

SUMMARY REPORT  
71 BALSAM STREET (FORMERLY 211 BALSAM STREET)  
LAUREL BAY MILITARY HOUSING AREA  
MARINE CORPS AIR STATION BEAUFORT  
BEAUFORT, SC

Revision: 0  
Prepared for:

Department of the Navy  
Naval Facilities Engineering Command, Mid-Atlantic  
9324 Virginia Avenue  
Norfolk, Virginia 23511-3095

and



Naval Facilities Engineering Command Atlantic  
9324 Virginia Avenue  
Norfolk, Virginia 23511-3095

JUNE 2021

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Prepared by:



CDM - AECOM Multimedia Joint Venture  
10560 Arrowhead Drive, Suite 500  
Fairfax, Virginia 22030

Contract Number: N62470-14-D-9016  
CTO WE52  
JUNE 2021

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### List of Acronyms

bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, and xylenes
CTO	Contract Task Order
COPC	constituents of potential concern
IDIQ	Indefinite Delivery, Indefinite Quantity
IGWA	Initial Groundwater Assessment
JV	Joint Venture
LBMH	Laurel Bay Military Housing
MCAS	Marine Corps Air Station
NAVFAC Mid-Lant	Naval Facilities Engineering Command Mid-Atlantic
NFA	No Further Action
PAH	polynuclear aromatic hydrocarbon
QAPP	Quality Assurance Program Plan
RBSL	risk-based screening level
SCDHEC	South Carolina Department of Health and Environmental Control
Site	LBMH area at MCAS Beaufort, South Carolina
UST	underground storage tank
VISL	vapor intrusion screening level

## 1.0 INTRODUCTION

The CDM - AECOM Multimedia Joint Venture (JV) was contracted by the Naval Facilities Engineering Command, Mid-Atlantic (NAVFAC Mid-Lant) to provide reporting services for the heating oil underground storage tanks (USTs) located in Laurel Bay Military Housing (LBMH) area at the Marine Corps Air Station (MCAS) Beaufort, South Carolina (Site). This work has been awarded under Contract Task Order (CTO) WE52 of the Indefinite Delivery, Indefinite Quantity (IDIQ) Multimedia Environmental Compliance Contract (Contract No. N62470-14-D-9016).

As of January 2014, the LBMH addresses were re-numbered to comply with the E-911 emergency response addressing system; however, in order to remain consistent with historical sampling and reporting for LBMH area, the residences will continue to be referenced with their original address numbers in sample nomenclature and reporting documents.

This report summarizes the results the environmental investigation activities associated with the storage of home heating oil and the potential release of petroleum constituents at the referenced property. Based on the results of the investigation, a No Further Action (NFA) determination has been made by the South Carolina Department of Health and Environmental Control (SCDHEC) for 71 Balsam Street (Formerly 211 Balsam Street). This NFA determination indicates that there are no unacceptable risks to human health or the environment for the petroleum constituents associated with the home heating oil USTs. The following information is included in this report:

- Background information;
- Sampling activities and results; and
- A determination of the property status.

### 1.1 Background Information

The LBMH area is located approximately 3.5 miles west of MCAS Beaufort. The area is approximately 970 acres in size and serves as an enlisted and officer family housing area. The area is configured with single family and duplex residential structures, and includes recreation, open space, and community facilities. The community includes approximately 1,300 housing units, including legacy Capehart style homes and newer duplex style homes. The housing area

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is bordered on the west by salt marshes and the Broad River, and to the north, east and south by uplands. Forested areas lie along the northern and northeastern borders.

Capehart style homes within the LBMH area were formerly heated using heating oil stored in USTs at each residence. There were 1,100 Capehart style housing units in the LBMH area. The newer duplex homes within the LBMH area never utilized heating oil tanks. Heating oil has not been used at Laurel Bay since the mid-1980s. As was the accepted practice at the time, USTs were drained, filled with dirt, capped, and left in place when they were removed from service. Residential USTs are not regulated in the State of South Carolina (i.e., there are no federal or state laws governing installation, management, or removal).

In 2007, MCAS Beaufort began a voluntary program to remove the unregulated, residential USTs and conduct sampling activities to determine if, and to what extent, petroleum constituents may have impacted the surrounding environment. MCAS Beaufort coordinated with SCDHEC to develop removal procedures that were consistent with procedural requirements for regulated USTs. All tank removal activities and follow-on actions are conducted in coordination with SCDHEC. To date, all known USTs have been removed from all residential properties within the LBMH area.

## 1.2 UST Removal and Assessment Process

During the UST removal process, a soil sample was collected from beneath the UST excavations (approximately 4 to 6 feet [ft] below ground surface [bgs]) and analyzed for a predetermined list of constituents of potential concern (COPCs) associated with the petroleum compounds found in home heating oil. These COPCs, derived from the *Quality Assurance Program Plan (QAPP) for the Underground Storage Tank Management Division, Revision 3.1* (SCDHEC, 2016) and the *Underground Storage Tank Assessment Instructions for Permanent Closure and Change-In-Service*, (SCDHEC, 2018), are as follows:

- benzene, toluene, ethylbenzene, and xylenes (BTEX),
- naphthalene, and
- five select polynuclear aromatic hydrocarbon (PAHs): benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene and dibenz(a,h)anthracene.

Soil sample results were submitted by MCAS Beaufort to SCDHEC utilizing SCDHEC's UST Assessment Report form. In accordance with SCDHEC's *QAPP for the UST Management*

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*Division* (SCDHEC, 2016), the soil screening levels consists of SCDHEC risk-based screening levels (RBSLs). It should be noted that the RBSLs for select PAHs were revised in Revision 2.0 of the QAPP (SCDHEC, 2013) and were revised again in Revision 3.0 (SCDHEC, 2015). The screening levels used for evaluation at each site were those levels that were in effect at the time of reporting and review by SCDHEC.

The results of the soil sampling at each former UST location were used to determine if a potential for groundwater contamination exists (i.e., soil results greater than RBSLs) and subsequently to select properties for follow-up initial groundwater assessment (IGWA) sampling. The results of the IGWA sampling (if necessary) are used to determine the presence or absence of the aforementioned COPCs in groundwater and identify whether former UST locations will require additional delineation of COPCs in groundwater. In order to delineate the extent of impact to groundwater, permanent wells are installed and a sampling program is established for those former UST locations where IGWA sampling has indicated the presence of COPCs in excess of the SCDHEC RBSLs for groundwater. Groundwater analytical results are also compared to the site specific groundwater vapor intrusion screening levels (VISLs) to evaluate the potential for vapor intrusion and the necessity for an investigation associated with this media. A multi-media investigation selection process tree, applicable to the LBMH UST investigations, is presented as Appendix A.

## 2.0 SAMPLING ACTIVITIES AND RESULTS

The following section presents the sampling activities and associated results for 71 Balsam Street (Formerly 211 Balsam Street). Details regarding the soil investigation at this site are provided in the *SCDHEC UST Assessment Report – 211 Balsam Street* (MCAS Beaufort, 2011). The UST Assessment Report is provided in Appendix B.

### 2.1 UST Removal and Soil Sampling

On October 4, 2011, a single 280 gallon heating oil UST was removed from the landscaped area adjacent to the driveway at 71 Balsam Street (Formerly 211 Balsam Street). The former UST location is indicated on Figures 2 and 3 of the UST Assessment Report (Appendix B). The UST was removed and properly disposed of (i.e., shipped offsite for recycling or transported to a landfill). There was no visual evidence (i.e., staining or sheen) of petroleum impact at the time of the UST removal. According to the UST Assessment Report (Appendix B), the depth to the base of the UST was 5'9" bgs and a single soil sample was collected from that depth. The

sample was collected from the fill port side of the former UST to represent a worst case scenario.

Following UST removal, a soil sample was collected from the base of the excavation and shipped to an offsite laboratory for analysis of the petroleum COPCs. Sampling was performed in accordance with applicable South Carolina regulation R.61-92, Part 280 (SCDHEC, 2017) and assessment guidelines.

## 2.2 Soil Analytical Results

A summary of the laboratory analytical results and SCDHEC RBSLs is presented in Table 1. A copy of the laboratory analytical data report is included in the UST Assessment Report presented in Appendix B. The laboratory analytical data report includes the soil results for the additional PAHs that were analyzed, but do not have associated RBSLs.

The soil sample results were submitted by MCAS Beaufort to SCDHEC utilizing SCDHEC's UST Assessment Report form (Appendix B). The results of the soil sampling at the former UST location were used by MCAS Beaufort, in consultation with SCDHEC, to determine a path forward (i.e., additional sampling or NFA) for the property. The soil results collected from 71 Balsam Street (Formerly 211 Balsam Street) were less than the SCDHEC RBSLs, which indicated the subsurface was not impacted by COPCs associated with the former UST at concentrations that presented a potential risk to human health and the environment.

## 3.0 PROPERTY STATUS

Based on the analytical results for soil, SCDHEC made the determination that NFA was required for 71 Balsam Street (Formerly 211 Balsam Street). This NFA determination was obtained in a letter dated July 1, 2015. SCDHEC's NFA letter is provided in Appendix C.

## 4.0 REFERENCES

Marine Corps Air Station Beaufort, 2011. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 211 Balsam Street, Laurel Bay Military Housing Area*, December 2011.

South Carolina Department of Health and Environmental Control Bureau of Land and Waste Management, 2013. *Quality Assurance Program Plan for the Underground Storage Tank Management Division, Revision 2.0*, April 2013.



South Carolina Department of Health and Environmental Control Bureau of Land and Waste Management, 2015. *Quality Assurance Program Plan for the Underground Storage Tank Management Division, Revision 3.0*, May 2015.

South Carolina Department of Health and Environmental Control Bureau of Land and Waste Management, 2016. *Quality Assurance Program Plan for the Underground Storage Tank Management Division, Revision 3.1*, February 2016.

South Carolina Department of Health and Environmental Control Bureau of Land and Waste Management, 2017. *R.61-92, Part 280, Underground Storage Tank Control Regulations*, March 2017.

South Carolina Department of Health and Environmental Control Bureau of Land and Waste Management, 2018. *Underground Storage Tank Assessment Instructions for Permanent Closure and Change-In-Service*, March 2018.

## Table

**Table 1**  
**Laboratory Analytical Results - Soil**  
**71 Balsam Street (Formerly 211 Balsam Street)**  
**Laurel Bay Military Housing Area**  
**Marine Corps Air Station Beaufort**  
**Beaufort, South Carolina**

Constituent	SCDHEC RBSLs <sup>(1)</sup>	Results Sample Collected 10/04/11
<b>Volatile Organic Compounds Analyzed by EPA Method 8260B (mg/kg)</b>		
Benzene	0.003	ND
Ethylbenzene	1.15	<b>0.00561</b>
Naphthalene	0.036	<b>0.0220</b>
Toluene	0.627	ND
Xylenes, Total	13.01	ND
<b>Semivolatile Organic Compounds Analyzed by EPA Method 8270D (mg/kg)</b>		
Benzo(a)anthracene	0.66	ND
Benzo(b)fluoranthene	0.66	<b>0.0536</b>
Benzo(k)fluoranthene	0.66	<b>0.0409</b>
Chrysene	0.66	<b>0.0767</b>
Dibenz(a,h)anthracene	0.66	ND

**Notes:**

<sup>(1)</sup> South Carolina Risk-Based Screening Levels from the Quality Assurance Program Plan for the Underground Storage Tank Management Division, Revision 3.0 and 3.1 (SCDHEC, May 2015 and SCDHEC, February 2016) and the Underground Storage Tank Assessment Guidelines (SCDHEC, February 2006).

Bold font indicates the analyte was detected.

Bold font and shading indicates the concentration exceeds the SCDHEC RBSL.

EPA - United States Environmental Protection Agency

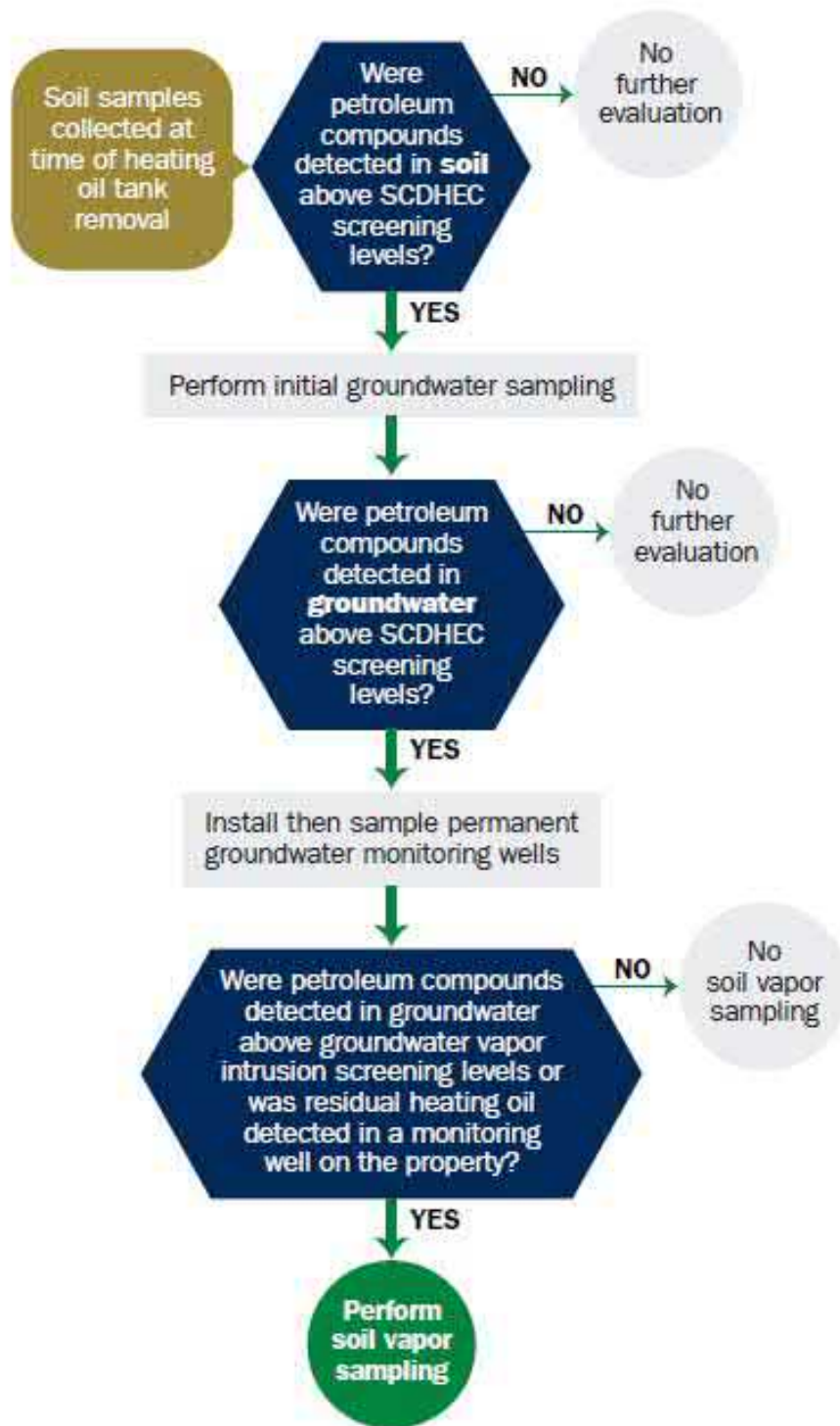
mg/kg - milligram per kilogram

ND - not detected at the reporting limit (or method detection limit if shown on the laboratory report). The laboratory report is provided in Appendix B.

RBSL - Risk-Based Screening Level

SCDHEC - South Carolina Department Of Health and Environmental Control

**Appendix A**  
**Multi-Media Selection Process for LBMH**



Appendix A - Multi-Media Selection Process for LBMH

**Appendix B**  
**UST Assessment Report**

South Carolina Department of Health and Environmental Control (SCDHEC)  
**Underground Storage Tank (UST) Assessment Report**

Date Received
State Use Only

Submit Completed Form To:  
UST Program  
SCDHEC  
2600 Bull Street  
Columbia, South Carolina 29201  
Telephone (803) 896-7957

**RECEIVED**

DEC 08 2011

SC DHEC - Bureau of  
Land & Waste Management

**I. OWNERSHIP OF UST (S)**

MCAS Beaufort, Commanding Officer Attn: NREAO (Craig Ehde)		
Owner Name (Corporation, Individual, Public Agency, Other)		
P.O. Box 55001		
Mailing Address		
Beaufort,	South Carolina	29904-5001
City	State	Zip Code
843	228-7317	Craig Ehde
Area Code	Telephone Number	Contact Person

**II. SITE IDENTIFICATION AND LOCATION**

Permit I.D. #	
Laurel Bay Military Housing Area, Marine Corps Air Station, Beaufort, SC	
Facility Name or Company Site Identifier	
211 Balsam Drive, Laurel Bay Military Housing Area	
Street Address or State Road (as applicable)	
Beaufort,	Beaufort
City	County

### III. INSURANCE INFORMATION

#### Insurance Statement

The petroleum release reported to DHEC on \_\_\_\_\_ at Permit ID Number \_\_\_\_\_ may qualify to receive state monies to pay for appropriate site rehabilitation activities. Before participation is allowed in the State Clean-up fund, written confirmation of the existence or non-existence of an environmental insurance policy is required. **This section must be completed.**

Is there now, or has there ever been an insurance policy or other financial mechanism that covers this UST release? **YES** \_\_\_ **NO** \_\_\_ (check one)

If you answered **YES** to the above question, please complete the following information:

My policy provider is: \_\_\_\_\_  
The policy deductible is: \_\_\_\_\_  
The policy limit is: \_\_\_\_\_

If you have this type of insurance, please include a copy of the policy with this report.

### IV. REQUEST FOR SUPERB FUNDING

I **DO** / **DO NOT** wish to participate in the SUPERB Program. (Circle one.)

### V. CERTIFICATION (To be signed by the UST owner)

**I certify that I have personally examined and am familiar with the information submitted in this and all attached documents; and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.**

\_\_\_\_\_  
Name (Type or print.)

\_\_\_\_\_  
Signature

#### To be completed by Notary Public:

Sworn before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_

\_\_\_\_\_  
(Name)

Notary Public for the state of \_\_\_\_\_  
*Please affix State seal if you are commissioned outside South Carolina*



**VI. UST INFORMATION**

- A. Product...(ex. Gas, Kerosene).....
- B. Capacity...(ex. 1k, 2k).....
- C. Age.....
- D. Construction Material...(ex. Steel, FRP).....
- E. Month/Year of Last Use.....
- F. Depth (ft.) To Base of Tank.....
- G. Spill Prevention Equipment Y/N.....
- H. Overfill Prevention Equipment Y/N.....
- I. Method of Closure Removed/Filled.....
- J. Date Tanks Removed/Filled.....
- K. Visible Corrosion or Pitting Y/N.....
- L. Visible Holes Y/N.....

211Balsam		
Heating oil		
280 gal		
Late 1950s		
Steel		
Mid 80s		
5'9"		
No		
No		
Removed		
10/4/2011		
Yes		
Yes		

- M. Method of disposal for any USTs removed from the ground (attach disposal manifests)  
UST 211Balsam was removed from the ground, and disposed at a  
Subtitle "D" landfill. See Attachment "A".
- N. Method of disposal for any liquid petroleum, sludges, or wastewaters removed from the USTs (attach disposal manifests)  
UST 211Balsam had been previously filled with sand by others.
- O. If any corrosion, pitting, or holes were observed, describe the location and extent for each UST  
Corrosion, pitting and holes were present throughout the tank.

## VII. PIPING INFORMATION

- A. Construction Material..(ex. Steel, FRP).....
- B. Distance from UST to Dispenser.....
- C. Number of Dispensers.....
- D. Type of System Pressure or Suction.....
- E. Was Piping Removed from the Ground? Y/N
- F. Visible Corrosion or Pitting Y/N.....
- G. Visible Holes Y/N.....
- H. Age.....

211Balsam		
Steel & Copper		
N/A		
N/A		
Suction		
No		
Yes		
No		
Late 1950s		

- I. If any corrosion, pitting, or holes were observed, describe the location and extent for each piping run.

Steel vent piping was corroded and pitted. All copper supply and return piping were sound.

## VIII. BRIEF SITE DESCRIPTION AND HISTORY

The USTs at the residences are constructed of single wall steel and formerly contained fuel oil for heating. These USTs were installed in the late 1950s and last used in the mid 1980s.

## IX. SITE CONDITIONS

	Yes	No	Unk
<p>A. Were any petroleum-stained or contaminated soils found in the UST excavation, soil borings, trenches, or monitoring wells?</p> <p>If yes, indicate depth and location on the site map.</p>		X	
<p>B. Were any petroleum odors detected in the excavation, soil borings, trenches, or monitoring wells?</p> <p>If yes, indicate location on site map and describe the odor (strong, mild, etc.)</p>		X	
<p>C. Was water present in the UST excavation, soil borings, or trenches?</p> <p>If yes, how far below land surface (indicate location and depth)?</p>		X	
<p>D. Did contaminated soils remain stockpiled on site after closure?</p> <p>If yes, indicate the stockpile location on the site map.</p> <p>Name of DHEC representative authorizing soil removal:</p>		X	
<p>E. Was a petroleum sheen or free product detected on any excavation or boring waters?</p> <p>If yes, indicate location and thickness.</p>		X	

## X. SAMPLE INFORMATION

A. SCDHEC Lab Certification Number 84009

B.

Sample #	Location	Sample Type (Soil/Water)	Soil Type (Sand/Clay)	Depth*	Date/Time of Collection	Collected by	OVA #
211 Balsam	Excav at fill end	Soil	Sandy	5' 9"	10/4/11 1200 hrs	P. Shaw	
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

\* = Depth Below the Surrounding Land Surface

## XI. SAMPLING METHODOLOGY

Provide a detailed description of the methods used to collect and store the samples. Also include the preservative used for each sample. Please use the space provided below.

Sampling was performed in accordance with SC DHEC R.61-92 Part 280 and SC DHEC Assessment Guidelines. Sample containers were prepared by the testing laboratory. The grab method was utilized to fill the sample containers leaving as little head space as possible and immediately capped. Soil samples were extracted from area below tank. The samples were marked, logged, and immediately placed in a sample cooler packed with ice to maintain an approximate temperature of 4 degrees Centigrade. Tools were thoroughly cleaned and decontaminated with the seven step decon process after each use. The samples remained in custody of SBG-EEG, Inc. until they were transferred to Test America Incorporated for analysis as documented in the Chain of Custody Record.

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## XII. RECEPTORS

	Yes	No
<p>A. Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the UST system?</p> <p>If yes, indicate type of receptor, distance, and direction on site map.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>B. Are there any public, private, or irrigation water supply wells within 1000 feet of the UST system?</p> <p>If yes, indicate type of well, distance, and direction on site map.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>C. Are there any underground structures (e.g., basements) Located within 100 feet of the UST system?</p> <p>If yes, indicate type of structure, distance, and direction on site map.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>D. Are there any underground utilities (e.g., telephone, electricity, gas, water, sewer, storm drain) located within 100 feet of the UST system that could potentially come in contact with the contamination?</p> <p style="text-align: right; margin-right: 100px;">*Sewer, water, electricity, cable &amp; fiber optic</p> <p>If yes, indicate the type of utility, distance, and direction on the site map.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>E. Has contaminated soil been identified at a depth less than 3 feet below land surface in an area that is not capped by asphalt or concrete?</p> <p>If yes, indicate the area of contaminated soil on the site map.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

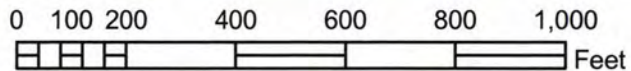
### **XIII. SITE MAP**

**You must supply a scaled site map. It should include all buildings, road names, utilities, tank and dispenser island locations, labeled sample locations, extent of excavation, and any other pertinent information.**

(Attach Site Map Here)



**211 BALSAM**



**SBG-EEG, Inc.**

398 E. 5th North Street, Suite C  
Summerville SC 29483-6954

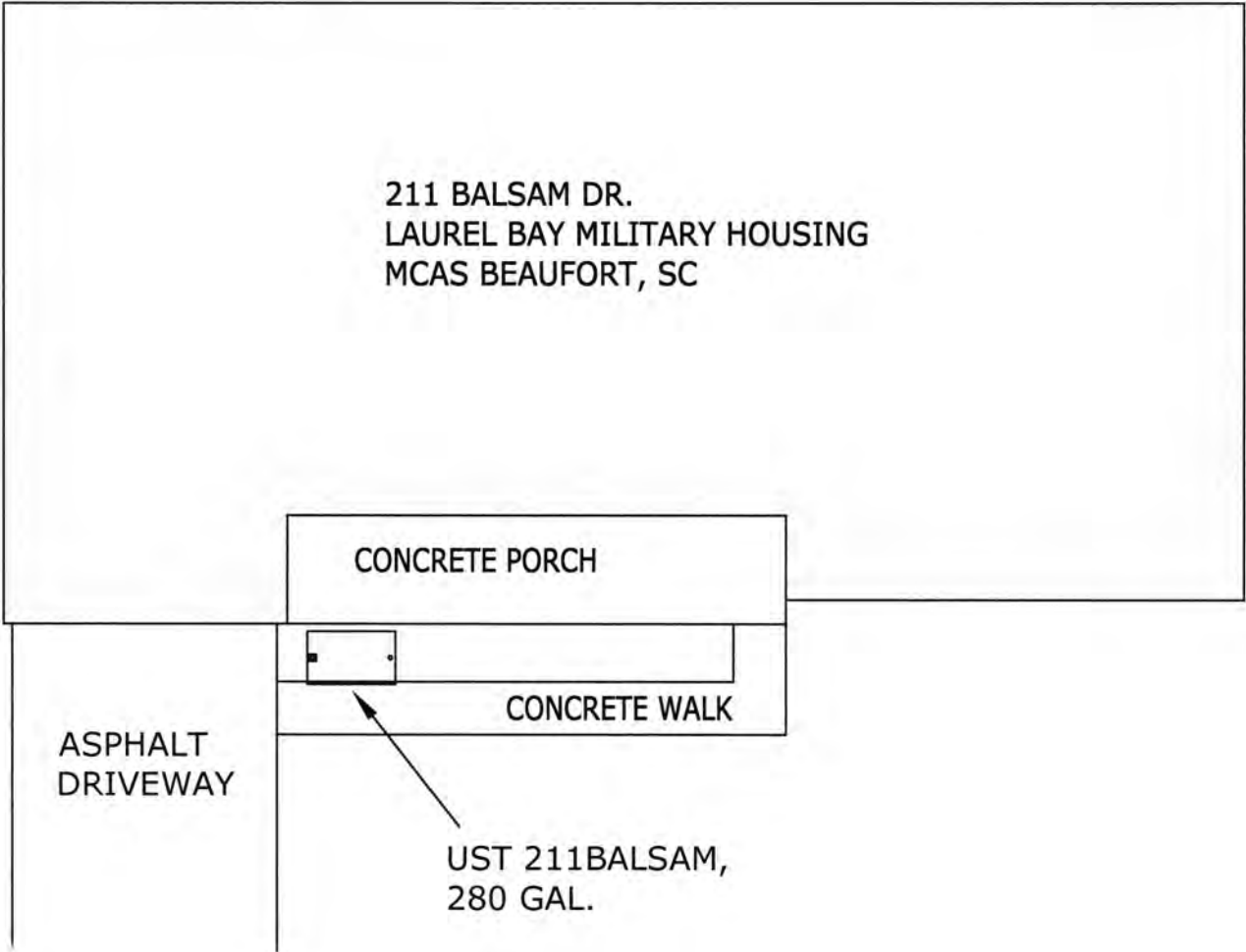
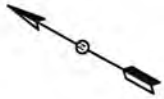
Ph. (843) 875-1930

Drawn By: L. DiAsio

Dwg Date: OCT 2011

**FIGURE 1: LOCATION MAP  
211 BALSAM DRIVE  
LAUREL BAY, BEAUFORT SC**





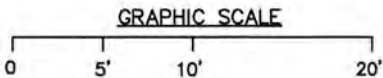
211 BALSAM DR.  
LAUREL BAY MILITARY HOUSING  
MCAS BEAUFORT, SC

CONCRETE PORCH

CONCRETE WALK

ASPHALT  
DRIVEWAY

UST 211BALSAM,  
280 GAL.



**SBG-EEG**

398 E. 5 NORTH ST., SUITE C  
SUMMERVILLE, SC  
29483-6954

FIGURE 2 SITE MAP  
211 BALSAM DR., LAUREL BAY  
MCAS BEAUFORT SC

SCALE: GRAPHIC

DWG DATE OCT 2011

211 BALSAM DR.

EXCAVATION

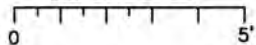
FILL END



SOIL SAMPLE  
211 BALSAM

UST 211BALSAM  
280 GAL.

GRAPHIC SCALE



TANK WAS 33" BELOW GRADE

**SBG-EEG**

398 E. 5 NORTH ST, SUITE C  
SUMMERVILLE, SC  
29483-6954

FIGURE 3 UST SAMPLE LOCATIONS  
211 BALSAM DR., LAUREL BAY  
MCAS BEAUFORT SC

SCALE: GRAPHIC

DWG DATE OCT 2011



Picture 1: Location of UST 211Balsam.



Picture 2: UST 211Balsam.

**XIV. SUMMARY OF ANALYSIS RESULTS**

Enter the soil analytical data for each soil boring for all COC in the table below and on the following page.

<b>CoC</b>	UST	211Balsam					
<b>Benzene</b>		ND					
<b>Toluene</b>		ND					
<b>Ethylbenzene</b>		0.00561 mg/kg					
<b>Xylenes</b>		ND					
<b>Naphthalene</b>		0.0220 mg/kg					
<b>Benzo (a) anthracene</b>		ND					
<b>Benzo (b) fluoranthene</b>		0.0536 mg/kg					
<b>Benzo (k) fluoranthene</b>		0.0409 mg/kg					
<b>Chrysene</b>		0.0767 mg/kg					
<b>Dibenz (a, h) anthracene</b>		ND					
<b>TPH (EPA 3550)</b>							

<b>CoC</b>							
<b>Benzene</b>							
<b>Toluene</b>							
<b>Ethylbenzene</b>							
<b>Xylenes</b>							
<b>Naphthalene</b>							
<b>Benzo (a) anthracene</b>							
<b>Benzo (b) fluoranthene</b>							
<b>Benzo (k) fluoranthene</b>							
<b>Chrysene</b>							
<b>Dibenz (a, h) anthracene</b>							
<b>TPH (EPA 3550)</b>							

**SUMMARY OF ANALYSIS RESULTS (cont'd)**

Enter the ground water analytical data for each sample for all CoC in the table below. If free product is present, indicate the measured thickness to the nearest 0.01 feet.

<b>CoC</b>	<b>RBSL (µg/l)</b>	<b>W-1</b>	<b>W-2</b>	<b>W -3</b>	<b>W -4</b>
<b>Free Product Thickness</b>	<b>None</b>				
<b>Benzene</b>	<b>5</b>				
<b>Toluene</b>	<b>1,000</b>				
<b>Ethylbenzene</b>	<b>700</b>				
<b>Xylenes</b>	<b>10,000</b>				
<b>Total BTEX</b>	<b>N/A</b>				
<b>MTBE</b>	<b>40</b>				
<b>Naphthalene</b>	<b>25</b>				
<b>Benzo (a) anthracene</b>	<b>10</b>				
<b>Benzo (b) flouranthene</b>	<b>10</b>				
<b>Benzo (k) flouranthene</b>	<b>10</b>				
<b>Chrysene</b>	<b>10</b>				
<b>Dibenz (a, h) anthracene</b>	<b>10</b>				
<b>EDB</b>	<b>.05</b>				
<b>1,2-DCA</b>	<b>5</b>				
<b>Lead</b>	<b>Site specific</b>				

## **XV. ANALYTICAL RESULTS**

**You must submit the laboratory report and chain-of-custody form for the samples. These samples must be analyzed by a South Carolina certified laboratory.**

(Attach Certified Analytical Results and Chain-of-Custody Here)  
(Please see Form #4)

October 20, 2011 2:39:50PM

Client: EEG - Small Business Group, Inc. (2449)  
10179 Highway 78  
Ladson, SC 29456  
Attn: Tom McElwee

Work Order: NUJ1063  
Project Name: Laurel Bay Housing Project  
Project Nbr: [none]  
P/O Nbr: 1027  
Date Received: 10/08/11

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
210 Balsam	NUJ1063-01	10/03/11 12:15
211 Balsam	NUJ1063-02	10/04/11 12:00
212 Balsam	NUJ1063-03	10/05/11 11:45
219 Balsam	NUJ1063-04	10/06/11 11:45

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

This material is intended only for the use of the individual(s) or entity to whom it is addressed, and may contain information that is privileged and confidential. If you are not the intended recipient, or the employee or agent responsible for delivering this material to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this material is strictly prohibited. If you have received this material in error, please notify us immediately at 615-726-0177.

South Carolina Certification Number: 84009

The Chain(s) of Custody, 2 pages, are included and are an integral part of this report.

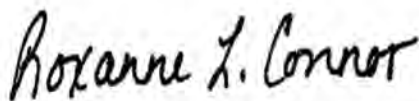
These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

All solids results are reported in wet weight unless specifically stated.

Estimated uncertainty is available upon request.

This report has been electronically signed.

Report Approved By:



Roxanne Connor

Program Manager - Conventional Accounts

Client EEG - Small Business Group, Inc. (2449)  
 10179 Highway 78  
 Ladson, SC 29456  
 Attn Tom McElwee

Work Order: NUJ1063  
 Project Name: Laurel Bay Housing Project  
 Project Number: [none]  
 Received: 10/08/11 08:30

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
<b>Sample ID: NUJ1063-01 (210 Balsam - Soil) Sampled: 10/03/11 12:15</b>										
General Chemistry Parameters										
% Dry Solids	79.9		%	0.500	0.500	1	10/18/11 13:54	SW-846	RRS	11J3898
Volatile Organic Compounds by EPA Method 8260B										
Benzene	ND		mg/kg dry	0.00135	0.00246	1	10/12/11 17:24	SW846 8260B	KKK	11J2700
Ethylbenzene	ND		mg/kg dry	0.00135	0.00246	1	10/12/11 17:24	SW846 8260B	KKK	11J2700
Naphthalene	ND		mg/kg dry	0.00307	0.00615	1	10/12/11 17:24	SW846 8260B	KKK	11J2700
Toluene	ND		mg/kg dry	0.00135	0.00246	1	10/12/11 17:24	SW846 8260B	KKK	11J2700
Xylenes, total	ND		mg/kg dry	0.00307	0.00615	1	10/12/11 17:24	SW846 8260B	KKK	11J2700
Surr: 1,2-Dichloroethane-d4 (70-130%)	103 %					1	10/12/11 17:24	SW846 8260B	KKK	11J2700
Surr: Dibromofluoromethane (70-130%)	102 %					1	10/12/11 17:24	SW846 8260B	KKK	11J2700
Surr: Toluene-d8 (70-130%)	98 %					1	10/12/11 17:24	SW846 8260B	KKK	11J2700
Surr: 4-Bromofluorobenzene (70-130%)	103 %					1	10/12/11 17:24	SW846 8260B	KKK	11J2700
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0424	0.0836	1	10/11/11 14:49	SW846 8270D	BES	11J1919
Acenaphthylene	ND		mg/kg dry	0.0424	0.0836	1	10/11/11 14:49	SW846 8270D	BES	11J1919
Anthracene	ND		mg/kg dry	0.0424	0.0836	1	10/11/11 14:49	SW846 8270D	BES	11J1919
Benzo (a) anthracene	ND		mg/kg dry	0.0424	0.0836	1	10/11/11 14:49	SW846 8270D	BES	11J1919
Benzo (a) pyrene	ND		mg/kg dry	0.0424	0.0836	1	10/11/11 14:49	SW846 8270D	BES	11J1919
Benzo (b) fluoranthene	ND		mg/kg dry	0.0424	0.0836	1	10/11/11 14:49	SW846 8270D	BES	11J1919
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0424	0.0836	1	10/11/11 14:49	SW846 8270D	BES	11J1919
Benzo (k) fluoranthene	ND		mg/kg dry	0.0424	0.0836	1	10/11/11 14:49	SW846 8270D	BES	11J1919
Chrysene	ND		mg/kg dry	0.0424	0.0836	1	10/11/11 14:49	SW846 8270D	BES	11J1919
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0424	0.0836	1	10/11/11 14:49	SW846 8270D	BES	11J1919
Fluoranthene	ND		mg/kg dry	0.0424	0.0836	1	10/11/11 14:49	SW846 8270D	BES	11J1919
Fluorene	ND		mg/kg dry	0.0424	0.0836	1	10/11/11 14:49	SW846 8270D	BES	11J1919
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0424	0.0836	1	10/11/11 14:49	SW846 8270D	BES	11J1919
Naphthalene	ND		mg/kg dry	0.0424	0.0836	1	10/11/11 14:49	SW846 8270D	BES	11J1919
Phenanthrene	ND		mg/kg dry	0.0424	0.0836	1	10/11/11 14:49	SW846 8270D	BES	11J1919
Pyrene	ND		mg/kg dry	0.0424	0.0836	1	10/11/11 14:49	SW846 8270D	BES	11J1919
1-Methylnaphthalene	ND		mg/kg dry	0.0424	0.0836	1	10/11/11 14:49	SW846 8270D	BES	11J1919
2-Methylnaphthalene	ND		mg/kg dry	0.0424	0.0836	1	10/11/11 14:49	SW846 8270D	BES	11J1919
Surr: Terphenyl-d14 (18-120%)	72 %					1	10/11/11 14:49	SW846 8270D	BES	11J1919
Surr: 2-Fluorobiphenyl (14-120%)	55 %					1	10/11/11 14:49	SW846 8270D	BES	11J1919
Surr: Nitrobenzene-d5 (17-120%)	58 %					1	10/11/11 14:49	SW846 8270D	BES	11J1919



Client EEG - Small Business Group, Inc. (2449)  
 10179 Highway 78  
 Ladson, SC 29456  
 Attn Tom McElwee

Work Order: NUJ1063  
 Project Name: Laurel Bay Housing Project  
 Project Number: [none]  
 Received: 10/08/11 08:30

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
<b>Sample ID: NUJ1063-02 (211 Balsam - Soil) Sampled: 10/04/11 12:00</b>										
General Chemistry Parameters										
% Dry Solids	82.9		%	0.500	0.500	1	10/18/11 13:54	SW-846	RRS	11J3898
Volatile Organic Compounds by EPA Method 8260B										
Benzene	ND		mg/kg dry	0.00107	0.00195	1	10/13/11 13:47	SW846 8260B	KKK	11J3141
Ethylbenzene	0.00561		mg/kg dry	0.00107	0.00195	1	10/13/11 13:47	SW846 8260B	KKK	11J3141
Naphthalene	0.0220		mg/kg dry	0.00243	0.00486	1	10/13/11 13:47	SW846 8260B	KKK	11J3141
Toluene	ND		mg/kg dry	0.00107	0.00195	1	10/13/11 13:47	SW846 8260B	KKK	11J3141
Xylenes, total	ND		mg/kg dry	0.00243	0.00486	1	10/13/11 13:47	SW846 8260B	KKK	11J3141
Surr: 1,2-Dichloroethane-d4 (70-130%)	102 %					1	10/13/11 13:47	SW846 8260B	KKK	11J3141
Surr: Dibromofluoromethane (70-130%)	101 %					1	10/13/11 13:47	SW846 8260B	KKK	11J3141
Surr: Toluene-d8 (70-130%)	103 %					1	10/13/11 13:47	SW846 8260B	KKK	11J3141
Surr: 4-Bromofluorobenzene (70-130%)	130 %					1	10/13/11 13:47	SW846 8260B	KKK	11J3141
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0405	0.0798	1	10/11/11 15:15	SW846 8270D	BES	11J1919
Acenaphthylene	0.0409	J	mg/kg dry	0.0405	0.0798	1	10/11/11 15:15	SW846 8270D	BES	11J1919
Anthracene	ND		mg/kg dry	0.0405	0.0798	1	10/11/11 15:15	SW846 8270D	BES	11J1919
Benzo (a) anthracene	ND		mg/kg dry	0.0405	0.0798	1	10/11/11 15:15	SW846 8270D	BES	11J1919
Benzo (a) pyrene	0.124		mg/kg dry	0.0405	0.0798	1	10/11/11 15:15	SW846 8270D	BES	11J1919
Benzo (b) fluoranthene	0.0536	J	mg/kg dry	0.0405	0.0798	1	10/11/11 15:15	SW846 8270D	BES	11J1919
Benzo (g,h,i) perylene	0.0604	J	mg/kg dry	0.0405	0.0798	1	10/11/11 15:15	SW846 8270D	BES	11J1919
Benzo (k) fluoranthene	0.0409	J	mg/kg dry	0.0405	0.0798	1	10/11/11 15:15	SW846 8270D	BES	11J1919
Chrysene	0.0767	J	mg/kg dry	0.0405	0.0798	1	10/11/11 15:15	SW846 8270D	BES	11J1919
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0405	0.0798	1	10/11/11 15:15	SW846 8270D	BES	11J1919
Fluoranthene	ND		mg/kg dry	0.0405	0.0798	1	10/11/11 15:15	SW846 8270D	BES	11J1919
Fluorene	ND		mg/kg dry	0.0405	0.0798	1	10/11/11 15:15	SW846 8270D	BES	11J1919
Indeno (1,2,3-cd) pyrene	0.0504	J	mg/kg dry	0.0405	0.0798	1	10/11/11 15:15	SW846 8270D	BES	11J1919
Naphthalene	ND		mg/kg dry	0.0405	0.0798	1	10/11/11 15:15	SW846 8270D	BES	11J1919
Phenanthrene	0.0592	J	mg/kg dry	0.0405	0.0798	1	10/11/11 15:15	SW846 8270D	BES	11J1919
Pyrene	0.0707	J	mg/kg dry	0.0405	0.0798	1	10/11/11 15:15	SW846 8270D	BES	11J1919
1-Methylnaphthalene	0.0719	J	mg/kg dry	0.0405	0.0798	1	10/11/11 15:15	SW846 8270D	BES	11J1919
2-Methylnaphthalene	0.0691	J	mg/kg dry	0.0405	0.0798	1	10/11/11 15:15	SW846 8270D	BES	11J1919
Surr: Terphenyl-d14 (18-120%)	74 %					1	10/11/11 15:15	SW846 8270D	BES	11J1919
Surr: 2-Fluorobiphenyl (14-120%)	53 %					1	10/11/11 15:15	SW846 8270D	BES	11J1919
Surr: Nitrobenzene-d5 (17-120%)	61 %					1	10/11/11 15:15	SW846 8270D	BES	11J1919

Client EEG - Small Business Group, Inc. (2449)  
 10179 Highway 78  
 Ladson, SC 29456  
 Attn Tom McElwee

Work Order: NUJ1063  
 Project Name: Laurel Bay Housing Project  
 Project Number: [none]  
 Received: 10/08/11 08:30

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
<b>Sample ID: NUJ1063-03 (212 Balsam - Soil) Sampled: 10/05/11 11:45</b>										
General Chemistry Parameters										
% Dry Solids	87.0		%	0.500	0.500	1	10/18/11 13:54	SW-846	RRS	11J3898
Volatile Organic Compounds by EPA Method 8260B										
Benzene	ND		mg/kg dry	0.00126	0.00229	1	10/12/11 18:25	SW846 8260B	KKK	11J2700
Ethylbenzene	ND		mg/kg dry	0.00126	0.00229	1	10/12/11 18:25	SW846 8260B	KKK	11J2700
Naphthalene	ND		mg/kg dry	0.00286	0.00572	1	10/12/11 18:25	SW846 8260B	KKK	11J2700
Toluene	ND		mg/kg dry	0.00126	0.00229	1	10/12/11 18:25	SW846 8260B	KKK	11J2700
Xylenes, total	ND		mg/kg dry	0.00286	0.00572	1	10/12/11 18:25	SW846 8260B	KKK	11J2700
Surr: 1,2-Dichloroethane-d4 (70-130%)	104 %					1	10/12/11 18:25	SW846 8260B	KKK	11J2700
Surr: Dibromofluoromethane (70-130%)	101 %					1	10/12/11 18:25	SW846 8260B	KKK	11J2700
Surr: Toluene-d8 (70-130%)	100 %					1	10/12/11 18:25	SW846 8260B	KKK	11J2700
Surr: 4-Bromofluorobenzene (70-130%)	113 %					1	10/12/11 18:25	SW846 8260B	KKK	11J2700
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0379	0.0748	1	10/11/11 15:41	SW846 8270D	BES	11J1919
Acenaphthylene	ND		mg/kg dry	0.0379	0.0748	1	10/11/11 15:41	SW846 8270D	BES	11J1919
Anthracene	ND		mg/kg dry	0.0379	0.0748	1	10/11/11 15:41	SW846 8270D	BES	11J1919
Benzo (a) anthracene	ND		mg/kg dry	0.0379	0.0748	1	10/11/11 15:41	SW846 8270D	BES	11J1919
Benzo (a) pyrene	ND		mg/kg dry	0.0379	0.0748	1	10/11/11 15:41	SW846 8270D	BES	11J1919
Benzo (b) fluoranthene	ND		mg/kg dry	0.0379	0.0748	1	10/11/11 15:41	SW846 8270D	BES	11J1919
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0379	0.0748	1	10/11/11 15:41	SW846 8270D	BES	11J1919
Benzo (k) fluoranthene	ND		mg/kg dry	0.0379	0.0748	1	10/11/11 15:41	SW846 8270D	BES	11J1919
Chrysene	ND		mg/kg dry	0.0379	0.0748	1	10/11/11 15:41	SW846 8270D	BES	11J1919
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0379	0.0748	1	10/11/11 15:41	SW846 8270D	BES	11J1919
Fluoranthene	ND		mg/kg dry	0.0379	0.0748	1	10/11/11 15:41	SW846 8270D	BES	11J1919
Fluorene	ND		mg/kg dry	0.0379	0.0748	1	10/11/11 15:41	SW846 8270D	BES	11J1919
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0379	0.0748	1	10/11/11 15:41	SW846 8270D	BES	11J1919
Naphthalene	ND		mg/kg dry	0.0379	0.0748	1	10/11/11 15:41	SW846 8270D	BES	11J1919
Phenanthrene	ND		mg/kg dry	0.0379	0.0748	1	10/11/11 15:41	SW846 8270D	BES	11J1919
Pyrene	ND		mg/kg dry	0.0379	0.0748	1	10/11/11 15:41	SW846 8270D	BES	11J1919
1-Methylnaphthalene	ND		mg/kg dry	0.0379	0.0748	1	10/11/11 15:41	SW846 8270D	BES	11J1919
2-Methylnaphthalene	ND		mg/kg dry	0.0379	0.0748	1	10/11/11 15:41	SW846 8270D	BES	11J1919
Surr: Terphenyl-d14 (18-120%)	46 %					1	10/11/11 15:41	SW846 8270D	BES	11J1919
Surr: 2-Fluorobiphenyl (14-120%)	39 %					1	10/11/11 15:41	SW846 8270D	BES	11J1919
Surr: Nitrobenzene-d5 (17-120%)	43 %					1	10/11/11 15:41	SW846 8270D	BES	11J1919

Client EEG - Small Business Group, Inc. (2449)  
 10179 Highway 78  
 Ladson, SC 29456  
 Attn Tom McElwee

Work Order: NUJ1063  
 Project Name: Laurel Bay Housing Project  
 Project Number: [none]  
 Received: 10/08/11 08:30

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
<b>Sample ID: NUJ1063-04 (219 Balsam - Soil) Sampled: 10/06/11 11:45</b>										
General Chemistry Parameters										
% Dry Solids	91.2		%	0.500	0.500	1	10/18/11 13:54	SW-846	RRS	11J3898
Volatile Organic Compounds by EPA Method 8260B										
Benzene	ND		mg/kg dry	0.00129	0.00235	1	10/12/11 18:56	SW846 8260B	KKK	11J2700
Ethylbenzene	ND		mg/kg dry	0.00129	0.00235	1	10/12/11 18:56	SW846 8260B	KKK	11J2700
Naphthalene	ND		mg/kg dry	0.00294	0.00588	1	10/12/11 18:56	SW846 8260B	KKK	11J2700
Toluene	ND		mg/kg dry	0.00129	0.00235	1	10/12/11 18:56	SW846 8260B	KKK	11J2700
Xylenes, total	ND		mg/kg dry	0.00294	0.00588	1	10/12/11 18:56	SW846 8260B	KKK	11J2700
Surr: 1,2-Dichloroethane-d4 (70-130%)	104 %					1	10/12/11 18:56	SW846 8260B	KKK	11J2700
Surr: Dibromofluoromethane (70-130%)	102 %					1	10/12/11 18:56	SW846 8260B	KKK	11J2700
Surr: Toluene-d8 (70-130%)	100 %					1	10/12/11 18:56	SW846 8260B	KKK	11J2700
Surr: 4-Bromofluorobenzene (70-130%)	101 %					1	10/12/11 18:56	SW846 8260B	KKK	11J2700
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0365	0.0718	1	10/11/11 16:07	SW846 8270D	BES	11J1919
Acenaphthylene	ND		mg/kg dry	0.0365	0.0718	1	10/11/11 16:07	SW846 8270D	BES	11J1919
Anthracene	ND		mg/kg dry	0.0365	0.0718	1	10/11/11 16:07	SW846 8270D	BES	11J1919
Benzo (a) anthracene	ND		mg/kg dry	0.0365	0.0718	1	10/11/11 16:07	SW846 8270D	BES	11J1919
Benzo (a) pyrene	ND		mg/kg dry	0.0365	0.0718	1	10/11/11 16:07	SW846 8270D	BES	11J1919
Benzo (b) fluoranthene	ND		mg/kg dry	0.0365	0.0718	1	10/11/11 16:07	SW846 8270D	BES	11J1919
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0365	0.0718	1	10/11/11 16:07	SW846 8270D	BES	11J1919
Benzo (k) fluoranthene	ND		mg/kg dry	0.0365	0.0718	1	10/11/11 16:07	SW846 8270D	BES	11J1919
Chrysene	ND		mg/kg dry	0.0365	0.0718	1	10/11/11 16:07	SW846 8270D	BES	11J1919
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0365	0.0718	1	10/11/11 16:07	SW846 8270D	BES	11J1919
Fluoranthene	ND		mg/kg dry	0.0365	0.0718	1	10/11/11 16:07	SW846 8270D	BES	11J1919
Fluorene	ND		mg/kg dry	0.0365	0.0718	1	10/11/11 16:07	SW846 8270D	BES	11J1919
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0365	0.0718	1	10/11/11 16:07	SW846 8270D	BES	11J1919
Naphthalene	ND		mg/kg dry	0.0365	0.0718	1	10/11/11 16:07	SW846 8270D	BES	11J1919
Phenanthrene	ND		mg/kg dry	0.0365	0.0718	1	10/11/11 16:07	SW846 8270D	BES	11J1919
Pyrene	ND		mg/kg dry	0.0365	0.0718	1	10/11/11 16:07	SW846 8270D	BES	11J1919
1-Methylnaphthalene	ND		mg/kg dry	0.0365	0.0718	1	10/11/11 16:07	SW846 8270D	BES	11J1919
2-Methylnaphthalene	ND		mg/kg dry	0.0365	0.0718	1	10/11/11 16:07	SW846 8270D	BES	11J1919
Surr: Terphenyl-d14 (18-120%)	60 %					1	10/11/11 16:07	SW846 8270D	BES	11J1919
Surr: 2-Fluorobiphenyl (14-120%)	46 %					1	10/11/11 16:07	SW846 8270D	BES	11J1919
Surr: Nitrobenzene-d5 (17-120%)	58 %					1	10/11/11 16:07	SW846 8270D	BES	11J1919

Client EEG - Small Business Group, Inc. (2449)  
 10179 Highway 78  
 Ladson, SC 29456  
 Attn Tom McElwee

Work Order: NUJ1063  
 Project Name: Laurel Bay Housing Project  
 Project Number: [none]  
 Received: 10/08/11 08:30

### SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extract Vol	Date	Analyst	Extraction Method
<b>Polyaromatic Hydrocarbons by EPA 8270D</b>							
SW846 8270D	11J1919	NUJ1063-01	30.08	1.00	10/11/11 07:42	KDJ	EPA 3550C
SW846 8270D	11J1919	NUJ1063-02	30.36	1.00	10/11/11 07:42	KDJ	EPA 3550C
SW846 8270D	11J1919	NUJ1063-03	30.90	1.00	10/11/11 07:42	KDJ	EPA 3550C
SW846 8270D	11J1919	NUJ1063-04	30.67	1.00	10/11/11 07:42	KDJ	EPA 3550C
<b>Volatile Organic Compounds by EPA Method 8260B</b>							
SW846 8260B	11J2700	NUJ1063-01	5.09	5.00	10/03/11 12:15	AAN	EPA 5035
SW846 8260B	11J2700	NUJ1063-02	6.23	5.00	10/04/11 12:00	AAN	EPA 5035
SW846 8260B	11J3141	NUJ1063-02RE1	6.20	5.00	10/04/11 12:00	AAN	EPA 5035
SW846 8260B	11J3141	NUJ1063-02RE2	5.82	5.00	10/04/11 12:00	AAN	EPA 5035
SW846 8260B	11J2700	NUJ1063-03	5.02	5.00	10/05/11 11:45	AAN	EPA 5035
SW846 8260B	11J2700	NUJ1063-04	4.66	5.00	10/06/11 11:45	AAN	EPA 5035

Client EEG - Small Business Group, Inc. (2449)  
 10179 Highway 78  
 Ladson, SC 29456  
 Attn Tom McElwee

Work Order: NUJ1063  
 Project Name: Laurel Bay Housing Project  
 Project Number: [none]  
 Received: 10/08/11 08:30

**PROJECT QUALITY CONTROL DATA**  
**Blank**

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8260B</b>						
<b>11J2700-BLK1</b>						
Benzene	<0.00110		mg/kg wet	11J2700	11J2700-BLK1	10/12/11 11:58
Ethylbenzene	<0.00110		mg/kg wet	11J2700	11J2700-BLK1	10/12/11 11:58
Naphthalene	<0.00250		mg/kg wet	11J2700	11J2700-BLK1	10/12/11 11:58
Toluene	<0.00110		mg/kg wet	11J2700	11J2700-BLK1	10/12/11 11:58
Xylenes, total	<0.00250		mg/kg wet	11J2700	11J2700-BLK1	10/12/11 11:58
Surrogate: 1,2-Dichloroethane-d4	101%			11J2700	11J2700-BLK1	10/12/11 11:58
Surrogate: Dibromofluoromethane	103%			11J2700	11J2700-BLK1	10/12/11 11:58
Surrogate: Toluene-d8	99%			11J2700	11J2700-BLK1	10/12/11 11:58
Surrogate: 4-Bromofluorobenzene	100%			11J2700	11J2700-BLK1	10/12/11 11:58
<b>11J2700-BLK2</b>						
Benzene	<0.0550		mg/kg wet	11J2700	11J2700-BLK2	10/12/11 12:29
Ethylbenzene	<0.0550		mg/kg wet	11J2700	11J2700-BLK2	10/12/11 12:29
Naphthalene	<0.125		mg/kg wet	11J2700	11J2700-BLK2	10/12/11 12:29
Toluene	<0.0550		mg/kg wet	11J2700	11J2700-BLK2	10/12/11 12:29
Xylenes, total	<0.125		mg/kg wet	11J2700	11J2700-BLK2	10/12/11 12:29
Surrogate: 1,2-Dichloroethane-d4	99%			11J2700	11J2700-BLK2	10/12/11 12:29
Surrogate: Dibromofluoromethane	103%			11J2700	11J2700-BLK2	10/12/11 12:29
Surrogate: Toluene-d8	105%			11J2700	11J2700-BLK2	10/12/11 12:29
Surrogate: 4-Bromofluorobenzene	102%			11J2700	11J2700-BLK2	10/12/11 12:29
<b>11J3141-BLK1</b>						
Benzene	<0.00110		mg/kg wet	11J3141	11J3141-BLK1	10/13/11 11:46
Ethylbenzene	<0.00110		mg/kg wet	11J3141	11J3141-BLK1	10/13/11 11:46
Naphthalene	<0.00250		mg/kg wet	11J3141	11J3141-BLK1	10/13/11 11:46
Toluene	<0.00110		mg/kg wet	11J3141	11J3141-BLK1	10/13/11 11:46
Xylenes, total	<0.00250		mg/kg wet	11J3141	11J3141-BLK1	10/13/11 11:46
Surrogate: 1,2-Dichloroethane-d4	105%			11J3141	11J3141-BLK1	10/13/11 11:46
Surrogate: Dibromofluoromethane	103%			11J3141	11J3141-BLK1	10/13/11 11:46
Surrogate: Toluene-d8	107%			11J3141	11J3141-BLK1	10/13/11 11:46
Surrogate: 4-Bromofluorobenzene	99%			11J3141	11J3141-BLK1	10/13/11 11:46
<b>11J3141-BLK2</b>						
Benzene	<0.0550		mg/kg wet	11J3141	11J3141-BLK2	10/13/11 12:16
Ethylbenzene	<0.0550		mg/kg wet	11J3141	11J3141-BLK2	10/13/11 12:16
Naphthalene	<0.125		mg/kg wet	11J3141	11J3141-BLK2	10/13/11 12:16
Toluene	<0.0550		mg/kg wet	11J3141	11J3141-BLK2	10/13/11 12:16
Xylenes, total	<0.125		mg/kg wet	11J3141	11J3141-BLK2	10/13/11 12:16
Surrogate: 1,2-Dichloroethane-d4	105%			11J3141	11J3141-BLK2	10/13/11 12:16
Surrogate: Dibromofluoromethane	104%			11J3141	11J3141-BLK2	10/13/11 12:16
Surrogate: Toluene-d8	97%			11J3141	11J3141-BLK2	10/13/11 12:16
Surrogate: 4-Bromofluorobenzene	100%			11J3141	11J3141-BLK2	10/13/11 12:16

Client EEG - Small Business Group, Inc. (2449)  
 10179 Highway 78  
 Ladson, SC 29456  
 Attn Tom McElwee

Work Order: NUJ1063  
 Project Name: Laurel Bay Housing Project  
 Project Number: [none]  
 Received: 10/08/11 08:30

**PROJECT QUALITY CONTROL DATA**  
**Blank - Cont.**

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8260B</b>						
<b>Polyaromatic Hydrocarbons by EPA 8270D</b>						
<b>11J1919-BLK1</b>						
Acenaphthene	<0.0340		mg/kg wet	11J1919	11J1919-BLK1	10/11/11 13:06
Acenaphthylene	<0.0340		mg/kg wet	11J1919	11J1919-BLK1	10/11/11 13:06
Anthracene	<0.0340		mg/kg wet	11J1919	11J1919-BLK1	10/11/11 13:06
Benzo (a) anthracene	<0.0340		mg/kg wet	11J1919	11J1919-BLK1	10/11/11 13:06
Benzo (a) pyrene	<0.0340		mg/kg wet	11J1919	11J1919-BLK1	10/11/11 13:06
Benzo (b) fluoranthene	<0.0340		mg/kg wet	11J1919	11J1919-BLK1	10/11/11 13:06
Benzo (g,h,i) perylene	<0.0340		mg/kg wet	11J1919	11J1919-BLK1	10/11/11 13:06
Benzo (k) fluoranthene	<0.0340		mg/kg wet	11J1919	11J1919-BLK1	10/11/11 13:06
Chrysene	<0.0340		mg/kg wet	11J1919	11J1919-BLK1	10/11/11 13:06
Dibenz (a,h) anthracene	<0.0340		mg/kg wet	11J1919	11J1919-BLK1	10/11/11 13:06
Fluoranthene	<0.0340		mg/kg wet	11J1919	11J1919-BLK1	10/11/11 13:06
Fluorene	<0.0340		mg/kg wet	11J1919	11J1919-BLK1	10/11/11 13:06
Indeno (1,2,3-cd) pyrene	<0.0340		mg/kg wet	11J1919	11J1919-BLK1	10/11/11 13:06
Naphthalene	<0.0340		mg/kg wet	11J1919	11J1919-BLK1	10/11/11 13:06
Phenanthrene	<0.0340		mg/kg wet	11J1919	11J1919-BLK1	10/11/11 13:06
Pyrene	<0.0340		mg/kg wet	11J1919	11J1919-BLK1	10/11/11 13:06
1-Methylnaphthalene	<0.0340		mg/kg wet	11J1919	11J1919-BLK1	10/11/11 13:06
2-Methylnaphthalene	<0.0340		mg/kg wet	11J1919	11J1919-BLK1	10/11/11 13:06
Surrogate: Terphenyl-d14	73%			11J1919	11J1919-BLK1	10/11/11 13:06
Surrogate: 2-Fluorobiphenyl	55%			11J1919	11J1919-BLK1	10/11/11 13:06
Surrogate: Nitrobenzene-d5	57%			11J1919	11J1919-BLK1	10/11/11 13:06

Client EEG - Small Business Group, Inc. (2449)  
10179 Highway 78  
Ladson, SC 29456  
Attn Tom McElwee

Work Order: NUJ1063  
Project Name: Laurel Bay Housing Project  
Project Number: [none]  
Received: 10/08/11 08:30

**PROJECT QUALITY CONTROL DATA**  
**Duplicate**

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	% Rec.	Analyzed Date/Time
<b>General Chemistry Parameters</b>										
<b>11J3898-DUP1</b>										
% Dry Solids	79.0	78.9		%	0.07	20	11J3898	NUJ0917-05		10/18/11 13:54

Client EEG - Small Business Group, Inc. (2449)  
 10179 Highway 78  
 Ladson, SC 29456  
 Attn Tom McElwee

Work Order: NUJ1063  
 Project Name: Laurel Bay Housing Project  
 Project Number: [none]  
 Received: 10/08/11 08:30

**PROJECT QUALITY CONTROL DATA**  
**LCS**

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8260B</b>								
<b>11J2700-BS1</b>								
Benzene	50.0	44.9		ug/kg	90%	75 - 127	11J2700	10/12/11 10:27
Ethylbenzene	50.0	46.9		ug/kg	94%	80 - 134	11J2700	10/12/11 10:27
Naphthalene	50.0	39.8		ug/kg	80%	69 - 150	11J2700	10/12/11 10:27
Toluene	50.0	47.1		ug/kg	94%	80 - 132	11J2700	10/12/11 10:27
Xylenes, total	150	142		ug/kg	95%	80 - 137	11J2700	10/12/11 10:27
Surrogate: 1,2-Dichloroethane-d4	50.0	52.8			106%	70 - 130	11J2700	10/12/11 10:27
Surrogate: Dibromofluoromethane	50.0	52.5			105%	70 - 130	11J2700	10/12/11 10:27
Surrogate: Toluene-d8	50.0	49.3			99%	70 - 130	11J2700	10/12/11 10:27
Surrogate: 4-Bromofluorobenzene	50.0	47.7			95%	70 - 130	11J2700	10/12/11 10:27
<b>11J3141-BS1</b>								
Benzene	50.0	49.8		ug/kg	100%	75 - 127	11J3141	10/13/11 10:16
Ethylbenzene	50.0	52.3		ug/kg	105%	80 - 134	11J3141	10/13/11 10:16
Naphthalene	50.0	42.6		ug/kg	85%	69 - 150	11J3141	10/13/11 10:16
Toluene	50.0	53.1		ug/kg	106%	80 - 132	11J3141	10/13/11 10:16
Xylenes, total	150	160		ug/kg	107%	80 - 137	11J3141	10/13/11 10:16
Surrogate: 1,2-Dichloroethane-d4	50.0	52.0			104%	70 - 130	11J3141	10/13/11 10:16
Surrogate: Dibromofluoromethane	50.0	53.1			106%	70 - 130	11J3141	10/13/11 10:16
Surrogate: Toluene-d8	50.0	49.8			100%	70 - 130	11J3141	10/13/11 10:16
Surrogate: 4-Bromofluorobenzene	50.0	46.8			94%	70 - 130	11J3141	10/13/11 10:16
<b>Polyaromatic Hydrocarbons by EPA 8270D</b>								
<b>11J1919-BS1</b>								
Acenaphthene	1.67	1.10		mg/kg wet	66%	36 - 120	11J1919	10/11/11 13:32
Acenaphthylene	1.67	0.999		mg/kg wet	60%	38 - 120	11J1919	10/11/11 13:32
Anthracene	1.67	1.34		mg/kg wet	80%	46 - 124	11J1919	10/11/11 13:32
Benzo (a) anthracene	1.67	1.16		mg/kg wet	70%	45 - 120	11J1919	10/11/11 13:32
Benzo (a) pyrene	1.67	1.31		mg/kg wet	79%	45 - 120	11J1919	10/11/11 13:32
Benzo (b) fluoranthene	1.67	1.24		mg/kg wet	75%	42 - 120	11J1919	10/11/11 13:32
Benzo (g,h,i) perylene	1.67	1.19		mg/kg wet	71%	38 - 120	11J1919	10/11/11 13:32
Benzo (k) fluoranthene	1.67	1.22		mg/kg wet	73%	42 - 120	11J1919	10/11/11 13:32
Chrysene	1.67	1.16		mg/kg wet	69%	43 - 120	11J1919	10/11/11 13:32
Dibenz (a,h) anthracene	1.67	1.15		mg/kg wet	69%	32 - 128	11J1919	10/11/11 13:32
Fluoranthene	1.67	1.32		mg/kg wet	79%	46 - 120	11J1919	10/11/11 13:32
Fluorene	1.67	1.12		mg/kg wet	67%	42 - 120	11J1919	10/11/11 13:32
Indeno (1,2,3-cd) pyrene	1.67	1.17		mg/kg wet	70%	41 - 121	11J1919	10/11/11 13:32
Naphthalene	1.67	0.956		mg/kg wet	57%	32 - 120	11J1919	10/11/11 13:32
Phenanthrene	1.67	1.29		mg/kg wet	77%	45 - 120	11J1919	10/11/11 13:32
Pyrene	1.67	1.22		mg/kg wet	73%	43 - 120	11J1919	10/11/11 13:32
1-Methylnaphthalene	1.67	0.769		mg/kg wet	46%	32 - 120	11J1919	10/11/11 13:32
2-Methylnaphthalene	1.67	0.950		mg/kg wet	57%	28 - 120	11J1919	10/11/11 13:32



Client EEG - Small Business Group, Inc. (2449)  
 10179 Highway 78  
 Ladson, SC 29456  
 Attn Tom McElwee

Work Order: NUJ1063  
 Project Name: Laurel Bay Housing Project  
 Project Number: [none]  
 Received: 10/08/11 08:30

**PROJECT QUALITY CONTROL DATA**  
**LCS - Cont.**

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
<b>Polyaromatic Hydrocarbons by EPA 8270D</b>								
<b>11J1919-BS1</b>								
<i>Surrogate: Terphenyl-d14</i>	1.67	1.25			75%	18 - 120	11J1919	10/11/11 13:32
<i>Surrogate: 2-Fluorobiphenyl</i>	1.67	0.884			53%	14 - 120	11J1919	10/11/11 13:32
<i>Surrogate: Nitrobenzene-d5</i>	1.67	0.832			50%	17 - 120	11J1919	10/11/11 13:32

Client EEG - Small Business Group, Inc. (2449)  
 10179 Highway 78  
 Ladson, SC 29456  
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Work Order: NUJ1063  
 Project Name: Laurel Bay Housing Project  
 Project Number: [none]  
 Received: 10/08/11 08:30

**PROJECT QUALITY CONTROL DATA**  
**LCS Dup**

Analyte	Ong. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8260B</b>												
<b>11J2700-BSD1</b>												
Benzene		46.6		ug/kg	50.0	93%	75 - 127	4	50	11J2700		10/12/11 10:57
Ethylbenzene		48.5		ug/kg	50.0	97%	80 - 134	3	50	11J2700		10/12/11 10:57
Naphthalene		40.8		ug/kg	50.0	82%	69 - 150	3	50	11J2700		10/12/11 10:57
Toluene		49.8		ug/kg	50.0	100%	80 - 132	6	50	11J2700		10/12/11 10:57
Xylenes, total		148		ug/kg	150	99%	80 - 137	4	50	11J2700		10/12/11 10:57
Surrogate: 1,2-Dichloroethane-d4		51.2		ug/kg	50.0	102%	70 - 130			11J2700		10/12/11 10:57
Surrogate: Dibromofluoromethane		52.4		ug/kg	50.0	105%	70 - 130			11J2700		10/12/11 10:57
Surrogate: Toluene-d8		50.4		ug/kg	50.0	101%	70 - 130			11J2700		10/12/11 10:57
Surrogate: 4-Bromofluorobenzene		46.7		ug/kg	50.0	93%	70 - 130			11J2700		10/12/11 10:57
<b>11J3141-BSD1</b>												
Benzene		45.5		ug/kg	50.0	91%	75 - 127	9	50	11J3141		10/13/11 10:46
Ethylbenzene		47.7		ug/kg	50.0	95%	80 - 134	9	50	11J3141		10/13/11 10:46
Naphthalene		38.7		ug/kg	50.0	77%	69 - 150	10	50	11J3141		10/13/11 10:46
Toluene		47.6		ug/kg	50.0	95%	80 - 132	11	50	11J3141		10/13/11 10:46
Xylenes, total		143		ug/kg	150	96%	80 - 137	11	50	11J3141		10/13/11 10:46
Surrogate: 1,2-Dichloroethane-d4		51.9		ug/kg	50.0	104%	70 - 130			11J3141		10/13/11 10:46
Surrogate: Dibromofluoromethane		52.7		ug/kg	50.0	105%	70 - 130			11J3141		10/13/11 10:46
Surrogate: Toluene-d8		50.2		ug/kg	50.0	100%	70 - 130			11J3141		10/13/11 10:46
Surrogate: 4-Bromofluorobenzene		48.2		ug/kg	50.0	96%	70 - 130			11J3141		10/13/11 10:46

Client EEG - Small Business Group, Inc. (2449)  
 10179 Highway 78  
 Ladson, SC 29456  
 Attn Tom McElwee

Work Order: NUJ1063  
 Project Name: Laurel Bay Housing Project  
 Project Number: [none]  
 Received: 10/08/11 08:30

**PROJECT QUALITY CONTROL DATA**  
**Matrix Spike**

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8260B</b>										
<b>11J2700-MS1</b>										
Benzene	ND	25.8		mg/kg wet	24.6	105%	31 - 143	11J2700	NUJ0705-08RE	10/12/11 20:26
Ethylbenzene	4.74	31.8		mg/kg wet	24.6	110%	23 - 161	11J2700	NUJ0705-08RE	10/12/11 20:26
Naphthalene	ND	19.7		mg/kg wet	24.6	80%	10 - 176	11J2700	NUJ0705-08RE	10/12/11 20:26
Toluene	9.44	33.8		mg/kg wet	24.6	99%	30 - 155	11J2700	NUJ0705-08RE	10/12/11 20:26
Xylenes, total	24.0	100		mg/kg wet	73.7	104%	25 - 162	11J2700	NUJ0705-08RE	10/12/11 20:26
<i>Surrogate: 1,2-Dichloroethane-d4</i>		45.4		ug/kg	50.0	91%	70 - 130	11J2700	NUJ0705-08RE	10/12/11 20:26
<i>Surrogate: Dibromofluoromethane</i>		49.9		ug/kg	50.0	100%	70 - 130	11J2700	NUJ0705-08RE	10/12/11 20:26
<i>Surrogate: Toluene-d8</i>		50.6		ug/kg	50.0	101%	70 - 130	11J2700	NUJ0705-08RE	10/12/11 20:26
<i>Surrogate: 4-Bromofluorobenzene</i>		49.4		ug/kg	50.0	99%	70 - 130	11J2700	NUJ0705-08RE	10/12/11 20:26
<b>11J3141-MS1</b>										
Benzene	ND	0.0479		mg/kg wet	0.0439	109%	31 - 143	11J3141	NUJ0916-03	10/13/11 20:19
Ethylbenzene	ND	0.0530		mg/kg wet	0.0439	121%	23 - 161	11J3141	NUJ0916-03	10/13/11 20:19
Naphthalene	ND	0.0460		mg/kg wet	0.0439	105%	10 - 176	11J3141	NUJ0916-03	10/13/11 20:19
Toluene	ND	0.0526		mg/kg wet	0.0439	120%	30 - 155	11J3141	NUJ0916-03	10/13/11 20:19
Xylenes, total	ND	0.162		mg/kg wet	0.132	123%	25 - 162	11J3141	NUJ0916-03	10/13/11 20:19
<i>Surrogate: 1,2-Dichloroethane-d4</i>		50.0		ug/kg	50.0	100%	70 - 130	11J3141	NUJ0916-03	10/13/11 20:19
<i>Surrogate: Dibromofluoromethane</i>		51.3		ug/kg	50.0	103%	70 - 130	11J3141	NUJ0916-03	10/13/11 20:19
<i>Surrogate: Toluene-d8</i>		50.8		ug/kg	50.0	102%	70 - 130	11J3141	NUJ0916-03	10/13/11 20:19
<i>Surrogate: 4-Bromofluorobenzene</i>		49.0		ug/kg	50.0	98%	70 - 130	11J3141	NUJ0916-03	10/13/11 20:19
<b>Polyaromatic Hydrocarbons by EPA 8270D</b>										
<b>11J1919-MS1</b>										
Acenaphthene	ND	1.31		mg/kg dry	2.07	63%	19 - 120	11J1919	NUJ1063-01	10/11/11 13:57
Acenaphthylene	ND	1.19		mg/kg dry	2.07	58%	25 - 120	11J1919	NUJ1063-01	10/11/11 13:57
Anthracene	ND	1.30		mg/kg dry	2.07	63%	28 - 125	11J1919	NUJ1063-01	10/11/11 13:57
Benzo (a) anthracene	ND	1.28		mg/kg dry	2.07	62%	23 - 120	11J1919	NUJ1063-01	10/11/11 13:57
Benzo (a) pyrene	ND	1.41		mg/kg dry	2.07	68%	15 - 128	11J1919	NUJ1063-01	10/11/11 13:57
Benzo (b) fluoranthene	ND	1.46		mg/kg dry	2.07	71%	12 - 133	11J1919	NUJ1063-01	10/11/11 13:57
Benzo (g,h,i) perylene	ND	1.22		mg/kg dry	2.07	59%	22 - 120	11J1919	NUJ1063-01	10/11/11 13:57
Benzo (k) fluoranthene	ND	1.33		mg/kg dry	2.07	64%	28 - 120	11J1919	NUJ1063-01	10/11/11 13:57
Chrysene	ND	1.25		mg/kg dry	2.07	60%	20 - 120	11J1919	NUJ1063-01	10/11/11 13:57
Dibenz (a,h) anthracene	ND	1.21		mg/kg dry	2.07	58%	12 - 128	11J1919	NUJ1063-01	10/11/11 13:57

Client EEG - Small Business Group, Inc. (2449)  
 10179 Highway 78  
 Ladson, SC 29456  
 Attn Tom McElwee

Work Order: NUJ1063  
 Project Name: Laurel Bay Housing Project  
 Project Number: [none]  
 Received: 10/08/11 08:30

**PROJECT QUALITY CONTROL DATA**  
**Matrix Spike - Cont.**

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
<b>Polyaromatic Hydrocarbons by EPA 8270D</b>										
<b>11J1919-MS1</b>										
Fluoranthene	ND	1.28		mg/kg dry	2.07	62%	10 - 143	11J1919	NUJ1063-01	10/11/11 13:57
Fluorene	ND	1.27		mg/kg dry	2.07	61%	20 - 120	11J1919	NUJ1063-01	10/11/11 13:57
Indeno (1,2,3-cd) pyrene	ND	1.22		mg/kg dry	2.07	59%	22 - 121	11J1919	NUJ1063-01	10/11/11 13:57
Naphthalene	ND	1.26		mg/kg dry	2.07	61%	10 - 120	11J1919	NUJ1063-01	10/11/11 13:57
Phenanthrene	ND	1.33		mg/kg dry	2.07	64%	21 - 122	11J1919	NUJ1063-01	10/11/11 13:57
Pyrene	ND	1.32		mg/kg dry	2.07	64%	20 - 123	11J1919	NUJ1063-01	10/11/11 13:57
1-Methylnaphthalene	ND	0.970		mg/kg dry	2.07	47%	10 - 120	11J1919	NUJ1063-01	10/11/11 13:57
2-Methylnaphthalene	ND	1.11		mg/kg dry	2.07	54%	13 - 120	11J1919	NUJ1063-01	10/11/11 13:57
Surrogate: Terphenyl-d11		1.28		mg/kg dry	2.07	62%	18 - 120	11J1919	NUJ1063-01	10/11/11 13:57
Surrogate: 2-Fluorobiphenyl		1.02		mg/kg dry	2.07	49%	14 - 120	11J1919	NUJ1063-01	10/11/11 13:57
Surrogate: Nitrobenzene-d5		1.02		mg/kg dry	2.07	49%	17 - 120	11J1919	NUJ1063-01	10/11/11 13:57

Client EEG - Small Business Group, Inc. (2449)  
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Work Order: NUJ1063  
 Project Name: Laurel Bay Housing Project  
 Project Number: [none]  
 Received: 10/08/11 08:30

**PROJECT QUALITY CONTROL DATA**  
**Matrix Spike Dup**

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8260B</b>												
<b>11J2700-MSD1</b>												
Benzene	ND	27.2		mg/kg wet	24.6	111%	31 - 143	5	50	11J2700	NUJ0705-08RE	10/12/11 20:57
Ethylbenzene	4.74	32.8		mg/kg wet	24.6	114%	23 - 161	3	50	11J2700	NUJ0705-08RE	10/12/11 20:57
Naphthalene	ND	18.0		mg/kg wet	24.6	73%	10 - 176	9	50	11J2700	NUJ0705-08RE	10/12/11 20:57
Toluene	9.44	34.3		mg/kg wet	24.6	101%	30 - 155	1	50	11J2700	NUJ0705-08RE	10/12/11 20:57
Xylenes, total	24.0	103		mg/kg wet	73.7	108%	25 - 162	3	50	11J2700	NUJ0705-08RE	10/12/11 20:57
Surrogate: 1,2-Dichloroethane-d4		43.6		ug/kg	50.0	87%	70 - 130			11J2700	NUJ0705-08RE	10/12/11 20:57
Surrogate: Dibromofluoromethane		50.0		ug/kg	50.0	100%	70 - 130			11J2700	NUJ0705-08RE	10/12/11 20:57
Surrogate: Toluene-d8		49.1		ug/kg	50.0	98%	70 - 130			11J2700	NUJ0705-08RE	10/12/11 20:57
Surrogate: 4-Bromofluorobenzene		49.3		ug/kg	50.0	99%	70 - 130			11J2700	NUJ0705-08RE	10/12/11 20:57
<b>11J3141-MSD1</b>												
Benzene	ND	0.0463		mg/kg wet	0.0424	109%	31 - 143	3	50	11J3141	NUJ0916-03	10/13/11 20:49
Ethylbenzene	ND	0.0513		mg/kg wet	0.0424	121%	23 - 161	3	50	11J3141	NUJ0916-03	10/13/11 20:49
Naphthalene	ND	0.0361		mg/kg wet	0.0424	85%	10 - 176	24	50	11J3141	NUJ0916-03	10/13/11 20:49
Toluene	ND	0.0498		mg/kg wet	0.0424	118%	30 - 155	5	50	11J3141	NUJ0916-03	10/13/11 20:49
Xylenes, total	ND	0.153		mg/kg wet	0.127	121%	25 - 162	6	50	11J3141	NUJ0916-03	10/13/11 20:49
Surrogate: 1,2-Dichloroethane-d4		50.2		ug/kg	50.0	100%	70 - 130			11J3141	NUJ0916-03	10/13/11 20:49
Surrogate: Dibromofluoromethane		51.9		ug/kg	50.0	104%	70 - 130			11J3141	NUJ0916-03	10/13/11 20:49
Surrogate: Toluene-d8		50.3		ug/kg	50.0	101%	70 - 130			11J3141	NUJ0916-03	10/13/11 20:49
Surrogate: 4-Bromofluorobenzene		48.2		ug/kg	50.0	96%	70 - 130			11J3141	NUJ0916-03	10/13/11 20:49
<b>Polyaromatic Hydrocarbons by EPA 8270D</b>												
<b>11J1919-MSD1</b>												
Acenaphthene	ND	0.931		mg/kg dry	2.07	45%	19 - 120	34	50	11J1919	NUJ1063-01	10/11/11 14:23
Acenaphthylene	ND	0.848		mg/kg dry	2.07	41%	25 - 120	34	50	11J1919	NUJ1063-01	10/11/11 14:23
Anthracene	ND	0.941		mg/kg dry	2.07	45%	28 - 125	32	49	11J1919	NUJ1063-01	10/11/11 14:23
Benzo (a) anthracene	ND	0.887		mg/kg dry	2.07	43%	23 - 120	36	50	11J1919	NUJ1063-01	10/11/11 14:23
Benzo (a) pyrene	ND	1.00		mg/kg dry	2.07	48%	15 - 128	34	50	11J1919	NUJ1063-01	10/11/11 14:23
Benzo (b) fluoranthene	ND	0.974		mg/kg dry	2.07	47%	12 - 133	40	50	11J1919	NUJ1063-01	10/11/11 14:23
Benzo (g,h,i) perylene	ND	0.885		mg/kg dry	2.07	43%	22 - 120	32	50	11J1919	NUJ1063-01	10/11/11 14:23
Benzo (k) fluoranthene	ND	1.10		mg/kg dry	2.07	53%	28 - 120	18	45	11J1919	NUJ1063-01	10/11/11 14:23
Chrysene	ND	0.903		mg/kg dry	2.07	44%	20 - 120	32	49	11J1919	NUJ1063-01	10/11/11 14:23
Dibenz (a,h) anthracene	ND	0.916		mg/kg dry	2.07	44%	12 - 128	28	50	11J1919	NUJ1063-01	10/11/11 14:23
Fluoranthene	ND	0.962		mg/kg dry	2.07	46%	10 - 143	28	50	11J1919	NUJ1063-01	10/11/11 14:23
Fluorene	ND	0.946		mg/kg dry	2.07	46%	20 - 120	29	50	11J1919	NUJ1063-01	10/11/11 14:23
Indeno (1,2,3-cd) pyrene	ND	0.926		mg/kg dry	2.07	45%	22 - 121	28	50	11J1919	NUJ1063-01	10/11/11 14:23

Client EEG - Small Business Group, Inc. (2449)  
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 Attn Tom McElwee

Work Order: NUJ1063  
 Project Name: Laurel Bay Housing Project  
 Project Number: [none]  
 Received: 10/08/11 08:30

**PROJECT QUALITY CONTROL DATA**

**Matrix Spike Dup - Cont.**

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
<b>Polyaromatic Hydrocarbons by EPA 8270D</b>												
<b>11J1919-MSD1</b>												
Naphthalene	ND	0.902		mg/kg dry	2.07	44%	10 - 120	33	50	11J1919	NUJ1063-01	10/11/11 14:23
Phenanthrene	ND	0.928		mg/kg dry	2.07	45%	21 - 122	35	50	11J1919	NUJ1063-01	10/11/11 14:23
Pyrene	ND	0.909		mg/kg dry	2.07	44%	20 - 123	37	50	11J1919	NUJ1063-01	10/11/11 14:23
1-Methylnaphthalene	ND	0.684		mg/kg dry	2.07	33%	10 - 120	35	50	11J1919	NUJ1063-01	10/11/11 14:23
2-Methylnaphthalene	ND	0.855		mg/kg dry	2.07	41%	13 - 120	26	50	11J1919	NUJ1063-01	10/11/11 14:23
Surrogate: Terphenyl-d14		0.864		mg/kg dry	2.07	42%	18 - 120			11J1919	NUJ1063-01	10/11/11 14:23
Surrogate: 2-Fluorobiphenyl		0.706		mg/kg dry	2.07	34%	14 - 120			11J1919	NUJ1063-01	10/11/11 14:23
Surrogate: Nitrobenzene-d5		0.685		mg/kg dry	2.07	33%	17 - 120			11J1919	NUJ1063-01	10/11/11 14:23

Client EEG - Small Business Group, Inc. (2449)  
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Attn Tom McElwee

Work Order: NUJ1063  
Project Name: Laurel Bay Housing Project  
Project Number: [none]  
Received: 10/08/11 08:30

## CERTIFICATION SUMMARY

### TestAmerica Nashville

Method	Matrix	AIHA	Nelac	South Carolina
SW846 8260B	Soil	N/A	X	X
SW846 8270D	Soil		X	X
SW-846	Soil			

Client EEG - Small Business Group, Inc. (2449)  
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#### DATA QUALIFIERS AND DEFINITIONS

**J** Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.  
**ND** Not detected at the reporting limit (or method detection limit if shown)

#### METHOD MODIFICATION NOTES



NUJ1063

10/24/11 23:59

Nashville Division  
2960 Foster Creighton  
Nashville, TN 37204

Phone: 615-726-0177  
Toll Free: 800-765-0980  
Fax: 615-725-3404

To assist us in using the proper analytical  
methods, is this work being conducted for  
regulatory purposes?

Compliance Monitoring? Yes  No   
Enforcement Action? Yes  No

Client Name/Account #: EFG SBC #1449

Address: 10179 Highway 78

City/State/Zip: Ladson, SC 29476

Project Manager: Tam McElwee e-mail: mcelwee@efeg.net

Telephone Number: 843 412 3097 Fax No.: 843-879-0401

Sampler Name: (Print) Pratt Shaw

Sampler Signature: [Signature]

Site State: SC

FO#: 1035

TA Quote #

Project ID: Laurel Bay Housing Project

Project #

Site	Sample ID	Date	Time	Temp	Preservative	Matrix		Analyze For		
						Matrix	Matrix	STP	PAH	BTX
	210	10/3/11	1215	5	X	2	21	X	X	X
	211	10/4/11	1200	5	X	2	21	X	X	X
	212	10/5/11	1145	5	X	2	21	X	X	X
	219	10/6/11	1145	5	X	2	21	X	X	X

Special Instructions:						Laboratory Comments	
						Temperature Upon Receipt	VOCs Filled at Headspace?
Method of Shipment: <u>FEDEX</u> Date: <u>10/3/11</u> Time: <u>0930</u> Received by: <u>Fedex</u> Date: <u>10-3-11</u> Time: <u>0830</u> Received by: <u>[Signature]</u>							

0.2

ATTACHMENT A



# NON-HAZARDOUS MANIFEST

<b>NON-HAZARDOUS MANIFEST</b>	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of 1	
3. Generator's Mailing Address: MCAS, BEAUFORT LAUREL BAY HOUSING BEAUFORT, SC 29907 4. Generator's Phone 843-228-6461	Generator's Site Address (If different than mailing):		A. Manifest Number <b>WMNA 00316819</b>	
			B. State Generator's ID	
5. Transporter 1 Company Name EEG, INC.	6. US EPA ID Number	C. State Transporter's ID		
		D. Transporter's Phone 843-879-0411		
7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID		
		F. Transporter's Phone		
9. Designated Facility Name and Site Address HICKORY HILL LANDFILL 2621 LOW COUNTRY ROAD RIDGELAND, SC 29936	10. US EPA ID Number	G. State Facility ID		
		H. State Facility Phone 843-987-4643		
11. Description of Waste Materials	12. Containers		13. Total Quantity	
	No. Type		14. Unit Wt./Vol.	
	I. Misc. Comments			
	a. HEATING OIL TANKS FILLED WITH SAND WM Profile # 102655SC			
	b. WM Profile #			
c. WM Profile #				
d. WM Profile #				
J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell	Level		
	Grid			
15. Special Handling Instructions and Additional Information UST's from: 1) 400 Elderberry ✓ 2) 150 Laurel Bay ✓ 3) 200 Balsam ✓ 4) 203 Balsam ✓ 5) 210 Balsam ✓ 6) 211 Balsam ✓				
Purchase Order #		EMERGENCY CONTACT / PHONE NO.:		
16. GENERATOR'S CERTIFICATE: I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.				
Printed Name <i>Timothy Whaley</i>	Signature "On behalf of" <i>Timothy Whaley</i>	Month 10	Day 18	
		Year 11		
17. Transporter 1 Acknowledgement of Receipt of Materials				
Printed Name <i>JAMES BALDWIN</i>	Signature <i>James Baldwin</i>	Month 10	Day 18	
		Year 11		
18. Transporter 2 Acknowledgement of Receipt of Materials				
Printed Name	Signature	Month	Day	
		Year		
19. Certificate of Final Treatment/Disposal I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.				
20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.				
Printed Name <i>Tom Colfield</i>	Signature <i>Tom Colfield</i>	Month 10	Day 18	
		Year 11		

GENERATOR

TRANSPORTER

FACILITY

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY

Blue- GENERATOR #2 COPY

Yellow- GENERATOR #1 COPY

Pink- FACILITY USE ONLY

Gold- TRANSPORTER #1 COPY

**Appendix C**  
**Regulatory Correspondence**



Catherine E. Heigel, Director

*Promoting and protecting the health of the public and the environment*

July 1, 2015

Commanding Officer  
Attention: NREAO Mr. William A. Drawdy  
United State Marine Corps Air Station  
Post Office Box 55001  
Beaufort, SC 29904-5001

RE: No Further Action  
Laurel Bay Underground Storage Tank Assessment Reports for:  
*See attached sheet*

Dear Mr. Drawdy,

The South Carolina Department of Health and Environmental Control (the Department) received the referenced Underground Storage Tanks (USTs) Assessment Reports for the addresses listed above. The regulatory authority for the investigation and cleanup of releases from these tank systems is the South Carolina Pollution Control Act (S.C. Code Ann. §48-1-10 et seq., as amended).

The Department has reviewed the referenced assessment reports and agrees there is no indication of soil or groundwater contamination on these properties, and therefore no further investigation is required at this time.

Please note that the Department's decision is based on information provided by the Marine Corps Air Station (MCAS) to date. Any information found to be contradictory to this decision may require additional action. Furthermore, the Department retains the right to request further investigation if deemed necessary.

If you have any questions, please contact me at [kriegkm@dhec.sc.gov](mailto:kriegkm@dhec.sc.gov) or 803-898-0255.

Sincerely,

Kent Krieg  
Department of Defense Corrective Action Section  
Bureau of Land and Waste Management  
South Carolina Department of Health and Environmental Control

Cc: Russell Berry (via email)  
Craig Ehde (via email)  
Bryan Beck (via email)



Catherine E. Heigel, Director

*Promoting and protecting the health of the public and the environment*

**Attachment to:** Krieg to Drawdy  
 Subject: NFA  
 Dated 7/1/2015

**Laurel Bay Underground Storage Tank Assessment Reports for: (153 addresses/161 tanks)**

111 Birch	363 Aspen
123 Banyan	364 Aspen
131 Banyan	366 Aspen
134 Banyan	369 Aspen
145 Laurel Bay	373 Aspen
150 Laurel Bay	381 Aspen
153 Laurel Bay	401 Elderberry
154 Laurel Bay	402 Elderberry
155 Laurel Bay	404 Elderberry
200 Balsam	410 Elderberry
202 Balsam	420 Elderberry
203 Balsam	424 Elderberry
208 Balsam	435 Elderberry Tank 3
210 Balsam	452 Elderberry
211 Balsam	460 Elderberry
220 Cypress	465 Dogwood
222 Cypress	477 Laurel Bay
223 Cypress	487 Laurel Bay
252 Beech Tank 2	513 Laurel Bay
271 Beech Tank 1	519 Laurel Bay
271 Beech Tank 2	524 Laurel Bay
284 Birch Tank 1	535 Laurel Bay
284 Birch Tank 2	553 Dahlia
308 Ash	590 Aster
311 Ash	591 Aster
312 Ash	610 Dahlia
317 Ash	612 Dahlia
318 Ash	628 Dahlia
337 Ash	636 Dahlia
351 Ash Tank 1	637 Dahlia Tank 1
351 Ash Tank 2	637 Dahlia Tank 2
355 Ash Tank 1	641 Dahlia
355 Ash Tank 2	642 Dahlia Tank 1
360 Aspen	642 Dahlia Tank 2

**Laurel Bay Underground Storage Tank Assessment Reports for: (153 addresses/161 tanks) cont.**

655 Camellia	920 Albacore
662 Camellia	922 Barracuda Tank 1
683 Camellia	922 Barracuda Tank 2
684 Camellia	924 Albacore
689 Abelia	925 Albacore
694 Abelia	926 Albacore
695 Abelia	930 Albacore
741 Blue Bell	931 Albacore
742 Blue Bell	933 Albacore
755 Althea	936 Albacore
757 Althea	938 Albacore
776 Laurel Bay	939 Albacore
777 Azalea	940 Albacore
779 Laurel Bay	1010 Foxglove
781 Laurel Bay	1066 Gardenia
802 Azalea	1068 Gardenia
816 Azalea	1071 Heather Tank 2
822 Azalea	1100 Iris Tank 2
823 Azalea	1128 Iris
825 Azalea	1178 Bobwhite
828 Azalea	1204 Cardinal
837 Azalea	1208 Cardinal
851 Dolphin	1209 Cardinal
856 Dolphin	1210 Cardinal
857 Dolphin	1215 Cardinal
861 Dolphin	1216 Cardinal
864 Dolphin	1217 Cardinal Tank 1
868 Dolphin	1217 Cardinal Tank 2
872 Dolphin	1233 Dove
879 Cobia	1244 Dove
886 Cobia	1250 Dove
888 Cobia	1252 Dove
889 Cobia	1254 Dove
901 Barracuda	1256 Dove
902 Barracuda	1258 Dove
903 Barracuda	1263 Dove
904 Barracuda	1269 Dove
909 Barracuda	1276 Dove
910 Barracuda	1283 Dove
914 Barracuda	1285 Dove
915 Barracuda	1288 Eagle

**Laurel Bay Underground Storage Tank Assessment Reports for: (153 addresses/161 tanks) cont.**

1296 Eagle	1330 Albatross
1307 Eagle	1331 Albatross
1321 Albatross	1333 Albatross
1322 Albatross	1334 Albatross
1327 Albatross	1335 Albatross
1328 Albatross	