmation soil sample results and direction from the client and lead agency on how to proceed with the necessary actions in order to remove the impacted soil from the area of concern. The Hazardous Waste Tank Closure Certification and other transportation and disposal documents are included as Appendix B: Transportation and Disposal Documentation.

## **SAMPLING AND ANALYSIS**

On October 29, 2013 one (1) confirmation soil sample was collected from 2 feet beneath the center of each UST at an approximate depth of 9 feet bgs. Additionally one (1) soil samples was collected at 12 feet bgs beneath the 400-gallon UST where PID readings indicated a significant decrease in volatile gas concentrations. Samples were collected under the supervision of Steven Plunkett of the ACEH Department. A Three (3) four-point composite soil samples were collected from the stockpile material for waste profiling purposes.

Confirmation soil samples were analyzed for the following:

- TPH as gasoline, diesel, and motor oil (TPH-Multi-Range) By EPA Method 8015
- Volatile Organic Compounds (VOCs) by EPA Method 8260
- Semi-Volatile Organic Compounds (SVOCs) by EPA Method 8270
- Leaking Underground Fuel Tank (LUFT 5 Metals) by EPA Method 6020
- Oil and Grease (O&G) by EPA Method 9071

Composite soil samples were analyzed for the following:

- TPH-Multi-Range by EPA Method 8015
- VOCs by EPA Method 8260
- SVOCs by EPA Method 8270
- Heavy Metals (CAM 17 Metals) by EPA Method 6010
- O&G by EPA Method 9071

All soil samples were collected in 3-inch stainless steel tubes which were sealed with Teflon tape and plastic caps. The samples were entered into a Chain of Custody and immediately placed into a cooler with ice. The samples were transported to McCampbell Analytical, Inc. (State Certification #1644) of Pittsburg, CA for analysis.

The selection of the analyses was directed by ACEH Department for USTs in which the former contents are unknown. The analytical results are summarized in Tables 1 through 3 and analytical laboratory reports are included in Appendix C: Analytical Documentation.

Both confirmation samples collected 2 feet beneath the USTs indicated TPH-g, TPH-d, and VOCs impact to the soil, while sample Tank-A-12' indicated no impacts to the soil at a depth of 12 feet bgs. As a result of the analytical data indicating impacts to the soil beneath both USTs, it was later agreed between the owner and ACEH that over-excavation of contaminated soil beneath the USTs would be an appropriate response action. Stockpiled soil from the UST removal activities remained onsite pending the completion of the over-excavation activities. The soil was then removed along with over-excavation activities and disposal and backfill documentation will be provided under separate cover with the results of the source removal activities.

## **Summary**

On October 22, 2013, the general contractor discovered one 400-gallon and one 600-gallon USTs on site while undergoing grading activities. The USTs were exposed and remained in the excavation so that the proper permitting procedures could be followed prior to the UST removals.

On October 28, 2013, a UST removal permit, Permit No. F13-0093, was obtained from the ACEH and the City of Alameda Fire Department.

On October 29, 2013, AEI mobilized on site to conduct UST removal activities under the supervision of Steven Plunkett of the ACEH and Ken Jeffery of the CAFD. The top of the USTs were removed using a non-sparking rivet buster. Material within the USTs and soil around the USTs were removed and stockpiled in designated areas. The USTs were removed from the excavation, triple rinsed with degreasing agent, and certified as clean. The UST were cut into manageable pieces and transported to Sim's Metal Management in Richmond, CA where the USTs were recycled as strap metal.

One (1) confirmation soil sample was collected from two (2) feet beneath the center of each UST and one (1) sample was collected from 12 feet bgs beneath the 400-gallon UST. Three (3) four-point composite soil samples were collected from the stockpiled soil. Confirmation soil samples were analyzed for TPH-Multi-Range (8015), VOCs (8260), SVOCs (8270), LUFT 5 Metals (6020), and O&G (9071). Stockpile samples were analyzed for TPH-Multi-Range (8015), VOCs (8260), SVOCs (8270), CAM 17 Metals (6010), and O&G (9071).

Analytical soil data indicated hydrocarbon impacts the soil beneath both USTs at approximately 9 feet bgs; however sample, Tank-A-12', collected at a depth 12 feet bgs indicated no impacts to the soil. Based on the presence of hydrocarbons in the soil, an unauthorized release form has been prepared and is included in Appendix D: Unauthorized Release Form.

Based on the analytical results and field observations during the UST removals, it was agreed between ACEH and the owner that over-excavation to remove hydrocarbon impacted soil would be an appropriate response action. The additional soil excavation work was conducted between October 31, 2013 through November 6, 2013. The results of that action, along with the soil disposal documentation, will be reported under separate cover.

## REPORT LIMITATIONS AND SIGNATURES

This report presents a summary of work completed by AEI, including observations and descriptions of site conditions. Where appropriate, it includes analytical results for samples taken during the course of the work. The number and location of samples are chosen to provide information, but it cannot be assumed that they are entirely representative of all areas not sampled. All conclusions and recommendations are based on these analyses and observations. Conclusions beyond those stated and reported herein should not be inferred from this document.

These services were performed in accordance with generally accepted practices in the environmental engineering and construction field that existed at the time and location of the work. If you have any questions regarding this report, we can be reached at (925) 746-6000.

Sincerely,  
**AEI Consultants**

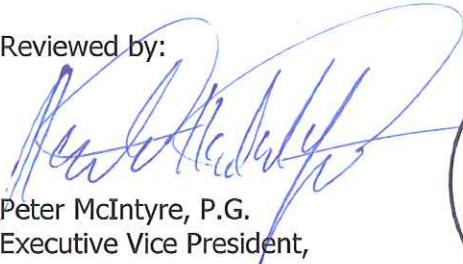


Andrew Wallace  
Project Manager, Construction

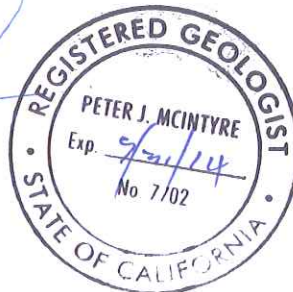


Jeremy Smith  
Senior Project Manager

Reviewed by:



Peter McIntyre, P.G.  
Executive Vice President,  
Principal Geologist

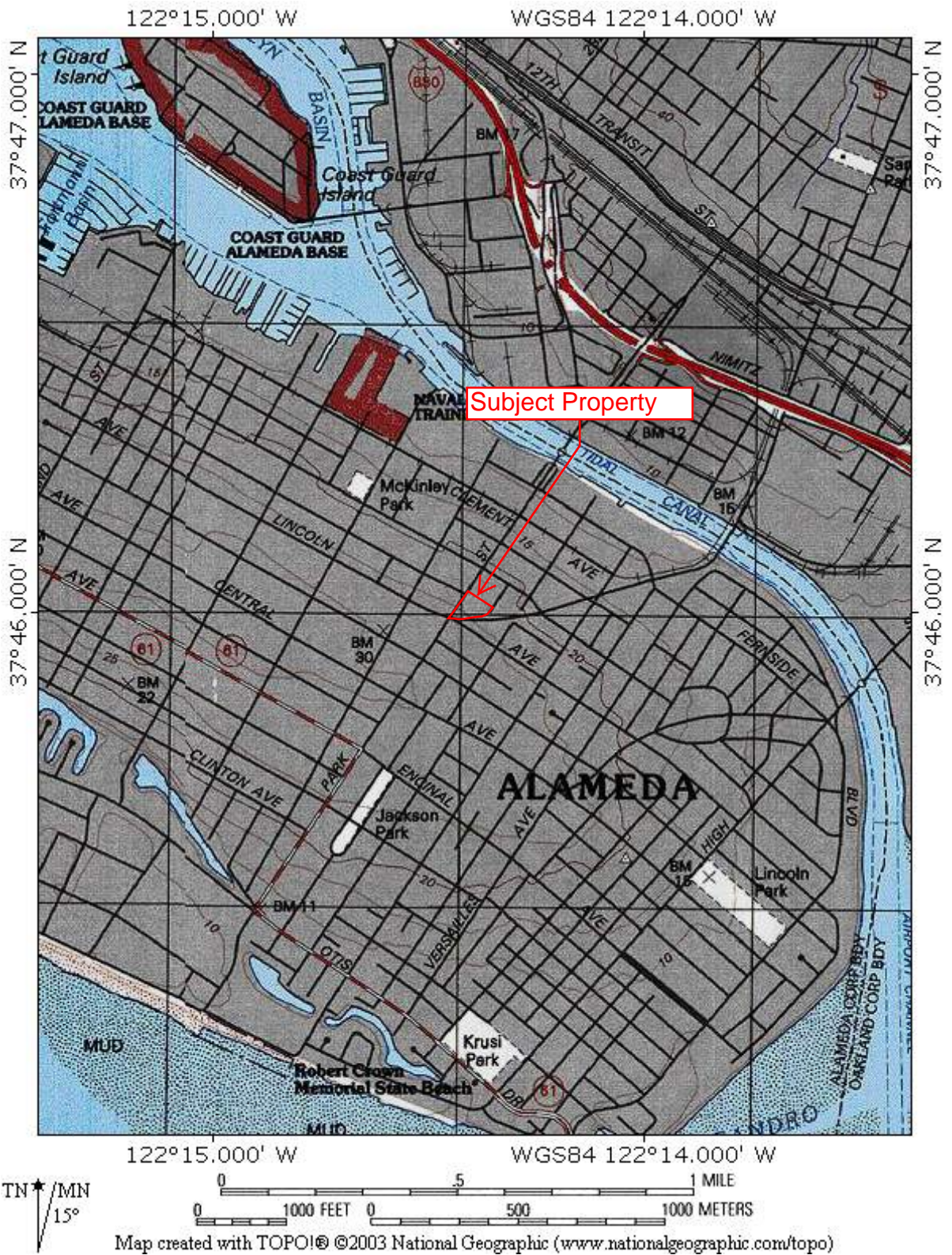


### Report Distribution

John Buestad, Foley Street Investments, LLC, (electronic copy)  
Ken Jeffery, Alameda Fire Department, 2263 Santa Clara Ave. #190, Alameda, CA 94501  
Steven Plunkett, ACEH (electronic upload)  
Karel Detterman, ACEH (electronic upload)



## Figures



## SITE LOCATION MAP

1600-1650 Park Street

Alameda, California 94501

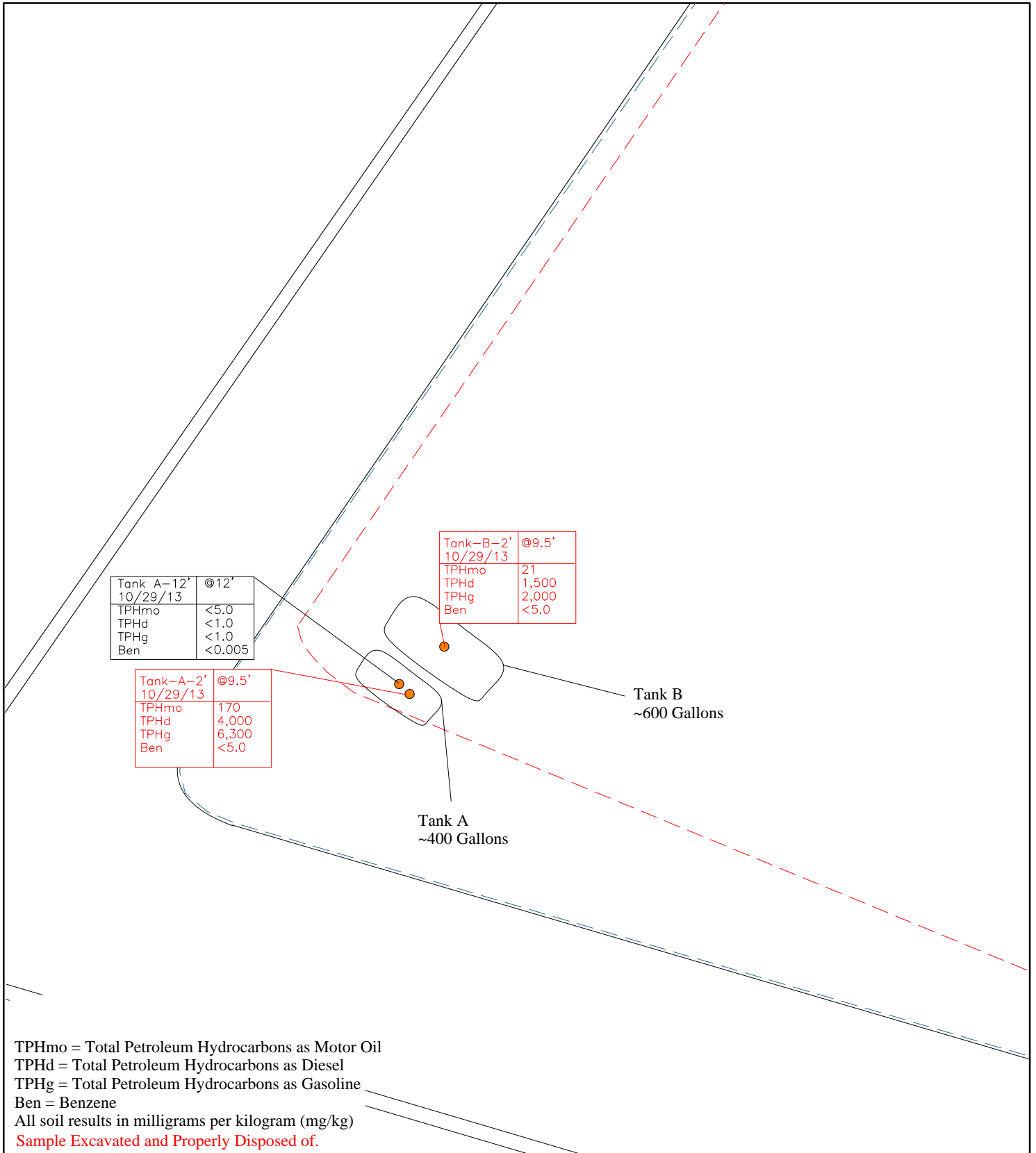


Source: USGS

FIGURE 1

Project Number: 298931

**AEI**  
Consultants



<p>0 5 10 Scale: 1" = 10'</p>	<p><b>LEGEND</b></p> <ul style="list-style-type: none"> <li><span style="color: orange;">●</span> Grab Soil Sample</li> <li> USTs (Removed 10/29/13)</li> <li> Property Line</li> <li> Proposed Buildings</li> </ul>	<p>DRAFTED BY JAS 3-9-12 REVISED BY JAS 12-12-13</p>	
		<p><b>AEI CONSULTANTS</b> 2500 CAMINO DIABLO, WALNUT CREEK</p>	
<p><b>SITE PLAN</b></p>		<p>1600 PARK STREET ALAMEDA, CALIFORNIA</p>	<p><b>FIGURE 2</b> PROJECT NO. 324771</p>

## **Tables**

**Table 1**  
**Soil Sample Analytical Data - Hydrocarbons**  
**1600 Park Street, Alameda, CA**

Sample ID	Date	Depth (feet bgs)	TPHd mg/Kg	TPHg mg/Kg	TPHmo mg/Kg	MTBE mg/Kg	Benzene mg/Kg	Toluene mg/Kg	Ethylbenzene mg/Kg	Total Xylenes mg/Kg
Tank-A-2'	10/29/2013	9.5	<b>4,000</b>	<b>6,300</b>	170	<5.0	<5.0	<5.0	<b>28</b>	<b>12</b>
Tank-A-12'	10/29/2013	12.0	<1.0	<1.0	<5.0	<0.005	<0.005	<0.005	<0.005	<0.005
Tank-B-2'	10/29/2013	9.5	<b>1,500</b>	<b>2,000</b>	21	<5.0	<5.0	<5.0	<5.0	<5.0
ESL (Shallow Soil)	-	-	500	500	2,500	0.023	0.044	2.9	3.3	2.3
ESL (Deep Soil)	-	-	530	580	5,000	0.023	0.044	2.9	3.3	2.3

Notes:

mg/kg = milligrams per kilogram

bgs= below ground surface

ESL (Shallow Soil)= < 3 meters bgs, Commercial Land Use, groundwater is a current or potential drinking water source. From Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater - California RWQCB San Francisco Bay Region (Revised 2013)

ESL (Deep Soil)= > 3 meters bgs, Commercial Land Use, groundwater is a current or potential drinking water source. From Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater - California RWQCB Bay Region (Revised 2013)

RWQCB= Region Water Quality Control Board

TPHg= total petroleum hydrocarbons as gas analyzed using EPA Method 8015B

TPHd= total petroleum hydrocarbons as diesel analyzed using EPA Method 8015B

TPHmo= total petroleum hydrocarbon as motor oil analyzed using EPA Method 8015B

MTBE = Methyl-tert-butyl ether analyzed using EPA Method 8260B

Benzene analyzed using EPA Method 8260B

Toluene analyzed using EPA Method 8260B

Ethylbenzene analyzed using EPA Method 8260B

Total Xylenes analyzed using EPA Method 8260B

< = below method detection limit

-' = not analyzed/applicable

**Bold**= Exceeds Environmental Screening Level (ESL)

**Table 2**  
**Soil Sample Analytical Data - VOCs & SVOCs**  
**1600 Park Street, Alameda, CA**

Sample ID	Date	Depth (feet bgs)	n-Butyl benzene	Isopropylbenzene	Naphthalene	n-Propyl benzene	1,3,5-TMB	Remaining	Naphthalene	2-Methylnaphthalene	Remaining
			mg/Kg	mg/Kg	mg/Kg EPA Method 8260B	mg/Kg	mg/Kg	mg/Kg	VOCs	mg/Kg	mg/Kg EPA Method 8270B
Tank-A-2'	10/29/2013	9.5	14	8.1	<b>36</b>	20	8.1	<RL	<b>19</b>	<b>6.0</b>	<RL
Tank-A-12'	10/29/2013	12.0	<0.005	<0.005	<0.005	<0.005	<0.005	<RL	-	-	-
Tank-B-2'	10/29/2013	9.5	6.8	<5.0	<b>8.2</b>	<5.0	<5.0	<RL	<2.5	<b>1.8</b>	<RL
ESL (Shallow Soil)	-	-	-	-	1.2	-	-	varies	1.2	0.25	varies
ESL (Deep Soil)	-	-	-	-	1.2	-	-	varies	1.2	0.25	varies

Notes:

mg/kg = milligrams per kilogram

bgs= below ground surface

RL= laboratory reporting limit

ESL (Shallow Soil)= < 3 meters bgs, Commercial Land Use, groundwater is a current or potential drinking water source. From Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater - California RWQCB San Francisco Bay Region (Revised 2013)

ESL (Deep Soil)= > 3 meters bgs, Commercial Land Use, groundwater is a current or potential drinking water source. From Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater - California RWQCB Bay Region (Revised 2013)

RWQCB= Region Water Quality Control Board

1,3,5-TMB = 1,3,5- Trimethylbenzene analyzed using EPA Method 8260B

Naphthalene analyzed using EPA Method 8270B

VOCs= volatile organic compounds analyzed using EPA Method 8260B

SVOCs= semi-volatile organic compounds analyzed using EPA Method 8270B

< = below method detection limit

'-' = not analyzed/applicable

**Table 3**  
**Soil Sample Analytical Data - LUFT 5 Metals**  
**1600 Park Street, Alameda, CA**

<b>Sample ID</b>	<b>Date</b>	<b>Depth (feet bgs)</b>	<b>Cadmium mg/Kg</b>	<b>Chromium mg/Kg</b>	<b>Lead mg/Kg</b>	<b>Nickel mg/Kg</b>	<b>Zinc mg/Kg</b>
Tank-A-2'	10/29/2013	9.5	<0.25	37	22	34	21
Tank-B-2'	10/29/2013	9.5	<0.25	38	12	26	16
ESL (Shallow Soil)	-	-	12	-	320	150	600

Notes:

mg/kg = milligrams per kilogram

bgs= below ground surface

ESL (Shallow Soil)= < 3 meters bgs, Commercial Land Use, groundwater is a current or potential drinking water source. From Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater - California RWQCB San Francisco Bay Region (Revised 2013)

RWQCB= Region Water Quality Control Board

Cadmium analyzed using EPA Method 6020

Chromium analyzed using EPA Method 6020

Lead analyzed using EPA Method 6020

Nickel analyzed using EPA Method 6020

Zinc analyzed using EPA Method 6020

< = below reporting limit

'-' = not analyzed/applicable

**Appendix A**  
**Permitting Documents**



ALAMEDA COUNTY  
DEPARTMENT OF ENVIRONMENTAL HEALTH  
1131 HARBOR BAY PARKWAY  
ALAMEDA, CA 94502-6577  
PHONE (510) 567-6700



**Alameda Fire Dept. Preliminary Approval!**  
SYSTEM IS SUBJECT TO FINAL APPROVAL UPON FIELD TEST, TEST  
AND INSPECTION AFTER COMPLETION OF INSTALLATION.

BY K Jeffrey DATE 10/29/13

**UNDERGROUND STORAGE TANK CLOSURE PLAN**

**\*\*\* Complete closure plan according to instructions \*\*\***

- Name of Business Foley Street Investments, LLC  
Business Owner or Contact Person (PRINT) John Buestad
- Site Address 160-1630 Park Street  
City, State Alameda, CA Zip 94501 Phone 510.523.1925
- Mailing Address 2533 Clement Avenue  
City, State Alameda, CA Zip 94501 Phone 510.523.1925
- Property Owner Foley Street Investments, LLC  
Business Name (if applicable) Foley Street Investments, LLC  
Address 2533 Clement Avenue  
City, State Alameda, CA Zip 94501 Phone 510.523.1925
- Generator name under which tank will be manifested  
Foley Street Investments, LLC  
EPA I.D. No. under which tank(s) will be manifested CAC002745942

**JOB SITE COPY**  
**F13-0093**



**FIRE PERMIT APPLICATION**  
 CITY OF ALAMEDA - PERMIT CENTER  
 2263 SANTA CLARA AVENUE, ROOM 190  
 ALAMEDA CA 94501  
 510-747-6800 ph 510-865-4053 fax

F13-0093

Property Owner Name Foley Street Investments, LLC  
 Address 2533 Clement Avenue  
 City Alameda State CA Zip 94501  
 Phone (510) 523-1925

PERMIT NO. \_\_\_\_\_  
 JOB ADDRESS 1630 Park Street  
 Description of Work Remove 2 Underground Storage Tanks  
 Valuation of Work \$3,500  
 Contact Name Andrew Wallace  
 Contact Phone (925) 999-2777

I hereby affirm that I am licensed under provisions of Chapter 9 commencing with Section 7000 of Division 3 of the Business and Professions Code, and my license is in full force and effect.  
 Contractor Lic. # & Class 654919 A/HAZ  
 City Business License # \_\_\_\_\_  
 Contractor Name AEI Consultants  
 Address 2500 Camino Diablo  
 City Walnut Creek State CA Zip 94597  
 Phone (925) 746-6000  
 X \_\_\_\_\_ Date 10-23-2013

PERMIT FILING FEE \_\_\_\_\_  
 COMMUNITY PLANNING FEE (.003 of valuation) 46.00  
 TECHNOLOGY FEE 18.50  
 LASERFICHE FEE 88.10  
 BUSINESS LICENSE FEE 7.84  
 MISCELLANEOUS \_\_\_\_\_  
 PLAN CHECK FEE (hour minimum and does not apply to Hazardous Material permits) \$164.00

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish or repair any structure prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to civil penalty of not more than five hundred dollars (\$500).

FIRE SPRINKLERS:  
 New > 20 heads \$342.00  
 New < 20-200 heads \$330.00 + \$1 per head  
 New > 200 heads \$493.00 + \$1 per head  
 TI < 20 heads \$171.00  
 TI 20 - 200 heads \$246.00 + \$1 per head  
 TI > 200 heads \$330.00 + \$1 per head  
 UNDERGROUND ONLY \$342.00

I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code). The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of the completion, the owner-builder will have the burden of providing that he did not build or improve for the purpose of sale.  
 I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code). The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.  
 I, am exempt under Sec \_\_\_\_\_  
 B&PC for this reason \_\_\_\_\_  
 X \_\_\_\_\_  
 Signature of Owner or Authorized Agent \_\_\_\_\_ Date \_\_\_\_\_

FIRE ALARM \$212.00 + \$4.00 per device  
 SUPPRESSION SYSTEMS:  
 FIRE STANDPIPE SYSTEM (\$342.00 plus each additional outlet \$13.00 x \_\_\_\_\_)  
 HYDRANTS (\$171.00 plus each additional hydrant \$28.00 x \_\_\_\_\_)  
 SUPPRESSION SYSTEM -- HOOD & DUCT (\$246.00)  
 SUPPRESSION SYSTEM -- AGENTS (\$330.00)

I hereby affirm under penalty of perjury one of the following declarations:  
 I have an dwelling maintain a certificate of consent to self-insure for workers compensation, as provided for by Section 3700 of the Labor Code. For the performance of the work for which this permit is issued.  
 I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

UNDERGROUND TANKS:  
 INSTALL COMMERCIAL [per tank] \$1,031.00  
 REMOVE COMMERCIAL [per tank] \$777.00 1554.00  
 INSTALL RESIDENTIAL [per tank] \$1,031.00  
 REMOVE RESIDENTIAL [per tank] \$777.00

Carrier Edgewood Partners Insurance Centers  
 Policy Number 57WEEEU6984

ABOVE GROUND TANKS:  
 INSTALL less than/equal to 2,000 gal (\$1,031.00) greater than 2,000 gallon (\$1,031.00)  
 REMOVE Residential (\$777.00) Commercial (\$777.00)  
 TANK PIPING ONLY (\$164.00)

(THIS SECTION NEED NOT BE COMPLETED IF THE PERMIT IS FOR ONE HUNDRED DOLLARS (\$100) OR LESS)  
 I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.  
 APPLICANT X AW Date 10-23-2013

BELOW REQUIRES HMMP AND SITE PLAN IF APPLICABLE:  
 HAZARDOUS MATERIALS & FEES (\$281 - \$307)  
 HIGH-PILED STORAGE (\$1,152.00)  
 MOTOR VEH DISPENSING STATIONS (\$307.00)  
 REPAIR GARAGES (\$307.00)  
 SPRAYING OR DIPPING (\$307.00)  
 CUTTING AND WELDING (\$307.00)

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS (\$100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

TOTAL 1868.44

I certify that I have read this application and state that the information given is true and correct. I agree to comply with all local ordinance and state laws relating to building construction and I make this statement under penalty of law. I hereby authorize representatives of the city/county to enter upon the above mentioned property for inspection purposes. NOTICE! This permit will expire by limitation if work is not started in 180 days or if work is abandoned for more than 180 days. Do not conceal or cover any construction until the work is inspected and the inspection is recorded on the Building Inspection Card.  
 SIGNATURE OF:  Contractor  Owner  Agent  
 X AW Date 10-23-2013

APPLICATION RECEIVED 10/28/13 SIGNED Sail Moon  
 APPROVED \_\_\_\_\_ SIGNED \_\_\_\_\_  
 ISSUED \_\_\_\_\_ SIGNED \_\_\_\_\_



BAY AREA  
AIR QUALITY  
MANAGEMENT  
DISTRICT

# COMPLIANCE & ENFORCEMENT DIVISION

Notification Form

Regulation 8  
Rule 40

## REMOVAL OF UNDERGROUND STORAGE TANKS OR TREATMENT OF CONTAMINATED SOIL

### SITE OF ACTIVITY

Site Address: 1630 Park Street	City & Zip: Alameda, 94501	Site#:
Specific Location of Project within Address:		
Owner/Operator: Foley Street Investments, LLC		

Check any that apply (400 numbers refer to regulation section requiring reporting):

- Tank Removal or Replacement (401)       Contaminated Soil Excavation and Removal (402)
- Aeration of Soil < 50 ppmw organic content, but does not meet Section 118 Exemption (403)
- Section 114 Exempt; Date Pipeline Leak **Started:** \_\_\_\_\_ Vol. Of Soil: \_\_\_\_\_ (403)
- Section 115 Exempt; Date Contamination Unrelated to UST Activities **Discovered:** \_\_\_\_\_ (405)

**If only Tank Removal is selected, attach results showing soil is not contaminated**

### CONTRACTOR INFORMATION

Name: AEI Consultants	Site Contact: Kirby Fernando	Phone: 925-746-6000
Address: 2500 Camino Diablo #200 Walnut Creek 94597		

### TANK REMOVAL (Section 401)

Scheduled Start Date: 10/29/2013	Number and Size of Tank(s): 1 - (600gal), 1 - (400gal)
Explain Methods of:	
Piping drainage or flushing (310.1)	Pump into tanker truck
Liquid and sludge removal (310.2)	Pump into tanker truck
Vapor removal (310.3)	[Check One] <input type="checkbox"/> Water Displacement <input checked="" type="checkbox"/> Vapor Freeing* <input type="checkbox"/> Ventilation*
* Emission controls required for vapor freeing or ventilation if tank size greater than 250 gallons.	
<b>COMPLETE INFORMATION BELOW OR ATTACH SAMPLE RESULTS SHOWING SOIL IS UNCONTAMINATED (310.4)</b>	

### CONTAMINATED SOIL EXCAVATION AND REMOVAL (Section 402)

Scheduled Start Date:	Scheduled Completion Date:
Purpose of Excavation: _____	
Quantity of Soil: _____	Organic Content & Type: _____
Methods used to quantify and analyze soil: _____	
Method of Stockpile Control (304-306)	
<input type="checkbox"/> Water Spray <input type="checkbox"/> Covered <input type="checkbox"/> Vapor Suppressant (List Material Used): _____	
Method of Site Closure (306)	
<input type="checkbox"/> Backfilled <input type="checkbox"/> Contaminated Soil Removed	
<input type="checkbox"/> Onsite Treatment (Describe): _____ A/C or P/O #: _____	
Loaded Trucks Covered? (306.2) <input type="checkbox"/> Yes <input type="checkbox"/> No	

### AERATION OF SOIL < 50 PPMW ORGANIC CONTENT (Section 403)

You must submit a Permit Application and Risk Screening Analysis (Forms will be sent to you)

### FOR BAAQMD USE ONLY

Fax/PM Date:	By:	Disp to I#:	Area:	Date:	By:
Inv Req Date:	By:	Fwd to Supv.	Date:	By:	

See Page Two to Complete This Form

[Press to clear form](#)

Approved 7/8/03

**OTHER PUBLIC AGENCY CONTACTED (Fire District, Hazardous Materials, City or County)?**

Agency Name: ACEH

Contact Name: Steven Plunkett

Address: 1131 Harbor Bay Parkway, Alameda, CA 94502

Phone: (510) 383-1767

**EMERGENCY REMOVAL ORDER APPLICABLE?**

Agency Name:

Contact Name:

Address:

Phone:

H:\Pub\_data\Janet\Reg 8-40\forms\notifdraft3.doc

**GENERAL INFORMATION**

- This notification form shall be used to notify the BAAQMD of any projects subject to the reporting requirements in Regulation 8, Rule 40, Sections 401 through 405. Notifications may be faxed to (415) 928-0338 or mailed to the address listed at the bottom of this form.
- An invoice for payment will be sent to the person listed under "Contractor Information" as the person responsible, unless the project is exempt from fee payment (see next item).
- See "Frequently Asked Questions" (FAQ) for definition of projects, change procedures, permit requirements, emergency conditions, project exemptions, and fee exemptions. For any questions not answered in the FAQ, contact the Compliance Assistance Counselor at (415) 749-4999.

**INSTRUCTIONS**

- **SITE OF ACTIVITY:** Give the site street address and indicate if it has any existing BAAQMD site number, for either a plant or GDF. Identify the specific project location if the site contains more than one building. Indicate all applicable activity types by checking appropriate boxes. For reporting requirements under Sections 401 through 403, additional information is required, as below.
- **CONTRACTOR INFORMATION:** Identify the contractor that is responsible for performing the work at the site location listed. This contractor is also responsible for payment of the applicable notification fee, if the project is not exempt.
- **SECTION 401 - TANK REMOVAL/REPLACEMENT:** All soils disturbed and/or excavated as part of the tank removal shall be subject to the requirements of Sections 304 through 306, unless the soil has been determined not to be contaminated by measurement of organic content using the procedures in Sections 601 and 602. Complete requirements for Section 402 or submit sample results showing that the soil is not contaminated.
- **SECTION 402 - CONTAMINATED SOIL EXCAVATION AND REMOVAL:**
  - Be as accurate as possible for the Scheduled Start and Completion Dates. Specific requirements apply for excavation projects triggered within either 45 or 90 days (Reg. 8-40-306.4) and Authority to Construct requirements for projects lasting longer than three months (Reg. 2-1-128.16).
  - If a vapor suppressant is used, attach a product data sheet or MSDS.
  - If Method of Site Closure used is Onsite Treatment, describe specific method, (e.g., bioremediation, vapor extraction, air sparging, thermal desorption, etc.).
  - If Onsite Treatment is used, indicate whether an Authority to Construct was obtained by providing the Application No. or attach copy of BAAQMD Certification of Exemption.
- **SECTION 403 - AERATION OF SOIL < 50 PPMW ORGANIC CONTENT:** Section 301 exempts from control the aeration of soil containing less than 50 ppmw of organic compounds, but Section 403 still requires reporting of ANY soil aeration. If such a project does not meet the exemption criteria of Section 118, then a Permit Application and Risk Screening Analysis must be submitted.
- **EMERGENCY REMOVAL INFORMATION (IF APPLICABLE):** The rule defines an emergency tank removal or excavation of contaminated soil as "carried out pursuant to an order of a state or local government agency issued because the contaminated soil poses an imminent threat to public health and safety." If the project(s) meet this definition, then identify the agency that issued the order. Under Section 402 requirements, on line two, identify the purpose as indicated in the order.

HAZARDOUS WASTE TANK CLOSURE CERTIFICATION

Page of

I. FACILITY IDENTIFICATION


BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) <sup>3</sup>			FACILITY ID#										1		
Foley Street Investments, LLC															
TANK OWNER NAME													740		
Foley Street Investments, LLC															
TANK OWNER ADDRESS													741		
2533 Clement Avenue															
TANK OWNER CITY							742	STATE			743	ZIP CODE			744
Alameda								CA				94501			

II. TANK CLOSURE INFORMATION

TANK INTERIOR ATMOSPHERE READINGS	Tank ID # (Attach additional copies of this page for more than three tanks)	Concentration of Flammable Vapor <i>N/A</i>			Concentration of Oxygen <i>N/A</i>		
		Top	Center	Bottom	Top	Center	Bottom
1	TANK (400 gal) <sup>745</sup>	746a	746b	746c	747a	747b	747c
2	TANK (600 gal) <sup>748</sup>	749a	749b	749c	750a	750b	750c
3		752a	752b	752c	753a	753b	753c

III. CERTIFICATION

On examination of the tank, I certify the tank is visually free from product, sludge, scale (thin, flaky residual of tank contents), rinseate and debris. I further certify that the information provided herein is true and accurate to the best of my knowledge.

SIGNATURE OF CERTIFIER		STATUS OR AFFILIATION OF CERTIFYING PERSON	
		Certifier is a representative of the CUPA, authorized agency, or LIA: <sup>760</sup>	
NAME OF CERTIFIER (Print) <sup>754</sup>		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Dusty Roy		Name of CUPA, authorized agency, or LIA: <sup>761</sup>	
TITLE OF CERTIFIER <sup>755</sup>		If certifier is other than CUPA / LIA check appropriate box below: <sup>762</sup>	
Construction Department Superintendent		<input type="checkbox"/> a. Certified Industrial Hygienist (CIH)	
ADDRESS <sup>756</sup>		<input type="checkbox"/> b. Certified Safety Professional (CSP)	
2500 Camino Diablo		<input type="checkbox"/> c. Certified Marine Chemist (CMC)	
CITY <sup>757</sup>		<input type="checkbox"/> d. Registered Environmental Health Specialist (REHS)	
Walnut Creek		<input type="checkbox"/> e. Professional Engineer (PE)	
PHONE <sup>758</sup>		<input type="checkbox"/> f. Class II Registered Environmental Assessor	
(925) 746-6000		<input checked="" type="checkbox"/> g. Contractors' State License Board licensed contractor (with hazardous substance removal certification)	
DATE <sup>759</sup>	CERTIFICATION TIME		
10/29/2013	12:05 pm		

TANK PREVIOUSLY HELD FLAMMABLE OR COMBUSTIBLE MATERIALS <sup>763</sup>	UNKNOWN
(If yes, the tank interior atmosphere shall be re-checked with a combustible gas indicator prior to work being conducted on the tank.)	<input type="checkbox"/> Yes <input type="checkbox"/> No

CERTIFIER'S TANK MANAGEMENT INSTRUCTIONS FOR SCRAP DEALER, DISPOSAL FACILITY, ETC: <sup>764</sup>	
None, Scrap metal	

A copy of this certificate shall accompany the tank to the recycling / disposal facility and be provided to the CUPA. If there is no CUPA, copies shall be submitted to the LIA and authorized agency; owner / operator of the tank system; removal contractor; and the recycling / disposal facility.

## Hazardous Waste Tank Closure Certification

Complete and submit this page prior to initiating any cleaning, cutting, dismantling, or excavation of a tank system that meets the conditions below:

- Any tank system that previously held a hazardous material or a hazardous waste, that is identified as a hazardous waste, and that is destined to be disposed, reclaimed or closed in place.
- This does not apply to tank systems regulated under a hazardous waste permit, other than permit by rule (PBR), or to tank systems regulated under a grant of interim status, nor to a tank system or any portion thereof, that meets the definition of scrap metal in 22 CCR §66260.10 and is excluded from regulation pursuant to 22 CCR §66261.6(a)(3)(B).

Refer to 22 CCR §67383.3 and 23 CCR §2672 for disposal requirements for tank systems.

(Note: the numbering of the instructions follows the data element numbers that are on the UPCF pages. These data element numbers are used for electronic submission and are the same as the numbering used in 27 CCR, Appendix C, the Business Section of the Unified Program Data Dictionary.)

Please number all pages of your submittal. This helps your CUPA or local agency identify whether the submittal is complete and if any pages are separated.

1. FACILITY ID NUMBER - Leave this blank. This number is assigned by the CUPA. This is the unique number which identifies your facility.

3. BUSINESS NAME - Enter the full legal name of the business.

740. TANK OWNER NAME - Complete items 740-744, unless all items are the same as the Business Owner information (items 111-116) on the Business Owner/Operator Identification page  
741. TANK OWNER ADDRESS - information (items 111-116) on the Business Owner/Operator Identification page  
742. TANK OWNER CITY - (OES Form 2730). If the same, write "SAME AS SITE" across this section  
743. TANK OWNER STATE  
744. TANK OWNER ZIP CODE

745. TANK ID NUMBER 1-3 - Enter up to three owner's tank ID numbers. This is a unique number used by the owner to identify the tank. If more than three tanks are being closed, complete additional copies of this page. (Enter additional tank numbers in 748 and 751.)

746. CONCENTRATION OF FLAMMABLE VAPOR 1-3 - Enter three interior flammable vapor levels for each tank being closed, taken at the top, center, and bottom of the tank. (For more than one tank, enter additional tank readings in 749 and 752.)

747. CONCENTRATION OF OXYGEN 1-3 - Enter three interior oxygen levels for each tank being closed, taken at the top, center, and bottom of the tank. (For more than one tank, enter additional tank readings in 750 and 753).

SIGNATURE - The business owner or officer of the company who is authorized to make decisions for the facility and who has operational control, shall sign in the space provided.

754. CERTIFIER NAME - Enter the full printed name of the person signing the page.

755. CERTIFIER TITLE - Enter the title of the person signing the page.

756. CERTIFIER ADDRESS - Enter the address of the person signing the page.

757. CERTIFIER CITY - Enter the city for the signer's address.

758. CERTIFIER PHONE - Enter the phone number for the person signing the page.

759. DATE CERTIFIED - Enter the date that the document was signed. Enter the time that the readings were taken.

760. CERTIFIER REPRESENTS LOCAL AGENCY - Check "Yes" if the person certifying the tank is a representative of the CUPA, authorized agency, or LIA, check "No" if not.

761. NAME OF LOCAL AGENCY - Enter the name of the local agency represented by the person certifying the tank.

762. AFFILIATION OF CERTIFYING PERSON - Check the certification, license, or organization which the certifier holds or to which the certifying person belongs, if not a CUPA/ LIA.

763. TANK HELD FLAMMABLE OR COMBUSTIBLE MATERIALS - Check "Yes" if the tank held flammable or combustible materials, check "No" if not.

764. MANAGEMENT INSTRUCTIONS - Provide tank management instructions to the scrap dealer, disposal facility, etc., in this space.

**Appendix B**  
**Transport and Disposal Documents**

# Recology (Landfill Division) Waste Disposal Application

Date Submitted: 10/30/2013  Recology Hay Road  Recology Ostrom Road

**A. Party to be Billed:** Bradley Tanks, Inc Email Address: kgraser@btienvironmental.com

Address: 402 Hartz Ave, Building C, Danville, CA 94526

Contact: Kelly Graser Phone: 510-207-9927 Fax: 510-803-5084

**B. Generator Information:** Foley Street Investments LLC

Address: 2533 Clement Avenue, Alameda, CA 94501

Site Address (if different): 1630 Park Street, Alameda, CA 94501

County of Origin: Alameda Site within city limits? Yes  No

Contact: John Buestad Phone: 510-523-1925 Fax: \_\_\_\_\_

**C. Submitting Consultant:** Bradley Tanks, Inc

Address: 402 Hartz Ave, Building C, Danville, CA 94526

Contact: Kelly Graser Phone: 510-207-9927 Fax: 510-803-5084

**D. Transporter:** Bradley Tanks, Inc

Address: 402 Hartz Ave, Building C, Danville, CA 94526

Contact: Jessica Carr Phone: 707-548-5859 Fax: 707-317-0076

**E. Waste Description/Source:** TPH contaminated soil from tanks-fuel soil

Contaminant: Gas:  Diesel:  Waste Oil:  Metals:  Other: \_\_\_\_\_

Project/Job Name: \_\_\_\_\_ Project/Job Number: \_\_\_\_\_

Process Generating Waste/Source: Physical State: Solid: 100% Semi-Solid: \_\_\_\_\_ Powder: \_\_\_\_\_ Other: \_\_\_\_\_

Free Liquids: Yes:  No:  Water Content: \_\_\_\_\_ % Quantity: \_\_\_\_\_ Tons: \_\_\_\_\_ Yards: 500

Vehicle Type: end dumps Vehicle Capacity: 18 CY Shipping Frequency: once per (wk/mo/yr)

**F. Supplemental Information:** Certified Analytical Reports: X Chain of Custody: X QA/QC: X Facility Map: \_\_\_\_\_

- G. Generator Certification:**
1. Does this waste profile sheet and attachments contain true and accurate descriptions of the waste/material? Yes  No
  2. Has all relevant information within the possession of the generator regarding known or suspected hazards pertaining to the waste been disclosed to the facility managing the waste? Yes  No
  3. Is the analytical attached derived from testing a representative sample in accordance with 40 CFR 261? Yes  No
  4. Will all changes that occur in the character or classification of the waste be identified by the Generator and disclosed to the facility managing the waste prior to providing the material/waste to the management facility? Yes  No

I hereby certify that to the best of my knowledge and belief, the information contained herein is a true, complete and accurate description of the waste material being offered for disposal and all known or suspected hazards have been disclosed. All analytical Results/Material Safety Data Sheets submitted are truthful and complete and are representative of the waste. I further certify that by utilizing this profile, neither myself nor other employees of the company will deliver for disposal or attempt to deliver for disposal any waste which is classified as toxic waste, hazardous waste or infectious waste, decommissioned radioactive waste or any other waste material this facility is prohibited from accepting by law. I shall immediately give written notice of any change or condition pertaining to the waste not provided herein. Our company hereby agrees to fully indemnify this disposal facility against any damages resulting from this certification being inaccurate or untrue.

*Kelly Graser* *on behalf of generator* 10/30/2013  
(Signature) (Date)

**Recology reserves the right to request additional information prior to acceptance.  
To be considered for disposal, please complete this application in full.  
Please fax analyses to (707) 678-5148 for review.**

Administrative Offices • 235 North First Street • Dixon, CA 95620 • Phone: (707) 678-5692 • Fax: (707) 678-5148  
Recology Hay Road • 6426 Hay Road • Vacaville, CA 95687 • Phone: (707) 678-4718 • Fax: (707) 678-5695  
Recology Ostrom Road • 5900 Ostrom Road • Wheatland, CA 95692 • Phone: (530) 743-6321 • Fax: (530) 743-8649



<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <i>CAL002745910</i>	2. Page 1 of <i>1</i>	3. Emergency Response Phone <i>800-375-6338</i>	4. Manifest Tracking Number <i>005032443 FLE</i>		
5. Generator's Name and Mailing Address <i>2533 (1) UNIT #1 ALAMEDA CA 94501</i>				Generator's Site Address (if different than mailing address) <i>1030 YAGG AVE ALAMEDA CA 94501</i>			
Generator's Phone: <i>510-503-1905</i>		6. Transporter 1 Company Name <i>EXCEL ENVIRONMENTAL SERVICES</i>		U.S. EPA ID Number <i>CAL000005820</i>			
		7. Transporter 2 Company Name		U.S. EPA ID Number			
8. Designated Facility Name and Site Address <i>RIVERBANK OIL TRANSFER 5800 CLAUSS RD. BLDG. 11 RIVERBANK, CA 95927</i>				U.S. EPA ID Number <i>CAL000190816</i>			
Facility's Phone: <i>916-882-0181</i>							
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
		No.	Type				
1.	<i>NON-RCRA HAZARDOUS WASTE LIQUID (USED OIL &amp; WATER)</i>	<i>001</i>	<i>TT</i>	<i>20</i>	<i>g</i>	<i>221</i>	
2.							
3.							
4.							
14. Special Handling Instructions and Additional Information <i>WEAR GLOVES EPG# 171</i>							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Officer's Printed/Typed Name <i>Kathryn Muller on Behalf of Generator</i>				Signature <i>[Signature]</i>		Month Day Year <i>10 29 13</i>	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name <i>Tim Ugg</i>				Signature <i>[Signature]</i>		Month Day Year <i>10 29 13</i>	
Transporter 2 Printed/Typed Name				Signature		Month Day Year	
18. Discrepancy							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
Manifest Reference Number:						U.S. EPA ID Number	
18b. Alternate Facility (or Generator)							
Facility's Phone:						Month Day Year	
18c. Signature of Alternate Facility (or Generator)							
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1. <i>H141</i>		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name				Signature		Month Day Year	

WEIGHMASTER CERTIFICATE  
TRUCK SCALE



WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

**Ticket #: TBGHQQ**

Purchased From: CP012P  
PATRICK M MUELLER  
1966 ARDITH DR  
PLEASANT HILL, CA 94523

SHIP DATE: 10/30/13

WEIGHED AT:

12 RICHMOND, CA. RC3265  
600 S. 4TH STREET  
RICHMOND, CA 94804-3504  
510-412-5300

Control No.: 12 329874

Vehicle Tag No: 01484M1 State: CA

ID # 01484M1

SHPMNT#	COMMODITY	GROSS	TARE	NET	ADJ	REASON	PD	WT	RED	C/W	RD	EXT
TBGHQQ #1	Unprepared	14000a	13040b	960	0			960		0.0		0.00

ALL WEIGHTS ARE REPORTED IN POUNDS UNLESS OTHERWISE INDICATED. ALL NON-POUND WEIGHTS ARE ASSUMED TO BE MANUAL WEIGHTS

TOTALS		960	0	960	0			960		0.0		0.00
--------	--	-----	---	-----	---	--	--	-----	--	-----	--	------

WEIGHMASTER SIGNATURE

*Abigail Hernandez*  
(Abigail Hernandez)

GRS Date 10/30/13	METRIC TON
GRS Time 07:50	0.4354
TRE Date 10/30/13	
TRE Time 08:06	

CUSTOMER SIGNATURE

a=SCALE 1    b=SCALE 2    c=SCALE 3    d=SCALE 4    m=MANUAL WEIGHT

NOT REFUNDABLE MORE THAN 90 DAYS FROM ABOVE DATE  
RICHMOND, CA SCALE

Driver Copy

In accordance with the Clean Air Act and other applicable laws, seller must sign the Scrap Acceptance Agreement form provided at the scale at least one time every 3 years, which applies to any recyclables in the transaction which may contain or have contained refrigerants or other potential Hazardous Materials.

FOR SALVAGE VEHICLE SALES: I hereby certify, under penalty of perjury that any vehicle sold has been cleared for dismantling with the Department of Motor Vehicles.

HOLD HARMLESS AGREEMENT: Seller will indemnify and hold buyer harmless for damages, demands and liabilities, including reasonable attorney's fees, resulting from the breach of any warranty hereunder and driver agrees to be responsible for damage to vehicle during unloading.

BILL OF SALE: I warrant that I am the owner (or owner's representative) of the material described hereon and have the right to sell same, that it contains no Hazardous Material as defined in the Scrap Acceptance Agreement or otherwise by any federal or state law and that for payment hereby received, I sell and convey title to Sims Hugo Neu.

Seller certifies that all refrigerant including but not limited to Chlorofluorocarbons and Hydrochlorofluorocarbons (collectively "CFC's") Refrigerants and their substitutes as defined in section 608 of the Clean Air Act that has not leaked previously have been recovered from appliance and motor vehicles prior to delivery. I understand it is unlawful to release Freon and CFC's into the atmosphere and that any CFC's must be properly removed before appliances or motor vehicle air conditioners can be recycled. I verify that either (check one):

- (1) all CFC's previously leaked from this container, or
- (2) all CFC's were properly recovered in accordance with 40 C.F.R. Section 82.156(g) and (h) by:

El vendedor certifica que todos los refrigerantes incluyendo pero no limitado a CFC's y HCFC's Refrigerantes y sus sustitutos como se define en la sección 608 del Acta de Aire Limpio que no ha goteado previamente han sido recuperados de los electrodomésticos y automóviles antes de ser entregados.

Yo entiendo que es contra la ley liberar Freón y otros clorofluorocarbonos y hidroclorofluorocarbonos (legalmente llamados CFC's) en el aire y que todos los CFC's tienen que estar removidos apropiadamente antes de que los aparatos o aire acondicionados de los carros puedan ser reciclados. Yo verifique que (cheque uno):

- (1) todos los CFC's han sido previamente evacuados de este contenedor, o
- (2) todos los CFC's fueron recuperados en forma apropiada de acuerdo con 40 C.F.R. Sección 82.156(g) y (h) por:

Name/Nombre: \_\_\_\_\_

Address/Dirección: \_\_\_\_\_

Date/Fecha: \_\_\_\_\_

Seller Signed/Seller Firma: \_\_\_\_\_

Printed Name/Nombre: \_\_\_\_\_

Date/Fecha: \_\_\_\_\_

Seller's Warrant/Seller's Warrant: Seller warrants and represents to the Purchaser the material transferred, by the Seller to the Purchaser pursuant to this Agreement is not and does not contain a "hazardous substance" as said term is defined in the current applicable federal or state environmental laws, rules, or regulations. In the event Purchaser incurs any liability or obligation due to a breach of said warranty and representation, Seller agrees to indemnify and hold Purchaser harmless from all such liabilities and obligations. Notwithstanding the foregoing, nothing set forth herein shall constitute a waiver by Seller of any rights under the law pursuant to any written or oral agreements that it may have against any entity.

EL VENDEDOR GARANTIZA. El vendedor garantiza y representa al Comprador que el material transferido, por el Vendedor al Comprador de acuerdo a este acuerdo no es y no contiene "sustancias peligrosas" como se dijo en e termino como se define en las leyes, reglas, o regulaciones ambientales federales y estatales. En el evento que el Comprador incurra alguna responsabilidad u obligación por el rompimiento de dicha garantía y representación. El Vendedor acuerda en indemnizar y no hacer responsable al Comprador de toda dicha responsabilidad y obligación. No obstante lo precedente, nada dicho aquí constituirá una renuncia por el Vendedor de cualquier derecho bajo la ley según cualquier acuerdo escrito u oral que pueda tener en contra de cualquier entidad."

**Appendix C**  
**Analytical Documentation**



# McC Campbell Analytical, Inc.

"When Quality Counts"

## Analytical Report

**WorkOrder:** 1310934

**Report Created for:** AEI Consultants  
2500 Camino Diablo, Ste.#200  
Walnut Creek, CA 94597

**Project Contact:** Andrew Wallace

**Project P.O.:**

**Project Name:** #324771; FSI

**Project Received:** 10/29/2013

Analytical Report reviewed & approved for release on 11/01/2013 by:

*Question about  
your data?*

[Click here to email  
McC Campbell](#)

Angela Rydelius,  
Laboratory Manager

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## Glossary of Terms & Qualifier Definitions

**Client:** AEI Consultants  
**Project:** #324771; FSI  
**WorkOrder:** 1310934

<u>Glossary Abbreviation</u>	<u>Description</u>
95% Interval	95% Confident Interval
DF	Dilution Factor
DUP	Duplicate
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not detected at or above the indicated MDL or RL
NR	Analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix; or sample diluted due to high matrix or analyte content.
RD	Relative Difference
RL	Reporting Limit
RPD	Relative Percent Deviation
SPK Val	Spike Value
SPKRef Val	Spike Reference Value

### Analytical Qualifier

d7	strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram
d9	no recognizable pattern
e11	stoddard solvent/mineral spirit (?)



# Analytical Report

**Client:** AEI Consultants  
**Project:** #324771; FSI  
**Date Received:** 10/29/13 16:07  
**Date Prepared:** 10/29/13

**WorkOrder:** 1310934  
**Extraction Method:** SW5030B  
**Analytical Method:** SW8260B  
**Unit:** mg/kg

## Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
Tank-A-2'	1310934-001A	Soil	10/29/2013 11:10	GC18	83423
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Acetone	ND		100	1000	10/29/2013 19:40
tert-Amyl methyl ether (TAME)	ND		5.0	1000	10/29/2013 19:40
Benzene	ND		5.0	1000	10/29/2013 19:40
Bromobenzene	ND		5.0	1000	10/29/2013 19:40
Bromochloromethane	ND		5.0	1000	10/29/2013 19:40
Bromodichloromethane	ND		5.0	1000	10/29/2013 19:40
Bromoform	ND		5.0	1000	10/29/2013 19:40
Bromomethane	ND		5.0	1000	10/29/2013 19:40
2-Butanone (MEK)	ND		20	1000	10/29/2013 19:40
t-Butyl alcohol (TBA)	ND		50	1000	10/29/2013 19:40
n-Butyl benzene	14		5.0	1000	10/29/2013 19:40
sec-Butyl benzene	ND		5.0	1000	10/29/2013 19:40
tert-Butyl benzene	ND		5.0	1000	10/29/2013 19:40
Carbon Disulfide	ND		5.0	1000	10/29/2013 19:40
Carbon Tetrachloride	ND		5.0	1000	10/29/2013 19:40
Chlorobenzene	ND		5.0	1000	10/29/2013 19:40
Chloroethane	ND		5.0	1000	10/29/2013 19:40
Chloroform	ND		5.0	1000	10/29/2013 19:40
Chloromethane	ND		5.0	1000	10/29/2013 19:40
2-Chlorotoluene	ND		5.0	1000	10/29/2013 19:40
4-Chlorotoluene	ND		5.0	1000	10/29/2013 19:40
Dibromochloromethane	ND		5.0	1000	10/29/2013 19:40
1,2-Dibromo-3-chloropropane	ND		4.0	1000	10/29/2013 19:40
1,2-Dibromoethane (EDB)	ND		4.0	1000	10/29/2013 19:40
Dibromomethane	ND		5.0	1000	10/29/2013 19:40
1,2-Dichlorobenzene	ND		5.0	1000	10/29/2013 19:40
1,3-Dichlorobenzene	ND		5.0	1000	10/29/2013 19:40
1,4-Dichlorobenzene	ND		5.0	1000	10/29/2013 19:40
Dichlorodifluoromethane	ND		5.0	1000	10/29/2013 19:40
1,1-Dichloroethane	ND		5.0	1000	10/29/2013 19:40
1,2-Dichloroethane (1,2-DCA)	ND		4.0	1000	10/29/2013 19:40
1,1-Dichloroethene	ND		5.0	1000	10/29/2013 19:40
cis-1,2-Dichloroethene	ND		5.0	1000	10/29/2013 19:40
trans-1,2-Dichloroethene	ND		5.0	1000	10/29/2013 19:40
1,2-Dichloropropane	ND		5.0	1000	10/29/2013 19:40
1,3-Dichloropropane	ND		5.0	1000	10/29/2013 19:40
2,2-Dichloropropane	ND		5.0	1000	10/29/2013 19:40
1,1-Dichloropropene	ND		5.0	1000	10/29/2013 19:40

(Cont.)



## Analytical Report

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**WorkOrder:** 1310934  
**Extraction Method:** SW5030B  
**Analytical Method:** SW8260B  
**Unit:** mg/kg

### Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
Tank-A-2'	1310934-001A	Soil	10/29/2013 11:10	GC18	83423
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
cis-1,3-Dichloropropene	ND		5.0	1000	10/29/2013 19:40
trans-1,3-Dichloropropene	ND		5.0	1000	10/29/2013 19:40
Diisopropyl ether (DIPE)	ND		5.0	1000	10/29/2013 19:40
Ethylbenzene	<b>28</b>		5.0	1000	10/29/2013 19:40
Ethyl tert-butyl ether (ETBE)	ND		5.0	1000	10/29/2013 19:40
Freon 113	ND		100	1000	10/29/2013 19:40
Hexachlorobutadiene	ND		5.0	1000	10/29/2013 19:40
Hexachloroethane	ND		5.0	1000	10/29/2013 19:40
2-Hexanone	ND		5.0	1000	10/29/2013 19:40
Isopropylbenzene	<b>8.1</b>		5.0	1000	10/29/2013 19:40
4-Isopropyl toluene	ND		5.0	1000	10/29/2013 19:40
Methyl-t-butyl ether (MTBE)	ND		5.0	1000	10/29/2013 19:40
Methylene chloride	ND		5.0	1000	10/29/2013 19:40
4-Methyl-2-pentanone (MIBK)	ND		5.0	1000	10/29/2013 19:40
Naphthalene	<b>36</b>		5.0	1000	10/29/2013 19:40
n-Propyl benzene	<b>20</b>		5.0	1000	10/29/2013 19:40
Styrene	ND		5.0	1000	10/29/2013 19:40
1,1,1,2-Tetrachloroethane	ND		5.0	1000	10/29/2013 19:40
1,1,2,2-Tetrachloroethane	ND		5.0	1000	10/29/2013 19:40
Tetrachloroethene	ND		5.0	1000	10/29/2013 19:40
Toluene	ND		5.0	1000	10/29/2013 19:40
1,2,3-Trichlorobenzene	ND		5.0	1000	10/29/2013 19:40
1,2,4-Trichlorobenzene	ND		5.0	1000	10/29/2013 19:40
1,1,1-Trichloroethane	ND		5.0	1000	10/29/2013 19:40
1,1,2-Trichloroethane	ND		5.0	1000	10/29/2013 19:40
Trichloroethene	ND		5.0	1000	10/29/2013 19:40
Trichlorofluoromethane	ND		5.0	1000	10/29/2013 19:40
1,2,3-Trichloropropane	ND		5.0	1000	10/29/2013 19:40
1,2,4-Trimethylbenzene	ND		5.0	1000	10/29/2013 19:40
1,3,5-Trimethylbenzene	<b>8.1</b>		5.0	1000	10/29/2013 19:40
Vinyl Chloride	ND		5.0	1000	10/29/2013 19:40
Xylenes, Total	<b>12</b>		5.0	1000	10/29/2013 19:40
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
Dibromofluoromethane	101		70-130		10/29/2013 19:40
Toluene-d8	99		70-130		10/29/2013 19:40
4-BFB	72		70-130		10/29/2013 19:40

(Cont.)



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**WorkOrder:** 1310934  
**Extraction Method:** SW5030B  
**Analytical Method:** SW8260B  
**Unit:** mg/kg

### Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
Tank-B-2'	1310934-002A	Soil	10/29/2013 13:20	GC18	83423
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Acetone	ND		100	1000	10/29/2013 20:18
tert-Amyl methyl ether (TAME)	ND		5.0	1000	10/29/2013 20:18
Benzene	ND		5.0	1000	10/29/2013 20:18
Bromobenzene	ND		5.0	1000	10/29/2013 20:18
Bromochloromethane	ND		5.0	1000	10/29/2013 20:18
Bromodichloromethane	ND		5.0	1000	10/29/2013 20:18
Bromoform	ND		5.0	1000	10/29/2013 20:18
Bromomethane	ND		5.0	1000	10/29/2013 20:18
2-Butanone (MEK)	ND		20	1000	10/29/2013 20:18
t-Butyl alcohol (TBA)	ND		50	1000	10/29/2013 20:18
n-Butyl benzene	<b>6.8</b>		5.0	1000	10/29/2013 20:18
sec-Butyl benzene	ND		5.0	1000	10/29/2013 20:18
tert-Butyl benzene	ND		5.0	1000	10/29/2013 20:18
Carbon Disulfide	ND		5.0	1000	10/29/2013 20:18
Carbon Tetrachloride	ND		5.0	1000	10/29/2013 20:18
Chlorobenzene	ND		5.0	1000	10/29/2013 20:18
Chloroethane	ND		5.0	1000	10/29/2013 20:18
Chloroform	ND		5.0	1000	10/29/2013 20:18
Chloromethane	ND		5.0	1000	10/29/2013 20:18
2-Chlorotoluene	ND		5.0	1000	10/29/2013 20:18
4-Chlorotoluene	ND		5.0	1000	10/29/2013 20:18
Dibromochloromethane	ND		5.0	1000	10/29/2013 20:18
1,2-Dibromo-3-chloropropane	ND		4.0	1000	10/29/2013 20:18
1,2-Dibromoethane (EDB)	ND		4.0	1000	10/29/2013 20:18
Dibromomethane	ND		5.0	1000	10/29/2013 20:18
1,2-Dichlorobenzene	ND		5.0	1000	10/29/2013 20:18
1,3-Dichlorobenzene	ND		5.0	1000	10/29/2013 20:18
1,4-Dichlorobenzene	ND		5.0	1000	10/29/2013 20:18
Dichlorodifluoromethane	ND		5.0	1000	10/29/2013 20:18
1,1-Dichloroethane	ND		5.0	1000	10/29/2013 20:18
1,2-Dichloroethane (1,2-DCA)	ND		4.0	1000	10/29/2013 20:18
1,1-Dichloroethene	ND		5.0	1000	10/29/2013 20:18
cis-1,2-Dichloroethene	ND		5.0	1000	10/29/2013 20:18
trans-1,2-Dichloroethene	ND		5.0	1000	10/29/2013 20:18
1,2-Dichloropropane	ND		5.0	1000	10/29/2013 20:18
1,3-Dichloropropane	ND		5.0	1000	10/29/2013 20:18
2,2-Dichloropropane	ND		5.0	1000	10/29/2013 20:18
1,1-Dichloropropene	ND		5.0	1000	10/29/2013 20:18

(Cont.)





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**Analytical Method:** SW8260B  
**Unit:** mg/kg

### Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
Tank-B-2'	1310934-002A	Soil	10/29/2013 13:20	GC18	83423
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
cis-1,3-Dichloropropene	ND		5.0	1000	10/29/2013 20:18
trans-1,3-Dichloropropene	ND		5.0	1000	10/29/2013 20:18
Diisopropyl ether (DIPE)	ND		5.0	1000	10/29/2013 20:18
Ethylbenzene	ND		5.0	1000	10/29/2013 20:18
Ethyl tert-butyl ether (ETBE)	ND		5.0	1000	10/29/2013 20:18
Freon 113	ND		100	1000	10/29/2013 20:18
Hexachlorobutadiene	ND		5.0	1000	10/29/2013 20:18
Hexachloroethane	ND		5.0	1000	10/29/2013 20:18
2-Hexanone	ND		5.0	1000	10/29/2013 20:18
Isopropylbenzene	ND		5.0	1000	10/29/2013 20:18
4-Isopropyl toluene	ND		5.0	1000	10/29/2013 20:18
Methyl-t-butyl ether (MTBE)	ND		5.0	1000	10/29/2013 20:18
Methylene chloride	ND		5.0	1000	10/29/2013 20:18
4-Methyl-2-pentanone (MIBK)	ND		5.0	1000	10/29/2013 20:18
Naphthalene	<b>8.2</b>		5.0	1000	10/29/2013 20:18
n-Propyl benzene	ND		5.0	1000	10/29/2013 20:18
Styrene	ND		5.0	1000	10/29/2013 20:18
1,1,1,2-Tetrachloroethane	ND		5.0	1000	10/29/2013 20:18
1,1,2,2-Tetrachloroethane	ND		5.0	1000	10/29/2013 20:18
Tetrachloroethene	ND		5.0	1000	10/29/2013 20:18
Toluene	ND		5.0	1000	10/29/2013 20:18
1,2,3-Trichlorobenzene	ND		5.0	1000	10/29/2013 20:18
1,2,4-Trichlorobenzene	ND		5.0	1000	10/29/2013 20:18
1,1,1-Trichloroethane	ND		5.0	1000	10/29/2013 20:18
1,1,2-Trichloroethane	ND		5.0	1000	10/29/2013 20:18
Trichloroethene	ND		5.0	1000	10/29/2013 20:18
Trichlorofluoromethane	ND		5.0	1000	10/29/2013 20:18
1,2,3-Trichloropropane	ND		5.0	1000	10/29/2013 20:18
1,2,4-Trimethylbenzene	ND		5.0	1000	10/29/2013 20:18
1,3,5-Trimethylbenzene	ND		5.0	1000	10/29/2013 20:18
Vinyl Chloride	ND		5.0	1000	10/29/2013 20:18
Xylenes, Total	ND		5.0	1000	10/29/2013 20:18
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
Dibromofluoromethane	100		70-130		10/29/2013 20:18
Toluene-d8	97		70-130		10/29/2013 20:18
4-BFB	82		70-130		10/29/2013 20:18

(Cont.)



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**Client:** AEI Consultants  
**Project:** #324771; FSI  
**Date Received:** 10/29/13 16:07  
**Date Prepared:** 10/29/13

**WorkOrder:** 1310934  
**Extraction Method:** SW5030B  
**Analytical Method:** SW8260B  
**Unit:** mg/kg

### Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SP1-(1-4)	1310934-003A	Soil	10/29/2013	GC18	83423
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Acetone	ND		40	400	10/29/2013 20:56
tert-Amyl methyl ether (TAME)	ND		2.0	400	10/29/2013 20:56
Benzene	ND		2.0	400	10/29/2013 20:56
Bromobenzene	ND		2.0	400	10/29/2013 20:56
Bromochloromethane	ND		2.0	400	10/29/2013 20:56
Bromodichloromethane	ND		2.0	400	10/29/2013 20:56
Bromoform	ND		2.0	400	10/29/2013 20:56
Bromomethane	ND		2.0	400	10/29/2013 20:56
2-Butanone (MEK)	ND		8.0	400	10/29/2013 20:56
t-Butyl alcohol (TBA)	ND		20	400	10/29/2013 20:56
n-Butyl benzene	2.7		2.0	400	10/29/2013 20:56
sec-Butyl benzene	ND		2.0	400	10/29/2013 20:56
tert-Butyl benzene	ND		2.0	400	10/29/2013 20:56
Carbon Disulfide	ND		2.0	400	10/29/2013 20:56
Carbon Tetrachloride	ND		2.0	400	10/29/2013 20:56
Chlorobenzene	ND		2.0	400	10/29/2013 20:56
Chloroethane	ND		2.0	400	10/29/2013 20:56
Chloroform	ND		2.0	400	10/29/2013 20:56
Chloromethane	ND		2.0	400	10/29/2013 20:56
2-Chlorotoluene	ND		2.0	400	10/29/2013 20:56
4-Chlorotoluene	ND		2.0	400	10/29/2013 20:56
Dibromochloromethane	ND		2.0	400	10/29/2013 20:56
1,2-Dibromo-3-chloropropane	ND		1.6	400	10/29/2013 20:56
1,2-Dibromoethane (EDB)	ND		1.6	400	10/29/2013 20:56
Dibromomethane	ND		2.0	400	10/29/2013 20:56
1,2-Dichlorobenzene	ND		2.0	400	10/29/2013 20:56
1,3-Dichlorobenzene	ND		2.0	400	10/29/2013 20:56
1,4-Dichlorobenzene	ND		2.0	400	10/29/2013 20:56
Dichlorodifluoromethane	ND		2.0	400	10/29/2013 20:56
1,1-Dichloroethane	ND		2.0	400	10/29/2013 20:56
1,2-Dichloroethane (1,2-DCA)	ND		1.6	400	10/29/2013 20:56
1,1-Dichloroethene	ND		2.0	400	10/29/2013 20:56
cis-1,2-Dichloroethene	ND		2.0	400	10/29/2013 20:56
trans-1,2-Dichloroethene	ND		2.0	400	10/29/2013 20:56
1,2-Dichloropropane	ND		2.0	400	10/29/2013 20:56
1,3-Dichloropropane	ND		2.0	400	10/29/2013 20:56
2,2-Dichloropropane	ND		2.0	400	10/29/2013 20:56
1,1-Dichloropropene	ND		2.0	400	10/29/2013 20:56

(Cont.)



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**Date Prepared:** 10/29/13

**WorkOrder:** 1310934  
**Extraction Method:** SW5030B  
**Analytical Method:** SW8260B  
**Unit:** mg/kg

## Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SP1-(1-4)	1310934-003A	Soil	10/29/2013	GC18	83423
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
cis-1,3-Dichloropropene	ND		2.0	400	10/29/2013 20:56
trans-1,3-Dichloropropene	ND		2.0	400	10/29/2013 20:56
Diisopropyl ether (DIPE)	ND		2.0	400	10/29/2013 20:56
Ethylbenzene	ND		2.0	400	10/29/2013 20:56
Ethyl tert-butyl ether (ETBE)	ND		2.0	400	10/29/2013 20:56
Freon 113	ND		40	400	10/29/2013 20:56
Hexachlorobutadiene	ND		2.0	400	10/29/2013 20:56
Hexachloroethane	ND		2.0	400	10/29/2013 20:56
2-Hexanone	ND		2.0	400	10/29/2013 20:56
Isopropylbenzene	ND		2.0	400	10/29/2013 20:56
4-Isopropyl toluene	ND		2.0	400	10/29/2013 20:56
Methyl-t-butyl ether (MTBE)	ND		2.0	400	10/29/2013 20:56
Methylene chloride	ND		2.0	400	10/29/2013 20:56
4-Methyl-2-pentanone (MIBK)	ND		2.0	400	10/29/2013 20:56
Naphthalene	<b>6.1</b>		2.0	400	10/29/2013 20:56
n-Propyl benzene	<b>2.1</b>		2.0	400	10/29/2013 20:56
Styrene	ND		2.0	400	10/29/2013 20:56
1,1,1,2-Tetrachloroethane	ND		2.0	400	10/29/2013 20:56
1,1,2,2-Tetrachloroethane	ND		2.0	400	10/29/2013 20:56
Tetrachloroethene	ND		2.0	400	10/29/2013 20:56
Toluene	ND		2.0	400	10/29/2013 20:56
1,2,3-Trichlorobenzene	ND		2.0	400	10/29/2013 20:56
1,2,4-Trichlorobenzene	ND		2.0	400	10/29/2013 20:56
1,1,1-Trichloroethane	ND		2.0	400	10/29/2013 20:56
1,1,2-Trichloroethane	ND		2.0	400	10/29/2013 20:56
Trichloroethene	ND		2.0	400	10/29/2013 20:56
Trichlorofluoromethane	ND		2.0	400	10/29/2013 20:56
1,2,3-Trichloropropane	ND		2.0	400	10/29/2013 20:56
1,2,4-Trimethylbenzene	<b>10</b>		2.0	400	10/29/2013 20:56
1,3,5-Trimethylbenzene	<b>2.3</b>		2.0	400	10/29/2013 20:56
Vinyl Chloride	ND		2.0	400	10/29/2013 20:56
Xylenes, Total	ND		2.0	400	10/29/2013 20:56
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
Dibromofluoromethane	101		70-130		10/29/2013 20:56
Toluene-d8	97		70-130		10/29/2013 20:56
4-BFB	82		70-130		10/29/2013 20:56

(Cont.)



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**Project:** #324771; FSI  
**Date Received:** 10/29/13 16:07  
**Date Prepared:** 10/29/13

**WorkOrder:** 1310934  
**Extraction Method:** SW5030B  
**Analytical Method:** SW8260B  
**Unit:** mg/kg

## Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
Tank-A-12'	1310934-004A	Soil	10/29/2013 11:20	GC16	83423
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Acetone	ND		0.10	1	10/29/2013 21:12
tert-Amyl methyl ether (TAME)	ND		0.0050	1	10/29/2013 21:12
Benzene	ND		0.0050	1	10/29/2013 21:12
Bromobenzene	ND		0.0050	1	10/29/2013 21:12
Bromochloromethane	ND		0.0050	1	10/29/2013 21:12
Bromodichloromethane	ND		0.0050	1	10/29/2013 21:12
Bromoform	ND		0.0050	1	10/29/2013 21:12
Bromomethane	ND		0.0050	1	10/29/2013 21:12
2-Butanone (MEK)	ND		0.020	1	10/29/2013 21:12
t-Butyl alcohol (TBA)	ND		0.050	1	10/29/2013 21:12
n-Butyl benzene	ND		0.0050	1	10/29/2013 21:12
sec-Butyl benzene	ND		0.0050	1	10/29/2013 21:12
tert-Butyl benzene	ND		0.0050	1	10/29/2013 21:12
Carbon Disulfide	ND		0.0050	1	10/29/2013 21:12
Carbon Tetrachloride	ND		0.0050	1	10/29/2013 21:12
Chlorobenzene	ND		0.0050	1	10/29/2013 21:12
Chloroethane	ND		0.0050	1	10/29/2013 21:12
Chloroform	ND		0.0050	1	10/29/2013 21:12
Chloromethane	ND		0.0050	1	10/29/2013 21:12
2-Chlorotoluene	ND		0.0050	1	10/29/2013 21:12
4-Chlorotoluene	ND		0.0050	1	10/29/2013 21:12
Dibromochloromethane	ND		0.0050	1	10/29/2013 21:12
1,2-Dibromo-3-chloropropane	ND		0.0040	1	10/29/2013 21:12
1,2-Dibromoethane (EDB)	ND		0.0040	1	10/29/2013 21:12
Dibromomethane	ND		0.0050	1	10/29/2013 21:12
1,2-Dichlorobenzene	ND		0.0050	1	10/29/2013 21:12
1,3-Dichlorobenzene	ND		0.0050	1	10/29/2013 21:12
1,4-Dichlorobenzene	ND		0.0050	1	10/29/2013 21:12
Dichlorodifluoromethane	ND		0.0050	1	10/29/2013 21:12
1,1-Dichloroethane	ND		0.0050	1	10/29/2013 21:12
1,2-Dichloroethane (1,2-DCA)	ND		0.0040	1	10/29/2013 21:12
1,1-Dichloroethene	ND		0.0050	1	10/29/2013 21:12
cis-1,2-Dichloroethene	ND		0.0050	1	10/29/2013 21:12
trans-1,2-Dichloroethene	ND		0.0050	1	10/29/2013 21:12
1,2-Dichloropropane	ND		0.0050	1	10/29/2013 21:12
1,3-Dichloropropane	ND		0.0050	1	10/29/2013 21:12
2,2-Dichloropropane	ND		0.0050	1	10/29/2013 21:12
1,1-Dichloropropene	ND		0.0050	1	10/29/2013 21:12

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# Analytical Report

**Client:** AEI Consultants  
**Project:** #324771; FSI  
**Date Received:** 10/29/13 16:07  
**Date Prepared:** 10/29/13

**WorkOrder:** 1310934  
**Extraction Method:** SW5030B  
**Analytical Method:** SW8260B  
**Unit:** mg/kg

## Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
Tank-A-12'	1310934-004A	Soil	10/29/2013 11:20	GC16	83423
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
cis-1,3-Dichloropropene	ND		0.0050	1	10/29/2013 21:12
trans-1,3-Dichloropropene	ND		0.0050	1	10/29/2013 21:12
Diisopropyl ether (DIPE)	ND		0.0050	1	10/29/2013 21:12
Ethylbenzene	ND		0.0050	1	10/29/2013 21:12
Ethyl tert-butyl ether (ETBE)	ND		0.0050	1	10/29/2013 21:12
Freon 113	ND		0.10	1	10/29/2013 21:12
Hexachlorobutadiene	ND		0.0050	1	10/29/2013 21:12
Hexachloroethane	ND		0.0050	1	10/29/2013 21:12
2-Hexanone	ND		0.0050	1	10/29/2013 21:12
Isopropylbenzene	ND		0.0050	1	10/29/2013 21:12
4-Isopropyl toluene	ND		0.0050	1	10/29/2013 21:12
Methyl-t-butyl ether (MTBE)	ND		0.0050	1	10/29/2013 21:12
Methylene chloride	ND		0.0050	1	10/29/2013 21:12
4-Methyl-2-pentanone (MIBK)	ND		0.0050	1	10/29/2013 21:12
Naphthalene	ND		0.0050	1	10/29/2013 21:12
n-Propyl benzene	ND		0.0050	1	10/29/2013 21:12
Styrene	ND		0.0050	1	10/29/2013 21:12
1,1,1,2-Tetrachloroethane	ND		0.0050	1	10/29/2013 21:12
1,1,2,2-Tetrachloroethane	ND		0.0050	1	10/29/2013 21:12
Tetrachloroethene	ND		0.0050	1	10/29/2013 21:12
Toluene	ND		0.0050	1	10/29/2013 21:12
1,2,3-Trichlorobenzene	ND		0.0050	1	10/29/2013 21:12
1,2,4-Trichlorobenzene	ND		0.0050	1	10/29/2013 21:12
1,1,1-Trichloroethane	ND		0.0050	1	10/29/2013 21:12
1,1,2-Trichloroethane	ND		0.0050	1	10/29/2013 21:12
Trichloroethene	ND		0.0050	1	10/29/2013 21:12
Trichlorofluoromethane	ND		0.0050	1	10/29/2013 21:12
1,2,3-Trichloropropane	ND		0.0050	1	10/29/2013 21:12
1,2,4-Trimethylbenzene	ND		0.0050	1	10/29/2013 21:12
1,3,5-Trimethylbenzene	ND		0.0050	1	10/29/2013 21:12
Vinyl Chloride	ND		0.0050	1	10/29/2013 21:12
Xylenes, Total	ND		0.0050	1	10/29/2013 21:12
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
Dibromofluoromethane	99		70-130		10/29/2013 21:12
Toluene-d8	109		70-130		10/29/2013 21:12
4-BFB	103		70-130		10/29/2013 21:12



## Analytical Report

**Client:** AEI Consultants  
**Project:** #324771; FSI  
**Date Received:** 10/29/13 16:07  
**Date Prepared:** 10/29/13

**WorkOrder:** 1310934  
**Extraction Method:** SW3550B  
**Analytical Method:** SW8270C  
**Unit:** mg/Kg

### Semi-Volatile Organics by GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
Tank-A-2'	1310934-001A	Soil	10/29/2013 11:10	GC21	83413
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Acenaphthene	ND		1.2	5	10/30/2013 11:34
Acenaphthylene	ND		1.2	5	10/30/2013 11:34
Acetochlor	ND		1.2	5	10/30/2013 11:34
Anthracene	ND		1.2	5	10/30/2013 11:34
Benzidine	ND		6.5	5	10/30/2013 11:34
Benzo (a) anthracene	ND		1.2	5	10/30/2013 11:34
Benzo (b) fluoranthene	ND		1.2	5	10/30/2013 11:34
Benzo (k) fluoranthene	ND		1.2	5	10/30/2013 11:34
Benzo (g,h,i) perylene	ND		1.2	5	10/30/2013 11:34
Benzo (a) pyrene	ND		1.2	5	10/30/2013 11:34
Benzyl Alcohol	ND		6.5	5	10/30/2013 11:34
1,1-Biphenyl	ND		1.2	5	10/30/2013 11:34
Bis (2-chloroethoxy) Methane	ND		1.2	5	10/30/2013 11:34
Bis (2-chloroethyl) Ether	ND		1.2	5	10/30/2013 11:34
Bis (2-chloroisopropyl) Ether	ND		1.2	5	10/30/2013 11:34
Bis (2-ethylhexyl) Adipate	ND		1.2	5	10/30/2013 11:34
Bis (2-ethylhexyl) Phthalate	ND		1.2	5	10/30/2013 11:34
4-Bromophenyl Phenyl Ether	ND		1.2	5	10/30/2013 11:34
Butylbenzyl Phthalate	ND		1.2	5	10/30/2013 11:34
4-Chloroaniline	ND		1.2	5	10/30/2013 11:34
4-Chloro-3-methylphenol	ND		1.2	5	10/30/2013 11:34
2-Chloronaphthalene	ND		1.2	5	10/30/2013 11:34
2-Chlorophenol	ND		1.2	5	10/30/2013 11:34
4-Chlorophenyl Phenyl Ether	ND		1.2	5	10/30/2013 11:34
Chrysene	ND		1.2	5	10/30/2013 11:34
Dibenzo (a,h) anthracene	ND		1.2	5	10/30/2013 11:34
Dibenzofuran	ND		1.2	5	10/30/2013 11:34
Di-n-butyl Phthalate	ND		1.2	5	10/30/2013 11:34
1,2-Dichlorobenzene	ND		1.2	5	10/30/2013 11:34
1,3-Dichlorobenzene	ND		1.2	5	10/30/2013 11:34
1,4-Dichlorobenzene	ND		1.2	5	10/30/2013 11:34
3,3-Dichlorobenzidine	ND		2.5	5	10/30/2013 11:34
2,4-Dichlorophenol	ND		1.2	5	10/30/2013 11:34
Diethyl Phthalate	ND		1.2	5	10/30/2013 11:34
2,4-Dimethylphenol	ND		1.2	5	10/30/2013 11:34
Dimethyl Phthalate	ND		1.2	5	10/30/2013 11:34
4,6-Dinitro-2-methylphenol	ND		6.5	5	10/30/2013 11:34
2,4-Dinitrophenol	ND		32	5	10/30/2013 11:34

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## Analytical Report

**Client:** AEI Consultants  
**Project:** #324771; FSI  
**Date Received:** 10/29/13 16:07  
**Date Prepared:** 10/29/13

**WorkOrder:** 1310934  
**Extraction Method:** SW3550B  
**Analytical Method:** SW8270C  
**Unit:** mg/Kg

### Semi-Volatile Organics by GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
Tank-A-2'	1310934-001A	Soil	10/29/2013 11:10	GC21	83413
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
2,4-Dinitrotoluene	ND		1.2	5	10/30/2013 11:34
2,6-Dinitrotoluene	ND		1.2	5	10/30/2013 11:34
Di-n-octyl Phthalate	ND		2.5	5	10/30/2013 11:34
1,2-Diphenylhydrazine	ND		1.2	5	10/30/2013 11:34
Fluoranthene	ND		1.2	5	10/30/2013 11:34
Fluorene	ND		1.2	5	10/30/2013 11:34
Hexachlorobenzene	ND		1.2	5	10/30/2013 11:34
Hexachlorobutadiene	ND		1.2	5	10/30/2013 11:34
Hexachlorocyclopentadiene	ND		6.5	5	10/30/2013 11:34
Hexachloroethane	ND		1.2	5	10/30/2013 11:34
Indeno (1,2,3-cd) pyrene	ND		1.2	5	10/30/2013 11:34
Isophorone	ND		1.2	5	10/30/2013 11:34
2-Methylnaphthalene	<b>6.0</b>		1.2	5	10/30/2013 11:34
2-Methylphenol (o-Cresol)	ND		1.2	5	10/30/2013 11:34
3 &/or 4-Methylphenol (m,p-Cresol)	ND		1.2	5	10/30/2013 11:34
Naphthalene	<b>19</b>		1.2	5	10/30/2013 11:34
2-Nitroaniline	ND		6.5	5	10/30/2013 11:34
3-Nitroaniline	ND		6.5	5	10/30/2013 11:34
4-Nitroaniline	ND		6.5	5	10/30/2013 11:34
Nitrobenzene	ND		1.2	5	10/30/2013 11:34
2-Nitrophenol	ND		6.5	5	10/30/2013 11:34
4-Nitrophenol	ND		6.5	5	10/30/2013 11:34
N-Nitrosodiphenylamine	ND		1.2	5	10/30/2013 11:34
N-Nitrosodi-n-propylamine	ND		1.2	5	10/30/2013 11:34
Pentachlorophenol	ND		6.5	5	10/30/2013 11:34
Phenanthrene	ND		1.2	5	10/30/2013 11:34
Phenol	ND		1.2	5	10/30/2013 11:34
Pyrene	ND		1.2	5	10/30/2013 11:34
1,2,4-Trichlorobenzene	ND		1.2	5	10/30/2013 11:34
2,4,5-Trichlorophenol	ND		1.2	5	10/30/2013 11:34
2,4,6-Trichlorophenol	ND		1.2	5	10/30/2013 11:34

(Cont.)



## Analytical Report

**Client:** AEI Consultants  
**Project:** #324771; FSI  
**Date Received:** 10/29/13 16:07  
**Date Prepared:** 10/29/13

**WorkOrder:** 1310934  
**Extraction Method:** SW3550B  
**Analytical Method:** SW8270C  
**Unit:** mg/Kg

### Semi-Volatile Organics by GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
Tank-A-2'	1310934-001A	Soil	10/29/2013 11:10	GC21	83413
Analytes	Result		RL	DF	Date Analyzed
Surrogates	REC (%)		Limits		
2-Fluorophenol	72		30-130		10/30/2013 11:34
Phenol-d5	80		30-130		10/30/2013 11:34
Nitrobenzene-d5	89		30-130		10/30/2013 11:34
2-Fluorobiphenyl	50		30-130		10/30/2013 11:34
2,4,6-Tribromophenol	54		30-130		10/30/2013 11:34
4-Terphenyl-d14	60		30-130		10/30/2013 11:34

(Cont.)





## Analytical Report

**Client:** AEI Consultants  
**Project:** #324771; FSI  
**Date Received:** 10/29/13 16:07  
**Date Prepared:** 10/29/13

**WorkOrder:** 1310934  
**Extraction Method:** SW3550B  
**Analytical Method:** SW8270C  
**Unit:** mg/Kg

### Semi-Volatile Organics by GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
Tank-B-2'	1310934-002A	Soil	10/29/2013 13:20	GC21	83413
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Acenaphthene	ND		0.25	1	10/29/2013 23:00
Acenaphthylene	ND		0.25	1	10/29/2013 23:00
Acetochlor	ND		0.25	1	10/29/2013 23:00
Anthracene	ND		0.25	1	10/29/2013 23:00
Benzidine	ND		1.3	1	10/29/2013 23:00
Benzo (a) anthracene	ND		0.25	1	10/29/2013 23:00
Benzo (b) fluoranthene	ND		0.25	1	10/29/2013 23:00
Benzo (k) fluoranthene	ND		0.25	1	10/29/2013 23:00
Benzo (g,h,i) perylene	ND		0.25	1	10/29/2013 23:00
Benzo (a) pyrene	ND		0.25	1	10/29/2013 23:00
Benzyl Alcohol	ND		1.3	1	10/29/2013 23:00
1,1-Biphenyl	ND		0.25	1	10/29/2013 23:00
Bis (2-chloroethoxy) Methane	ND		0.25	1	10/29/2013 23:00
Bis (2-chloroethyl) Ether	ND		0.25	1	10/29/2013 23:00
Bis (2-chloroisopropyl) Ether	ND		0.25	1	10/29/2013 23:00
Bis (2-ethylhexyl) Adipate	ND		0.25	1	10/29/2013 23:00
Bis (2-ethylhexyl) Phthalate	ND		0.25	1	10/29/2013 23:00
4-Bromophenyl Phenyl Ether	ND		0.25	1	10/29/2013 23:00
Butylbenzyl Phthalate	ND		0.25	1	10/29/2013 23:00
4-Chloroaniline	ND		0.25	1	10/29/2013 23:00
4-Chloro-3-methylphenol	ND		0.25	1	10/29/2013 23:00
2-Chloronaphthalene	ND		0.25	1	10/29/2013 23:00
2-Chlorophenol	ND		0.25	1	10/29/2013 23:00
4-Chlorophenyl Phenyl Ether	ND		0.25	1	10/29/2013 23:00
Chrysene	ND		0.25	1	10/29/2013 23:00
Dibenzo (a,h) anthracene	ND		0.25	1	10/29/2013 23:00
Dibenzofuran	ND		0.25	1	10/29/2013 23:00
Di-n-butyl Phthalate	ND		0.25	1	10/29/2013 23:00
1,2-Dichlorobenzene	ND		0.25	1	10/29/2013 23:00
1,3-Dichlorobenzene	ND		0.25	1	10/29/2013 23:00
1,4-Dichlorobenzene	ND		0.25	1	10/29/2013 23:00
3,3-Dichlorobenzidine	ND		0.50	1	10/29/2013 23:00
2,4-Dichlorophenol	ND		0.25	1	10/29/2013 23:00
Diethyl Phthalate	ND		0.25	1	10/29/2013 23:00
2,4-Dimethylphenol	ND		0.25	1	10/29/2013 23:00
Dimethyl Phthalate	ND		0.25	1	10/29/2013 23:00
4,6-Dinitro-2-methylphenol	ND		1.3	1	10/29/2013 23:00
2,4-Dinitrophenol	ND		6.3	1	10/29/2013 23:00

(Cont.)



## Analytical Report

**Client:** AEI Consultants  
**Project:** #324771; FSI  
**Date Received:** 10/29/13 16:07  
**Date Prepared:** 10/29/13

**WorkOrder:** 1310934  
**Extraction Method:** SW3550B  
**Analytical Method:** SW8270C  
**Unit:** mg/Kg

### Semi-Volatile Organics by GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
Tank-B-2'	1310934-002A	Soil	10/29/2013 13:20	GC21	83413
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
2,4-Dinitrotoluene	ND		0.25	1	10/29/2013 23:00
2,6-Dinitrotoluene	ND		0.25	1	10/29/2013 23:00
Di-n-octyl Phthalate	ND		0.50	1	10/29/2013 23:00
1,2-Diphenylhydrazine	ND		0.25	1	10/29/2013 23:00
Fluoranthene	ND		0.25	1	10/29/2013 23:00
Fluorene	ND		0.25	1	10/29/2013 23:00
Hexachlorobenzene	ND		0.25	1	10/29/2013 23:00
Hexachlorobutadiene	ND		0.25	1	10/29/2013 23:00
Hexachlorocyclopentadiene	ND		1.3	1	10/29/2013 23:00
Hexachloroethane	ND		0.25	1	10/29/2013 23:00
Indeno (1,2,3-cd) pyrene	ND		0.25	1	10/29/2013 23:00
Isophorone	ND		0.25	1	10/29/2013 23:00
2-Methylnaphthalene	<b>1.8</b>		0.25	1	10/29/2013 23:00
2-Methylphenol (o-Cresol)	ND		0.25	1	10/29/2013 23:00
3 &/or 4-Methylphenol (m,p-Cresol)	ND		0.25	1	10/29/2013 23:00
Naphthalene	ND		2.5	1	10/29/2013 23:00
2-Nitroaniline	ND		1.3	1	10/29/2013 23:00
3-Nitroaniline	ND		1.3	1	10/29/2013 23:00
4-Nitroaniline	ND		1.3	1	10/29/2013 23:00
Nitrobenzene	ND		0.25	1	10/29/2013 23:00
2-Nitrophenol	ND		1.3	1	10/29/2013 23:00
4-Nitrophenol	ND		1.3	1	10/29/2013 23:00
N-Nitrosodiphenylamine	ND		0.25	1	10/29/2013 23:00
N-Nitrosodi-n-propylamine	ND		0.25	1	10/29/2013 23:00
Pentachlorophenol	ND		1.3	1	10/29/2013 23:00
Phenanthrene	ND		0.25	1	10/29/2013 23:00
Phenol	ND		0.25	1	10/29/2013 23:00
Pyrene	ND		0.25	1	10/29/2013 23:00
1,2,4-Trichlorobenzene	ND		0.25	1	10/29/2013 23:00
2,4,5-Trichlorophenol	ND		0.25	1	10/29/2013 23:00
2,4,6-Trichlorophenol	ND		0.25	1	10/29/2013 23:00

(Cont.)



## Analytical Report

**Client:** AEI Consultants  
**Project:** #324771; FSI  
**Date Received:** 10/29/13 16:07  
**Date Prepared:** 10/29/13

**WorkOrder:** 1310934  
**Extraction Method:** SW3550B  
**Analytical Method:** SW8270C  
**Unit:** mg/Kg

### Semi-Volatile Organics by GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
Tank-B-2'	1310934-002A	Soil	10/29/2013 13:20	GC21	83413
Analytes	Result		RL	DF	Date Analyzed
Surrogates	REC (%)		Limits		
2-Fluorophenol	93		30-130		10/29/2013 23:00
Phenol-d5	91		30-130		10/29/2013 23:00
Nitrobenzene-d5	93		30-130		10/29/2013 23:00
2-Fluorobiphenyl	68		30-130		10/29/2013 23:00
2,4,6-Tribromophenol	72		30-130		10/29/2013 23:00
4-Terphenyl-d14	71		30-130		10/29/2013 23:00

(Cont.)



## Analytical Report

**Client:** AEI Consultants  
**Project:** #324771; FSI  
**Date Received:** 10/29/13 16:07  
**Date Prepared:** 10/29/13

**WorkOrder:** 1310934  
**Extraction Method:** SW3550B  
**Analytical Method:** SW8270C  
**Unit:** mg/Kg

### Semi-Volatile Organics by GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SP1-(1-4)	1310934-003A	Soil	10/29/2013	GC21	83413
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Acenaphthene	ND		0.25	1	10/29/2013 23:27
Acenaphthylene	ND		0.25	1	10/29/2013 23:27
Acetochlor	ND		0.25	1	10/29/2013 23:27
Anthracene	ND		0.25	1	10/29/2013 23:27
Benzidine	ND		1.3	1	10/29/2013 23:27
Benzo (a) anthracene	ND		0.25	1	10/29/2013 23:27
Benzo (b) fluoranthene	ND		0.25	1	10/29/2013 23:27
Benzo (k) fluoranthene	ND		0.25	1	10/29/2013 23:27
Benzo (g,h,i) perylene	ND		0.25	1	10/29/2013 23:27
Benzo (a) pyrene	ND		0.25	1	10/29/2013 23:27
Benzyl Alcohol	ND		1.3	1	10/29/2013 23:27
1,1-Biphenyl	ND		0.25	1	10/29/2013 23:27
Bis (2-chloroethoxy) Methane	ND		0.25	1	10/29/2013 23:27
Bis (2-chloroethyl) Ether	ND		0.25	1	10/29/2013 23:27
Bis (2-chloroisopropyl) Ether	ND		0.25	1	10/29/2013 23:27
Bis (2-ethylhexyl) Adipate	ND		0.25	1	10/29/2013 23:27
Bis (2-ethylhexyl) Phthalate	ND		0.25	1	10/29/2013 23:27
4-Bromophenyl Phenyl Ether	ND		0.25	1	10/29/2013 23:27
Butylbenzyl Phthalate	ND		0.25	1	10/29/2013 23:27
4-Chloroaniline	ND		0.25	1	10/29/2013 23:27
4-Chloro-3-methylphenol	ND		0.25	1	10/29/2013 23:27
2-Chloronaphthalene	ND		0.25	1	10/29/2013 23:27
2-Chlorophenol	ND		0.25	1	10/29/2013 23:27
4-Chlorophenyl Phenyl Ether	ND		0.25	1	10/29/2013 23:27
Chrysene	ND		0.25	1	10/29/2013 23:27
Dibenzo (a,h) anthracene	ND		0.25	1	10/29/2013 23:27
Dibenzofuran	ND		0.25	1	10/29/2013 23:27
Di-n-butyl Phthalate	ND		0.25	1	10/29/2013 23:27
1,2-Dichlorobenzene	ND		0.25	1	10/29/2013 23:27
1,3-Dichlorobenzene	ND		0.25	1	10/29/2013 23:27
1,4-Dichlorobenzene	ND		0.25	1	10/29/2013 23:27
3,3-Dichlorobenzidine	ND		0.50	1	10/29/2013 23:27
2,4-Dichlorophenol	ND		0.25	1	10/29/2013 23:27
Diethyl Phthalate	ND		0.25	1	10/29/2013 23:27
2,4-Dimethylphenol	ND		0.25	1	10/29/2013 23:27
Dimethyl Phthalate	ND		0.25	1	10/29/2013 23:27
4,6-Dinitro-2-methylphenol	ND		1.3	1	10/29/2013 23:27
2,4-Dinitrophenol	ND		6.3	1	10/29/2013 23:27

(Cont.)



## Analytical Report

**Client:** AEI Consultants  
**Project:** #324771; FSI  
**Date Received:** 10/29/13 16:07  
**Date Prepared:** 10/29/13

**WorkOrder:** 1310934  
**Extraction Method:** SW3550B  
**Analytical Method:** SW8270C  
**Unit:** mg/Kg

### Semi-Volatile Organics by GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SP1-(1-4)	1310934-003A	Soil	10/29/2013	GC21	83413
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
2,4-Dinitrotoluene	ND		0.25	1	10/29/2013 23:27
2,6-Dinitrotoluene	ND		0.25	1	10/29/2013 23:27
Di-n-octyl Phthalate	ND		0.50	1	10/29/2013 23:27
1,2-Diphenylhydrazine	ND		0.25	1	10/29/2013 23:27
Fluoranthene	ND		0.25	1	10/29/2013 23:27
Fluorene	ND		0.25	1	10/29/2013 23:27
Hexachlorobenzene	ND		0.25	1	10/29/2013 23:27
Hexachlorobutadiene	ND		0.25	1	10/29/2013 23:27
Hexachlorocyclopentadiene	ND		1.3	1	10/29/2013 23:27
Hexachloroethane	ND		0.25	1	10/29/2013 23:27
Indeno (1,2,3-cd) pyrene	ND		0.25	1	10/29/2013 23:27
Isophorone	ND		0.25	1	10/29/2013 23:27
2-Methylnaphthalene	<b>1.5</b>		0.25	1	10/29/2013 23:27
2-Methylphenol (o-Cresol)	ND		0.25	1	10/29/2013 23:27
3 &/or 4-Methylphenol (m,p-Cresol)	ND		0.25	1	10/29/2013 23:27
Naphthalene	<b>3.4</b>		0.25	1	10/29/2013 23:27
2-Nitroaniline	ND		1.3	1	10/29/2013 23:27
3-Nitroaniline	ND		1.3	1	10/29/2013 23:27
4-Nitroaniline	ND		1.3	1	10/29/2013 23:27
Nitrobenzene	ND		0.25	1	10/29/2013 23:27
2-Nitrophenol	ND		1.3	1	10/29/2013 23:27
4-Nitrophenol	ND		1.3	1	10/29/2013 23:27
N-Nitrosodiphenylamine	ND		0.25	1	10/29/2013 23:27
N-Nitrosodi-n-propylamine	ND		0.25	1	10/29/2013 23:27
Pentachlorophenol	ND		1.3	1	10/29/2013 23:27
Phenanthrene	ND		0.25	1	10/29/2013 23:27
Phenol	ND		0.25	1	10/29/2013 23:27
Pyrene	ND		0.25	1	10/29/2013 23:27
1,2,4-Trichlorobenzene	ND		0.25	1	10/29/2013 23:27
2,4,5-Trichlorophenol	ND		0.25	1	10/29/2013 23:27
2,4,6-Trichlorophenol	ND		0.25	1	10/29/2013 23:27

(Cont.)



## Analytical Report

**Client:** AEI Consultants  
**Project:** #324771; FSI  
**Date Received:** 10/29/13 16:07  
**Date Prepared:** 10/29/13

**WorkOrder:** 1310934  
**Extraction Method:** SW3550B  
**Analytical Method:** SW8270C  
**Unit:** mg/Kg

### Semi-Volatile Organics by GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SP1-(1-4)	1310934-003A	Soil	10/29/2013	GC21	83413
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
2-Fluorophenol	96		30-130		10/29/2013 23:27
Phenol-d5	89		30-130		10/29/2013 23:27
Nitrobenzene-d5	87		30-130		10/29/2013 23:27
2-Fluorobiphenyl	73		30-130		10/29/2013 23:27
2,4,6-Tribromophenol	81		30-130		10/29/2013 23:27
4-Terphenyl-d14	78		30-130		10/29/2013 23:27



## Analytical Report

**Client:** AEI Consultants  
**Project:** #324771; FSI  
**Date Received:** 10/29/13 16:07  
**Date Prepared:** 10/30/13

**WorkOrder:** 1310934  
**Extraction Method:** SW9071B  
**Analytical Method:** SW9071B  
**Unit:** mg/Kg

### Hexane Extractable Material with Silica Gel Treatment

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
Tank-A-2'	1310934-001A	Soil	10/29/2013 11:10	O&G	83445

Analytes	Result	RL	DF	Date Analyzed
HEMSGT	170	50	1	10/30/2013 10:30

Tank-B-2'	1310934-002A	Soil	10/29/2013 13:20	O&G	83445
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Analytes	Result	RL	DF	Date Analyzed
HEMSGT	ND	50	1	10/30/2013 10:35

SP1-(1-4)	1310934-003A	Soil	10/29/2013	O&G	83445
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Analytes	Result	RL	DF	Date Analyzed
HEMSGT	ND	50	1	10/30/2013 10:15



## Analytical Report

**Client:** AEI Consultants  
**Project:** #324771; FSI  
**Date Received:** 10/29/13 16:07  
**Date Prepared:** 10/29/13

**WorkOrder:** 1310934  
**Extraction Method:** SW3050B  
**Analytical Method:** SW6020  
**Unit:** mg/Kg

### CAM / CCR 17 Metals

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SP1-(1-4)	1310934-003A	Soil/TOTAL	10/29/2013	ICP-MS2	83389
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Antimony	ND		0.50	1	10/30/2013 18:14
Arsenic	2.2		0.50	1	10/30/2013 18:14
Barium	62		5.0	1	10/30/2013 18:14
Beryllium	ND		0.50	1	10/30/2013 18:14
Cadmium	ND		0.25	1	10/30/2013 18:14
Chromium	45		0.50	1	10/30/2013 18:14
Cobalt	4.7		0.50	1	10/30/2013 18:14
Copper	7.9		0.50	1	10/30/2013 18:14
Lead	12		0.50	1	10/30/2013 18:14
Mercury	ND		0.050	1	10/30/2013 18:14
Molybdenum	ND		0.50	1	10/30/2013 18:14
Nickel	37		0.50	1	10/30/2013 18:14
Selenium	ND		0.50	1	10/30/2013 18:14
Silver	ND		0.50	1	10/30/2013 18:14
Thallium	ND		0.50	1	10/30/2013 18:14
Vanadium	30		0.50	1	10/30/2013 18:14
Zinc	42		5.0	1	10/30/2013 18:14
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
Tb 350.917	112		70-130		10/30/2013 18:14





## Analytical Report

**Client:** AEI Consultants  
**Project:** #324771; FSI  
**Date Received:** 10/29/13 16:07  
**Date Prepared:** 10/29/13

**WorkOrder:** 1310934  
**Extraction Method:** SW5030B  
**Analytical Method:** SW8021B/8015Bm  
**Unit:** mg/Kg

### Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
Tank-A-2'	1310934-001A	Soil	10/29/2013 11:10	GC7	83378

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	6300	500	500	10/29/2013 23:03
MTBE	---	25	500	10/29/2013 23:03
Benzene	---	2.5	500	10/29/2013 23:03
Toluene	---	2.5	500	10/29/2013 23:03
Ethylbenzene	---	2.5	500	10/29/2013 23:03
Xylenes	---	2.5	500	10/29/2013 23:03
<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>	Analytical Comments: d9	
aaa-TFT	103	70-130		10/29/2013 23:03

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
Tank-B-2'	1310934-002A	Soil	10/29/2013 13:20	GC7	83378

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	2000	500	500	10/29/2013 23:33
MTBE	---	25	500	10/29/2013 23:33
Benzene	---	2.5	500	10/29/2013 23:33
Toluene	---	2.5	500	10/29/2013 23:33
Ethylbenzene	---	2.5	500	10/29/2013 23:33
Xylenes	---	2.5	500	10/29/2013 23:33
<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>	Analytical Comments: d7,d9	
aaa-TFT	88	70-130		10/29/2013 23:33

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SP1-(1-4)	1310934-003A	Soil	10/29/2013	GC7	83378

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	570	200	200	10/30/2013 00:03
MTBE	---	10	200	10/30/2013 00:03
Benzene	---	1.0	200	10/30/2013 00:03
Toluene	---	1.0	200	10/30/2013 00:03
Ethylbenzene	---	1.0	200	10/30/2013 00:03
Xylenes	---	1.0	200	10/30/2013 00:03
<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>	Analytical Comments: d7,d9	
aaa-TFT	91	70-130		10/30/2013 00:03

(Cont.)



## Analytical Report

**Client:** AEI Consultants  
**Project:** #324771; FSI  
**Date Received:** 10/29/13 16:07  
**Date Prepared:** 10/29/13

**WorkOrder:** 1310934  
**Extraction Method:** SW5030B  
**Analytical Method:** SW8021B/8015Bm  
**Unit:** mg/Kg

### Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
Tank-A-12'	1310934-004A	Soil	10/29/2013 11:20	GC7	83378
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
TPH(g)	ND		1.0	1	10/30/2013 05:33
MTBE	---		0.050	1	10/30/2013 05:33
Benzene	---		0.0050	1	10/30/2013 05:33
Toluene	---		0.0050	1	10/30/2013 05:33
Ethylbenzene	---		0.0050	1	10/30/2013 05:33
Xylenes	---		0.0050	1	10/30/2013 05:33
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
2-Fluorotoluene	105		70-130		10/30/2013 05:33



## Analytical Report

**Client:** AEI Consultants  
**Project:** #324771; FSI  
**Date Received:** 10/29/13 16:07  
**Date Prepared:** 10/29/13

**WorkOrder:** 1310934  
**Extraction Method:** SW3050B  
**Analytical Method:** SW6020  
**Unit:** mg/Kg

### LUFT 5 Metals

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
Tank-A-2'	1310934-001A	Soil/TOTAL	10/29/2013 11:10	ICP-MS1	83389

Analytes	Result	RL	DF	Date Analyzed
Cadmium	ND	0.25	1	10/30/2013 12:07
Chromium	37	0.50	1	10/30/2013 12:07
Lead	22	0.50	1	10/30/2013 12:07
Nickel	34	0.50	1	10/30/2013 12:07
Zinc	21	5.0	1	10/30/2013 12:07
<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>		
Tb 350.917	99	70-130		10/30/2013 12:07

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
Tank-B-2'	1310934-002A	Soil/TOTAL	10/29/2013 13:20	ICP-MS1	83389

Analytes	Result	RL	DF	Date Analyzed
Cadmium	ND	0.25	1	10/30/2013 15:02
Chromium	38	0.50	1	10/30/2013 15:02
Lead	12	0.50	1	10/30/2013 15:02
Nickel	26	0.50	1	10/30/2013 15:02
Zinc	16	5.0	1	10/30/2013 15:02
<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>		
Tb 350.917	104	70-130		10/30/2013 15:02



## Analytical Report

**Client:** AEI Consultants  
**Project:** #324771; FSI  
**Date Received:** 10/29/13 16:07  
**Date Prepared:** 10/29/13

**WorkOrder:** 1310934  
**Extraction Method:** SW3550B  
**Analytical Method:** SW8015B  
**Unit:** mg/Kg

### Total Extractable Petroleum Hydrocarbons

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
<b>Tank-A-2'</b>	<b>1310934-001A</b>	<b>Soil</b>	<b>10/29/2013 11:10</b>	<b>GC6B</b>	<b>83380</b>
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
TPH-Diesel (C10-C23)	<b>4000</b>		5.0	5	10/30/2013 10:57
TPH-Motor Oil (C18-C36)	<b>170</b>		25	5	10/30/2013 10:57
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>	Analytical Comments: e11	
C9	121		70-130		10/30/2013 10:57
<b>Tank-B-2'</b>	<b>1310934-002A</b>	<b>Soil</b>	<b>10/29/2013 13:20</b>	<b>GC6A</b>	<b>83380</b>
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
TPH-Diesel (C10-C23)	<b>1500</b>		2.0	2	10/30/2013 13:24
TPH-Motor Oil (C18-C36)	<b>21</b>		10	2	10/30/2013 13:24
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>	Analytical Comments: e11	
C26	99		70-130		10/30/2013 13:24
<b>Tank-A-12'</b>	<b>1310934-004A</b>	<b>Soil</b>	<b>10/29/2013 11:20</b>	<b>GC6A</b>	<b>83380</b>
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
TPH-Diesel (C10-C23)	ND		1.0	1	10/30/2013 08:31
TPH-Motor Oil (C18-C36)	ND		5.0	1	10/30/2013 08:31
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
C9	102		70-130		10/30/2013 08:31



## Analytical Report

**Client:** AEI Consultants  
**Project:** #324771; FSI  
**Date Received:** 10/29/13 16:07  
**Date Prepared:** 10/29/13

**WorkOrder:** 1310934  
**Extraction Method:** SW3550B  
**Analytical Method:** SW8015B  
**Unit:** mg/Kg

### Total Extractable Petroleum Hydrocarbons

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SP1-(1-4)	1310934-003A	Soil	10/29/2013	GC6A	83380
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
TPH-Diesel (C10-C23)	530		1.0	1	11/01/2013 16:23
TPH-Motor Oil (C18-C36)	75		5.0	1	11/01/2013 16:23
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>	Analytical Comments: e11,e7,e2	
C26	98		70-130		11/01/2013 16:23



# Quality Control Report

**Client:** AEI Consultants  
**Date Prepared:** 10/29/13  
**Date Analyzed:** 10/29/13  
**Instrument:** GC16  
**Matrix:** Soil  
**Project:** #324771; FSI

**WorkOrder:** 1310934  
**BatchID:** 83423  
**Extraction Method:** SW5030B  
**Analytical Method:** SW8260B  
**Unit:** mg/Kg  
**Sample ID:** MB/LCS-83423  
 1310934-004AMS/MSD

## QC SUMMARY REPORT FOR SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acetone	ND	-	0.10	-	-	-	-
tert-Amyl methyl ether (TAME)	ND	0.05635	0.0050	0.050	-	113	70-130
Benzene	ND	0.04985	0.0050	0.050	-	99.7	70-130
Bromobenzene	ND	-	0.0050	-	-	-	-
Bromochloromethane	ND	-	0.0050	-	-	-	-
Bromodichloromethane	ND	-	0.0050	-	-	-	-
Bromoform	ND	-	0.0050	-	-	-	-
Bromomethane	ND	-	0.0050	-	-	-	-
2-Butanone (MEK)	ND	-	0.020	-	-	-	-
t-Butyl alcohol (TBA)	ND	0.2778	0.050	0.20	-	139, F2	70-130
n-Butyl benzene	ND	-	0.0050	-	-	-	-
sec-Butyl benzene	ND	-	0.0050	-	-	-	-
tert-Butyl benzene	ND	-	0.0050	-	-	-	-
Carbon Disulfide	ND	-	0.0050	-	-	-	-
Carbon Tetrachloride	ND	-	0.0050	-	-	-	-
Chlorobenzene	ND	0.05408	0.0050	0.050	-	108	70-130
Chloroethane	ND	-	0.0050	-	-	-	-
Chloroform	ND	-	0.0050	-	-	-	-
Chloromethane	ND	-	0.0050	-	-	-	-
2-Chlorotoluene	ND	-	0.0050	-	-	-	-
4-Chlorotoluene	ND	-	0.0050	-	-	-	-
Dibromochloromethane	ND	-	0.0050	-	-	-	-
1,2-Dibromo-3-chloropropane	ND	-	0.0040	-	-	-	-
1,2-Dibromoethane (EDB)	ND	0.0569	0.0040	0.050	-	114	70-130
Dibromomethane	ND	-	0.0050	-	-	-	-
1,2-Dichlorobenzene	ND	-	0.0050	-	-	-	-
1,3-Dichlorobenzene	ND	-	0.0050	-	-	-	-
1,4-Dichlorobenzene	ND	-	0.0050	-	-	-	-
Dichlorodifluoromethane	ND	-	0.0050	-	-	-	-
1,1-Dichloroethane	ND	-	0.0050	-	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.05422	0.0040	0.050	-	108	70-130
1,1-Dichloroethene	ND	0.04204	0.0050	0.050	-	84.1	70-130
cis-1,2-Dichloroethene	ND	-	0.0050	-	-	-	-
trans-1,2-Dichloroethene	ND	-	0.0050	-	-	-	-
1,2-Dichloropropane	ND	-	0.0050	-	-	-	-
1,3-Dichloropropane	ND	-	0.0050	-	-	-	-
2,2-Dichloropropane	ND	-	0.0050	-	-	-	-
1,1-Dichloropropene	ND	-	0.0050	-	-	-	-
cis-1,3-Dichloropropene	ND	-	0.0050	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.0050	-	-	-	-

(Cont.)



# Quality Control Report

**Client:** AEI Consultants  
**Date Prepared:** 10/29/13  
**Date Analyzed:** 10/29/13  
**Instrument:** GC16  
**Matrix:** Soil  
**Project:** #324771; FSI

**WorkOrder:** 1310934  
**BatchID:** 83423  
**Extraction Method:** SW5030B  
**Analytical Method:** SW8260B  
**Unit:** mg/Kg  
**Sample ID:** MB/LCS-83423  
 1310934-004AMS/MSD

## QC SUMMARY REPORT FOR SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Diisopropyl ether (DIPE)	ND	0.05189	0.0050	0.050	-	104	70-130
Ethylbenzene	ND	-	0.0050	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.05266	0.0050	0.050	-	105	70-130
Freon 113	ND	-	0.0050	-	-	-	-
Hexachlorobutadiene	ND	-	0.0050	-	-	-	-
Hexachloroethane	ND	-	0.0050	-	-	-	-
2-Hexanone	ND	-	0.0050	-	-	-	-
Isopropylbenzene	ND	-	0.0050	-	-	-	-
4-Isopropyl toluene	ND	-	0.0050	-	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.0573	0.0050	0.050	-	115	70-130
Methylene chloride	ND	-	0.0050	-	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	-	0.0050	-	-	-	-
Naphthalene	ND	-	0.0050	-	-	-	-
n-Propyl benzene	ND	-	0.0050	-	-	-	-
Styrene	ND	-	0.0050	-	-	-	-
1,1,1,2-Tetrachloroethane	ND	-	0.0050	-	-	-	-
1,1,2,2-Tetrachloroethane	ND	-	0.0050	-	-	-	-
Tetrachloroethene	ND	-	0.0050	-	-	-	-
Toluene	ND	0.05502	0.0050	0.050	-	110	70-130
1,2,3-Trichlorobenzene	ND	-	0.0050	-	-	-	-
1,2,4-Trichlorobenzene	ND	-	0.0050	-	-	-	-
1,1,1-Trichloroethane	ND	-	0.0050	-	-	-	-
1,1,2-Trichloroethane	ND	-	0.0050	-	-	-	-
Trichloroethene	ND	0.0533	0.0050	0.050	-	107	70-130
Trichlorofluoromethane	ND	-	0.0050	-	-	-	-
1,2,3-Trichloropropane	ND	-	0.0050	-	-	-	-
1,2,4-Trimethylbenzene	ND	-	0.0050	-	-	-	-
1,3,5-Trimethylbenzene	ND	-	0.0050	-	-	-	-
Vinyl Chloride	ND	-	0.0050	-	-	-	-
Xylenes, Total	ND	-	0.0050	-	-	-	-

### Surrogate Recovery

Dibromofluoromethane	0.1226	0.1207		0.12	98	97	70-130
Toluene-d8	0.1406	0.1429		0.12	112	114	70-130
4-BFB	0.01307	0.01254		0.012	105	100	70-130

(Cont.)



## Quality Control Report

**Client:** AEI Consultants  
**Date Prepared:** 10/29/13  
**Date Analyzed:** 10/29/13  
**Instrument:** GC16  
**Matrix:** Soil  
**Project:** #324771; FSI

**WorkOrder:** 1310934  
**BatchID:** 83423  
**Extraction Method:** SW5030B  
**Analytical Method:** SW8260B  
**Unit:** mg/Kg  
**Sample ID:** MB/LCS-83423  
 1310934-004AMS/MSD

### QC SUMMARY REPORT FOR SW8260B

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
tert-Amyl methyl ether (TAME)	0.0464	0.04594	0.050	ND	92.8	91.9	56-94	0.985	30
Benzene	0.04043	0.03939	0.050	ND	80.9	78.8	60-106	2.60	30
t-Butyl alcohol (TBA)	0.2134	0.2099	0.20	ND	107	105	56-140	1.64	30
Chlorobenzene	0.04289	0.04207	0.050	ND	85.8	84.1	61-108	1.91	30
1,2-Dibromoethane (EDB)	0.04507	0.04484	0.050	ND	90.1	89.7	54-119	0.517	30
1,2-Dichloroethane (1,2-DCA)	0.04445	0.04332	0.050	ND	88.9	86.6	48-115	2.58	30
1,1-Dichloroethene	0.03362	0.03308	0.050	ND	67.2	66.2	46-111	1.60	30
Diisopropyl ether (DIPE)	0.04171	0.04111	0.050	ND	83.4	82.2	53-111	1.46	30
Ethyl tert-butyl ether (ETBE)	0.04293	0.0422	0.050	ND	85.9	84.4	61-104	1.72	30
Methyl-t-butyl ether (MTBE)	0.04641	0.04557	0.050	ND	92.8	91.1	58-107	1.81	30
Toluene	0.04258	0.04175	0.050	ND	85.2	83.5	64-114	1.98	30
Trichloroethene	0.04322	0.04131	0.050	ND	86.4	82.6	60-116	4.52	30
<b>Surrogate Recovery</b>									
Dibromofluoromethane	0.1238	0.1235	0.12		99	99	70-130	0	30
Toluene-d8	0.1375	0.1374	0.12		110	110	70-130	0	30
4-BFB	0.0124	0.01299	0.012		99	104	70-130	4.69	30





# Quality Control Report

**Client:** AEI Consultants  
**Date Prepared:** 10/29/13  
**Date Analyzed:** 10/29/13  
**Instrument:** GC21  
**Matrix:** Soil  
**Project:** #324771; FSI

**WorkOrder:** 1310934  
**BatchID:** 83413  
**Extraction Method:** SW3550B  
**Analytical Method:** SW8270C  
**Unit:** mg/Kg  
**Sample ID:** MB/LCS-83413  
 1310906-002AMS/MSD

## QC SUMMARY REPORT FOR SW8270C

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acenaphthene	ND	3.609	0.25	5	-	72.2	30-130
Acenaphthylene	ND	-	0.25	-	-	-	-
Acetochlor	ND	-	0.25	-	-	-	-
Anthracene	ND	-	0.25	-	-	-	-
Benzidine	ND	-	1.3	-	-	-	-
Benzo (a) anthracene	ND	-	0.25	-	-	-	-
Benzo (b) fluoranthene	ND	-	0.25	-	-	-	-
Benzo (k) fluoranthene	ND	-	0.25	-	-	-	-
Benzo (g,h,i) perylene	ND	-	0.25	-	-	-	-
Benzo (a) pyrene	ND	-	0.25	-	-	-	-
Benzyl Alcohol	ND	-	1.3	-	-	-	-
1,1-Biphenyl	ND	-	0.25	-	-	-	-
Bis (2-chloroethoxy) Methane	ND	-	0.25	-	-	-	-
Bis (2-chloroethyl) Ether	ND	-	0.25	-	-	-	-
Bis (2-chloroisopropyl) Ether	ND	-	0.25	-	-	-	-
Bis (2-ethylhexyl) Adipate	ND	-	0.25	-	-	-	-
Bis (2-ethylhexyl) Phthalate	ND	-	0.25	-	-	-	-
4-Bromophenyl Phenyl Ether	ND	-	0.25	-	-	-	-
Butylbenzyl Phthalate	ND	-	0.25	-	-	-	-
4-Chloroaniline	ND	-	0.25	-	-	-	-
4-Chloro-3-methylphenol	ND	3.926	0.25	5	-	78.5	30-130
2-Chloronaphthalene	ND	-	0.25	-	-	-	-
2-Chlorophenol	ND	4.166	0.25	5	-	83.3	30-130
4-Chlorophenyl Phenyl Ether	ND	-	0.25	-	-	-	-
Chrysene	ND	-	0.25	-	-	-	-
Dibenzo (a,h) anthracene	ND	-	0.25	-	-	-	-
Dibenzofuran	ND	-	0.25	-	-	-	-
Di-n-butyl Phthalate	ND	-	0.25	-	-	-	-
1,2-Dichlorobenzene	ND	-	0.25	-	-	-	-
1,3-Dichlorobenzene	ND	-	0.25	-	-	-	-
1,4-Dichlorobenzene	ND	3.695	0.25	5	-	73.9	30-130
3,3-Dichlorobenzidine	ND	-	0.50	-	-	-	-
2,4-Dichlorophenol	ND	-	0.25	-	-	-	-
Diethyl Phthalate	ND	-	0.25	-	-	-	-
2,4-Dimethylphenol	ND	-	0.25	-	-	-	-
Dimethyl Phthalate	ND	-	0.25	-	-	-	-
4,6-Dinitro-2-methylphenol	ND	-	1.3	-	-	-	-
2,4-Dinitrophenol	ND	-	6.3	-	-	-	-
2,4-Dinitrotoluene	ND	3.897	0.25	5	-	77.9	30-130
2,6-Dinitrotoluene	ND	-	0.25	-	-	-	-

(Cont.)



## Quality Control Report

**Client:** AEI Consultants  
**Date Prepared:** 10/29/13  
**Date Analyzed:** 10/29/13  
**Instrument:** GC21  
**Matrix:** Soil  
**Project:** #324771; FSI

**WorkOrder:** 1310934  
**BatchID:** 83413  
**Extraction Method:** SW3550B  
**Analytical Method:** SW8270C  
**Unit:** mg/Kg  
**Sample ID:** MB/LCS-83413  
 1310906-002AMS/MSD

### QC SUMMARY REPORT FOR SW8270C

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Di-n-octyl Phthalate	ND	-	0.50	-	-	-	-
1,2-Diphenylhydrazine	ND	-	0.25	-	-	-	-
Fluoranthene	ND	-	0.25	-	-	-	-
Fluorene	ND	-	0.25	-	-	-	-
Hexachlorobenzene	ND	-	0.25	-	-	-	-
Hexachlorobutadiene	ND	-	0.25	-	-	-	-
Hexachlorocyclopentadiene	ND	-	1.3	-	-	-	-
Hexachloroethane	ND	-	0.25	-	-	-	-
Indeno (1,2,3-cd) pyrene	ND	-	0.25	-	-	-	-
Isophorone	ND	-	0.25	-	-	-	-
2-Methylnaphthalene	ND	-	0.25	-	-	-	-
2-Methylphenol (o-Cresol)	ND	-	0.25	-	-	-	-
3 &/or 4-Methylphenol (m,p-Cresol)	ND	-	0.25	-	-	-	-
Naphthalene	ND	-	0.25	-	-	-	-
2-Nitroaniline	ND	-	1.3	-	-	-	-
3-Nitroaniline	ND	-	1.3	-	-	-	-
4-Nitroaniline	ND	-	1.3	-	-	-	-
Nitrobenzene	ND	-	0.25	-	-	-	-
2-Nitrophenol	ND	-	1.3	-	-	-	-
4-Nitrophenol	ND	3.125	1.3	5	-	62.5	30-130
N-Nitrosodiphenylamine	ND	-	0.25	-	-	-	-
N-Nitrosodi-n-propylamine	ND	3.601	0.25	5	-	72	30-130
Pentachlorophenol	ND	3.563	1.3	5	-	71.3	30-130
Phenanthrene	ND	-	0.25	-	-	-	-
Phenol	ND	3.986	0.25	5	-	79.7	30-130
Pyrene	ND	3.925	0.25	5	-	78.5	30-130
1,2,4-Trichlorobenzene	ND	3.769	0.25	5	-	75.4	30-130
2,4,5-Trichlorophenol	ND	-	0.25	-	-	-	-
2,4,6-Trichlorophenol	ND	-	0.25	-	-	-	-

#### Surrogate Recovery

2-Fluorophenol	4.919	4.114		5	98	82	30-130
Phenol-d5	4.618	3.918		5	92	78	30-130
Nitrobenzene-d5	4.208	3.663		5	84	73	30-130
2-Fluorobiphenyl	3.922	3.343		5	78	67	30-130
2,4,6-Tribromophenol	3.923	3.347		5	78	67	30-130
4-Terphenyl-d14	4.121	3.525		5	82	71	30-130

(Cont.)



## Quality Control Report

**Client:** AEI Consultants  
**Date Prepared:** 10/29/13  
**Date Analyzed:** 10/29/13  
**Instrument:** GC21  
**Matrix:** Soil  
**Project:** #324771; FSI

**WorkOrder:** 1310934  
**BatchID:** 83413  
**Extraction Method:** SW3550B  
**Analytical Method:** SW8270C  
**Unit:** mg/Kg  
**Sample ID:** MB/LCS-83413  
 1310906-002AMS/MSD

### QC SUMMARY REPORT FOR SW8270C

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Acenaphthene	3.707	3.953	5	ND	74.1	79.1	30-130	6.42	30
4-Chloro-3-methylphenol	4.174	4.217	5	ND	83.5	84.3	30-130	1.04	30
2-Chlorophenol	4.227	4.354	5	ND	84.5	87.1	30-130	2.96	30
1,4-Dichlorobenzene	3.422	3.599	5	ND	68.4	72	30-130	5.04	30
2,4-Dinitrotoluene	4.122	4.334	5	ND	82.4	86.7	30-130	5.02	30
4-Nitrophenol	3.194	3.453	5	ND	63.9	69.1	30-130	7.80	30
N-Nitrosodi-n-propylamine	3.646	3.67	5	ND	72.9	73.4	30-130	0.653	30
Pentachlorophenol	3.856	4.639	5	ND	77.1	92.8	30-130	18.4	30
Phenol	4.166	4.167	5	ND	83.3	83.3	30-130	0	30
Pyrene	4.221	4.392	5	ND	84.4	87.8	30-130	3.97	30
1,2,4-Trichlorobenzene	3.492	3.779	5	ND	69.8	75.6	30-130	7.88	30
<b>Surrogate Recovery</b>									
2-Fluorophenol	4.224	4.285	5		84	86	30-130	1.44	30
Phenol-d5	4.089	4.082	5		82	82	30-130	0	30
Nitrobenzene-d5	3.541	3.724	5		71	74	30-130	5.01	30
2-Fluorobiphenyl	3.396	3.691	5		68	74	30-130	8.31	30
2,4,6-Tribromophenol	3.658	4.065	5		73	81	30-130	10.6	30
4-Terphenyl-d14	3.874	4.022	5		77	80	30-130	3.74	30



## Quality Control Report

**Client:** AEI Consultants  
**Date Prepared:** 10/30/13  
**Date Analyzed:** 10/30/13  
**Instrument:** O&G  
**Matrix:** Soil  
**Project:** #324771; FSI

**WorkOrder:** 1310934  
**BatchID:** 83445  
**Extraction Method:** SW9071B  
**Analytical Method:** SW9071B  
**Unit:** mg/Kg  
**Sample ID:** MB/LCS-83445  
 1310934-003AMS/MSD

### QC SUMMARY REPORT FOR SW9071B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
HEMSGT	ND	1832	100	2000	-	91.6	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
HEMSGT	1832	1793	2000	ND	91.6	89.7	70-130	2.11	30



## Quality Control Report

**Client:** AEI Consultants  
**Date Prepared:** 10/28/13  
**Date Analyzed:** 10/29/13  
**Instrument:** ICP-MS1  
**Matrix:** Soil  
**Project:** #324771; FSI

**WorkOrder:** 1310934  
**BatchID:** 83389  
**Extraction Method:** SW3050B  
**Analytical Method:** SW6020  
**Unit:** mg/Kg  
**Sample ID:** MB/LCS-83389  
 1310913-001AMS/MSD

### QC SUMMARY REPORT FOR SW6020

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Antimony	ND	50.65	0.50	50	-	101	75-125
Arsenic	ND	53.53	0.50	50	-	107	75-125
Barium	ND	524.1	5.0	500	-	105	75-125
Beryllium	ND	48.86	0.50	50	-	97.7	75-125
Cadmium	ND	51.44	0.25	50	-	103	75-125
Chromium	ND	50.68	0.50	50	-	101	75-125
Cobalt	ND	53.16	0.50	50	-	106	75-125
Copper	ND	54.84	0.50	50	-	110	75-125
Lead	ND	51.65	0.50	50	-	103	75-125
Mercury	ND	1.268	0.050	1.25	-	101	75-125
Molybdenum	ND	49.98	5.0	50	-	100	75-125
Nickel	ND	54.45	0.50	50	-	109	75-125
Selenium	ND	53.27	0.50	50	-	107	75-125
Silver	ND	50.74	0.50	50	-	101	75-125
Thallium	ND	45.99	0.50	50	-	92	75-125
Vanadium	ND	52.13	0.50	50	-	104	75-125
Zinc	ND	538.8	5.0	500	-	108	75-125
<b>Surrogate Recovery</b>							
Tb 350.917	479.3	482.3		500	96	96	70-130



# Quality Control Report

**Client:** AEI Consultants  
**Date Prepared:** 10/28/13  
**Date Analyzed:** 10/29/13  
**Instrument:** ICP-MS1  
**Matrix:** Soil  
**Project:** #324771; FSI

**WorkOrder:** 1310934  
**BatchID:** 83389  
**Extraction Method:** SW3050B  
**Analytical Method:** SW6020  
**Unit:** mg/Kg  
**Sample ID:** MB/LCS-83389  
 1310913-001AMS/MSD

## QC SUMMARY REPORT FOR SW6020

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Antimony	54.77	56.36	50	ND	110	113	75-125	2.86	20
Arsenic	58.28	58.86	50	1.181	114	115	75-125	0.990	20
Barium	630.8	644.1	500	395.1	47.1,F1	49.8,F1	75-125	2.09	20
Beryllium	53.02	54.83	50	ND	106	110	75-125	3.36	20
Cadmium	56.56	57.93	50	ND	113	116	75-125	2.39	20
Chromium	72.19	75.95	50	11.96	120	128,F1	75-125	5.08	20
Cobalt	58.3	59.12	50	2.808	111	113	75-125	1.40	20
Copper	65.64	63.32	50	5.593	120	115	75-125	3.60	20
Lead	59.13	60.43	50	2.535	113	116	75-125	2.17	20
Mercury	1.341	1.386	1.25	ND	107	111	75-125	3.30	20
Molybdenum	54.32	56.39	50	ND	109	113	75-125	3.74	20
Nickel	73.41	72.92	50	13.53	120	119	75-125	0.670	20
Selenium	56.17	57.13	50	ND	112	114	75-125	1.69	20
Silver	54.85	55.65	50	ND	110	111	75-125	1.45	20
Thallium	51.01	53.93	50	ND	102	108	75-125	5.57	20
Vanadium	84.96	80.92	50	16.91	136,F1	128,F1	75-125	4.87	20
Zinc	588.7	588.9	500	16.05	115	115	75-125	0	20
<b>Surrogate Recovery</b>									
Tb 350.917	538.3	553.7	500		108	111	70-130	2.82	20



# Quality Control Report

**Client:** AEI Consultants  
**Date Prepared:** 10/28/13  
**Date Analyzed:** 10/29/13  
**Instrument:** GC7  
**Matrix:** Soil  
**Project:** #324771; FSI

**WorkOrder:** 1310934  
**BatchID:** 83378  
**Extraction Method:** SW5030B  
**Analytical Method:** SW8021B/8015Bm  
**Unit:** mg/Kg  
**Sample ID:** MB/LCS-83378  
 1310814-002AMS/MSD

## QC SUMMARY REPORT FOR SW8021B/8015Bm

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH(btex)	ND	0.6344	0.40	0.60	-	106	70-130
MTBE	ND	0.09294	0.050	0.10	-	92.9	70-130
Benzene	ND	0.1142	0.0050	0.10	-	114	70-130
Toluene	ND	0.1062	0.0050	0.10	-	106	70-130
Ethylbenzene	ND	0.1196	0.0050	0.10	-	120	70-130
Xylenes	ND	0.3628	0.0050	0.30	-	121	70-130

**Surrogate Recovery**

2-Fluorotoluene	0.1182	0.1106		0.10	118	111	70-130
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Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	0.6112	0.6169	0.60	ND	102	103	70-130	0.919	20
MTBE	0.1014	0.09755	0.10	ND	101	97.5	70-130	3.89	20
Benzene	0.1206	0.1158	0.10	ND	121	116	70-130	4.05	20
Toluene	0.1109	0.1056	0.10	ND	111	106	70-130	4.93	20
Ethylbenzene	0.1218	0.1192	0.10	ND	122	119	70-130	2.19	20
Xylenes	0.3623	0.3566	0.30	0.0051	118	116	70-130	1.61	20

**Surrogate Recovery**

2-Fluorotoluene	0.1162	0.1137	0.10		116	114	70-130	2.20	20
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## Quality Control Report

**Client:** AEI Consultants  
**Date Prepared:** 10/28/13  
**Date Analyzed:** 10/29/13  
**Instrument:** GC6A, GC6B  
**Matrix:** Soil  
**Project:** #324771; FSI

**WorkOrder:** 1310934  
**BatchID:** 83380  
**Extraction Method:** SW3550B  
**Analytical Method:** SW8015B  
**Unit:** mg/Kg  
**Sample ID:** MB/LCS-83380  
 1310908-002AMS/MSD

### QC SUMMARY REPORT FOR SW8015B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH-Diesel (C10-C23)	ND	41.13	1.0	40	-	103	70-130
<b>Surrogate Recovery</b>							
C9	27.3	22.22		25	109	89	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	71.17	73.66	40	20.28	127	133,F1	70-130	3.43	30
<b>Surrogate Recovery</b>									
C9	26.63	26.65	25		107	107	70-130	0	30





1534 Willow Pass Rd  
Pittsburg, CA 94565-1701  
(925) 252-9262

# CHAIN-OF-CUSTODY RECORD

WorkOrder: 1310934

ClientCode: AEL

WaterTrax   
  WriteOn   
  EDF   
  Excel   
  EQuIS   
 Email   
 HardCopy   
 ThirdParty   
 J-flag

**Report to:**

Andrew Wallace  
AEI Consultants  
2500 Camino Diablo, Ste.#200  
Walnut Creek, CA 94597  
(925) 283-6000    FAX: (925) 944-2895

Email: awallace@aeiconsultants.com  
cc: jasmith@aeiconsultants.com  
PO:  
ProjectNo: #324771; FSI

**Bill to:**

Sara Guerin  
AEI Consultants  
2500 Camino Diablo, Ste. #200  
Walnut Creek, CA 94597  
AccountsPayable@AEIConsultants.c

**Requested TAT:**

**1 day**

**Date Received: 10/29/2013**

**Date Printed: 10/30/2013**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1310934-001	Tank-A-2'	Soil	10/29/2013 11:10	<input type="checkbox"/>	A	A	A		A	A						
1310934-002	Tank-B-2'	Soil	10/29/2013 13:20	<input type="checkbox"/>	A	A	A		A	A						
1310934-003	SP1-(1-4)	Soil	10/29/2013	<input type="checkbox"/>	A	A	A	A	A							
1310934-004	Tank-A-12'	Soil	10/29/2013 11:20	<input type="checkbox"/>	A				A							

**Test Legend:**

1	8260B_S	2	8270D_S	3	9071B_SG_S	4	CAM17MS_S	5	G-MBTX_S
6	LUFTMS_S	7		8		9		10	
11		12							

The following SamplIDs: 001A, 002A, 003A, 004A contain testgroup.

**Prepared by: Maria Venegas**

**Comments:**    24hr/72hr

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).  
Hazardous samples will be returned to client or disposed of at client expense.

1310934

samples take A & B only  
Composites only



**McCAMPBELL ANALYTICAL, INC.**

1534 WILLOW PASS ROAD  
PITTSBURG, CA 94565-1701

Website: [www.mccampbell.com](http://www.mccampbell.com) Email: [main@mccampbell.com](mailto:main@mccampbell.com)

Telephone: (877) 252-9262 Fax: (925) 252-9269

**CHAIN OF CUSTODY RECORD**

TURN AROUND TIME

**RUSH**

RUSH  24 HR  48 HR  72 HR  5 DAY

GeoTracker EDF  PDF  Excel  Write On (DW)

Check if sample is effluent and "J" flag is required

Report To: Andrew Wallace Bill To: AEI Consultants  
 Company: AEI Consultants  
 2500 Camino Diablo #200, Walnut Creek 94597  
 E-Mail: [awallace@aeiconsultants.com](mailto:awallace@aeiconsultants.com)  
 Tele: (925) 746-6000 x105 Fax: (925) 746-6099  
 Project #: 324771 Project Name: FSI  
 Project Location: 1630 Park St. Alameda  
 Sampler Signature: *[Signature]*

**Analysis Request**

**Other Comments**

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING		# Containers	Type Containers	MATRIX					METHOD PRESERVED				BTEX & TPH as Gas (602 / 8021 + 8015) / MTBE	TPH as Diesel (8015) and/or gas	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	MTBE / BTEX ONLY (EPA 602 / 8021)	EPA 505 / 608 / 8081 (CI Pesticides)	EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic CI Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNA's)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6020)	w/Silica Gel Clean Up Only	Filter Samples for Metals analysis: Yes / No
		Date	Time			Water	Soil	Air	Sludge	Other	ICE	HCL	HNO <sub>3</sub>	Other																		
Tank-A-2'		10/29/13	11:10am	1	STL	X					X			X									X	X			X		X			
Tank-B-2'			1:20pm	1		X							X										X	X			X		X			
SP1-(1-4)				4		X							X										X	X			X		X			
SP2-(1-4)				1		X							X										X	X			X		X			
TANK-A-12'		10/29/13	11:20am	1	STL	X							X										X	X			X		X			
SP2-(1-4)			2:45pm	4		X							X										X	X			X		X			
SP3-(1-4)			3:05pm	4		X							X										X	X			X		X			

Relinquished By: Andrew Wallace Date: 10/29/13 Time: 4:00 Received By: *[Signature]*

Relinquished By: Date: Time: Received By:

Relinquished By: Date: Time: Received By:

ICE/r 2.9  
 GOOD CONDITION \_\_\_\_\_  
 HEAD SPACE ABSENT \_\_\_\_\_  
 DECHLORINATED IN LAB \_\_\_\_\_  
 APPROPRIATE CONTAINERS \_\_\_\_\_  
 PRESERVED IN LAB \_\_\_\_\_

VOAS O&G METALS OTHER  
 PRESERVATION pH<2

COMMENTS:  
 Cancelled 10/29/13  
 Added motor oil 10/29/13



### Sample Receipt Checklist

Client Name: **AEI Consultants** Date and Time Received: **10/29/2013 4:07:08 PM**  
 Project Name: **#324771; FSI** Login Reviewed by: **Maria Venegas**  
 WorkOrder N°: **1310934** Matrix: Soil Carrier: Client Drop-In

#### Chain of Custody (COC) Information

Chain of custody present? Yes  No   
 Chain of custody signed when relinquished and received? Yes  No   
 Chain of custody agrees with sample labels? Yes  No   
 Sample IDs noted by Client on COC? Yes  No   
 Date and Time of collection noted by Client on COC? Yes  No   
 Sampler's name noted on COC? Yes  No

#### Sample Receipt Information

Custody seals intact on shipping container/cooler? Yes  No  NA   
 Shipping container/cooler in good condition? Yes  No   
 Samples in proper containers/bottles? Yes  No   
 Sample containers intact? Yes  No   
 Sufficient sample volume for indicated test? Yes  No

#### Sample Preservation and Hold Time (HT) Information

All samples received within holding time? Yes  No   
 Container/Temp Blank temperature Cooler Temp: -2.9°C NA   
 Water - VOA vials have zero headspace / no bubbles? Yes  No  NA   
 Sample labels checked for correct preservation? Yes  No   
 Metal - pH acceptable upon receipt (pH<2)? Yes  No  NA   
 Samples Received on Ice? Yes  No

(Ice Type: DRY ICE )

\* NOTE: If the "No" box is checked, see comments below.

-----  
 Comments:

**Appendix D**  
**Unauthorized Release Form**

## UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>FOR LOCAL AGENCY USE ONLY</b> I HEREBY CERTIFY THAT I AM A DESIGNATED GOVERNMENT EMPLOYEE AND THAT I HAVE REPORTED THIS INFORMATION TO LOCAL OFFICIALS PURSUANT TO SECTION 25180.7 OF THE HEALTH AND SAFETY CODE.	
REPORT DATE		CASE #		SIGNED _____ DATE _____	
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT <b>Andrew Wallace</b>		PHONE <b>(925) 746-6000</b>	SIGNATURE <i>Awall</i>	
	REPRESENTING <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> REGIONAL BOARD <input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> OTHER		COMPANY OR AGENCY NAME <b>AEI Consultants</b>		
	ADDRESS <b>2500 Camino Diablo</b> <span style="float: right;"><b>Walnut Creek</b> <b>CA</b> <b>94597</b></span> <small>STREET CITY STATE ZIP</small>				
RESPONSIBLE PARTY	NAME <b>Foley Street Investments LLC</b> <input type="checkbox"/> Unknown		CONTACT PERSON <b>John Buestad</b>		PHONE <b>(510) 523-1925</b>
	ADDRESS <b>1980 Mountain Blvd, Suite 208</b>		<b>Oakland</b>		<b>CA</b> <b>94611</b> <small>STATE ZIP</small>
SITE LOCATION	FACILITY NAME (IF APPLICABLE)		OPERATOR		PHONE ( )
	ADDRESS <b>1630 Park Street</b> <span style="float: right;"><b>Alameda</b> <b>Alameda</b> <b>94501</b></span> <small>STREET CITY COUNTY ZIP</small>				
	CROSS STREET <b>Tilden Way</b>				
IMPLEMENTING AGENCIES	LOCAL AGENCY AGENCY NAME <b>Alameda County Environmental Health Department</b>				PHONE <b>(510) 383-1767</b>
	REGIONAL BOARD <b>San Francisco Bay Area Water Resource Control Board</b>				PHONE <b>(510) 622-2300</b>
SUBSTANCES INVOLVED	(1) NAME		QUANTITY LOST (GALLONS) <input checked="" type="checkbox"/> Unknown		
	(2)		<input checked="" type="checkbox"/> Unknown		
DISCOVERY/ABATEMENT	DATE DISCOVERED <b>10/22/2013</b>	HOW DISCOVERED <input type="checkbox"/> Tank Test <input checked="" type="checkbox"/> Tank Removal <input type="checkbox"/> Nuisance Conditions <input type="checkbox"/> Inventory Control <input type="checkbox"/> Subsurface Monitoring <input type="checkbox"/> Other			
	DATE DISCHARGE BEGAN	METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY)			
	HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE <b>unknown</b>	<input type="checkbox"/> Remove Contents <input checked="" type="checkbox"/> Close Tank <input type="checkbox"/> Repair Tank <input type="checkbox"/> Change Procedure <input type="checkbox"/> Replace Tank <input type="checkbox"/> Other <input type="checkbox"/> Repair Piping			
SOURCE/ CAUSE	SOURCE OF DISCHARGE <input type="checkbox"/> Tank Leak <input type="checkbox"/> Piping Leak <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> Other		CAUSE(S) <input type="checkbox"/> Overfill <input type="checkbox"/> Corrosion <input type="checkbox"/> Rupture/Failure <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> Spill <input type="checkbox"/> Other		
	CHECK ONE ONLY <input checked="" type="checkbox"/> Undetermined <input type="checkbox"/> Soil Only <input type="checkbox"/> Groundwater <input type="checkbox"/> Drinking Water – (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)				
CURRENT STATUS	CHECK ONE ONLY				
	<input type="checkbox"/> No Action Taken <input type="checkbox"/> Leak Being Confirmed <input type="checkbox"/> Remediation Plan <input type="checkbox"/> Preliminary Site Assessment Workplan Submitted <input type="checkbox"/> Preliminary Site Assessment Underway		<input type="checkbox"/> Case Closed (Cleanup Completed or Unnecessary) <input type="checkbox"/> Pollution Characterization <input type="checkbox"/> Post Cleanup Monitoring in Progress <input checked="" type="checkbox"/> Cleanup Underway		
REMEDIAL ACTION	CHECK APPROPRIATE ACTION(S)				
	<input type="checkbox"/> Cap Site (CD) <input type="checkbox"/> Excavate & Treat (ET) <input type="checkbox"/> Treatment At Hookup (HU) <input type="checkbox"/> Other <input type="checkbox"/> Contamination Barrier (CB) <input type="checkbox"/> No Action Required (NA) <input type="checkbox"/> Enhanced Bio Degradation (IT) <input type="checkbox"/> Vacuum Extract (VE) <input type="checkbox"/> Remove Free Product (FP) <input type="checkbox"/> Replace Supply (RS) <input checked="" type="checkbox"/> Excavate & Dispose (ED) <input type="checkbox"/> Pump & Treat Groundwater (GT) <input type="checkbox"/> Vent Soil (VS)				
COMMENTS					

## Instructions for Completing UST Unauthorized Release (Leak) / Contamination Site Report

**EMERGENCY:** Indicate whether emergency response personnel and equipment were involved at any time. If so, a Hazardous Material Incident Report should be filed with the State Office of Emergency Services (OES). Indicate whether the OES report has been filed as of the date of this report.

**LOCAL AGENCY USE ONLY:** To avoid duplicate notifications pursuant to Health and safety Code Section 25180.7, a designated government employee should sign and date the form in this block. A signature here does not mean that the leak has been determined to pose a significant threat to human health or safety, only that notification procedures have been followed if required.

**REPORTED BY:** Enter name, telephone number, and address. Indicate which party you represent and provide company or agency name.

**SIGNATURE:** Sign the form in the space provided.

**RESPONSIBLE PARTY:** Enter the name, telephone number, contact person, and address of the party responsible for the leak. The Responsible Party would normally be the tank owner.

**SITE LOCATION:** Enter information regarding the tank facility. At a minimum, you must provide the facility name and full site address.

**IMPLEMENTING AGENCIES:** Enter the names of the local agency and Regional Water Quality Control Board having jurisdiction over the site.

**SUBSTANCES INVOLVED:** Enter the name and quantity lost of the hazardous substance(s) involved. If more than two substances leaked, list the two of most concern for cleanup.

**DISCOVERY/ABATEMENT:** Provide information regarding the discovery and abatement of the leak.

**SOURCE/CAUSE:** Indicate the source(s) of leak. Check box(es) indicating the cause(s) of leak.

**CASE TYPE:** Check one box only. Indicate the Case Type category for this leak. Case Type is based on the most sensitive resource affected. For example, if both soil and ground water have been affected, Case Type will be "Groundwater." Indicate "Drinking Water" only if one or more municipal or domestic water wells have actually been affected. A "Groundwater" designation does not imply that the affected water cannot be, or is not, used for drinking water, but only that water wells have not yet been affected. It is understood that Case Type may change upon further investigation.

**CURRENT STATUS:** Check one box only. Indicate the category which best describes the Current Status of the case. The response should be relative to the Case Type. For example, if the Case Type is "Groundwater," then Current Status should refer to the status of the ground water investigation or cleanup, as opposed to that of soil. Descriptions of options are as follows:

- **No Action Taken** – No action has been taken by the Responsible Party beyond initial reporting of the leak.
- **Leak Being Confirmed** – A leak is suspected at the site, but has not yet been confirmed.
- **Remediation Plan** – Remediation Plan submitted evaluating long term remediation options. Proposal and implementation schedule for appropriate remediation options also submitted.
- **Preliminary Site Assessment Workplan Submitted** – Workplan/proposal requested of/submitted by Responsible Party to determine whether ground water has been, or will be, impacted as a result of the release.
- **Preliminary Site Assessment Underway** – Workplan is being implemented.
- **Case Closed** – Regional Water Quality Control Board and local agency Local Oversight Program (LOP) agree that no further work is necessary at the site.
- **Pollution Characterization** – Responsible Party is in the process of fully defining the extent of contamination in soil and ground water and assessing impacts on surface and/or ground water.
- **Post Cleanup Monitoring in Progress** – Periodic ground water or other monitoring at site, as necessary, to verify and/or evaluate the effectiveness of remedial activities.
- **Cleanup Underway** – Remediation Plan is being implemented.

IMPORTANT: THE INFORMATION PROVIDED ON THIS FORM IS INTENDED FOR GENERAL STATISTICAL PURPOSES ONLY AND IS NOT TO BE CONSTRUED AS REPRESENTING THE OFFICIAL POSITION OF ANY GOVERNMENTAL AGENCY.

**REMEDIAL ACTION:** Indicate which actions have been used to clean up or remediate the leak. Descriptions of options are as follows:

- **Cap Site** – Install horizontal impermeable layer to reduce rainfall infiltration.
- **Containment Barrier** – Install vertical dike to block horizontal movement of contaminants.
- **Excavate and Dispose** – Remove contaminated soil and dispose at approved site.
- **Excavate and Treat** – Remove contaminated soil and treat (includes spreading or land farming).
- **Remove Free Product** – Remove floating product from water table.
- **Pump and Treat Groundwater** – Generally employed to remove dissolved contaminants.
- **Enhanced Biodegradation** – Use of any available technology to promote bacterial decomposition of contaminants.
- **Replace Supply** – Provide alternate water supply to affected parties.
- **Treatment at Hookup** – Install water treatment devices at each dwelling or other place of use.
- **Vacuum Extract** – Use pumps or blowers to draw air through soil.
- **Vent Soil** – Bore holes in soil to allow volatilization of contaminants.
- **No Action Required** – Incident is minor, requiring no remedial action.

**COMMENTS:** Use this space to elaborate on any aspects of the incident.

**DISTRIBUTION:** If this form is completed by the tank owner or his/her agent, retain a copy and forward the original to your local tank permitting agency for distribution.

- Original – Local UST permitting agency. (Agency contact information is available at [www.unidocs.org](http://www.unidocs.org).)
- Copy – Regional Water Quality Control Board. (Boundaries and contact information are available at [www.swrcb.ca.gov/regions.html](http://www.swrcb.ca.gov/regions.html).)
- Copy – Local Oversight Program (LOP) agency. (Agency contact information is available at [www.unidocs.org](http://www.unidocs.org).)
- Copy – Local Health Officer and County Board of Supervisors or their designee to receive Proposition 65 notifications.
- Copy – Owner/Responsible Party.