

SUMMARY REPORT
FORMER 1444 WEST DOVE LANE (CURRENT EMPTY LOT)
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:



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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
ft	feet
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 former 1444 West Dove Lane. 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

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 heating oil 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, February 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*

Division (SCDHEC, February 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, April 2013) and were revised again in Revision 3.0 (SCDHEC, May 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 IGWA sampling process utilizes temporary groundwater sampling points that are typically installed and sampled within the same day. The intent of the sampling point is to determine the presence or absence of the aforementioned COPCs in groundwater and identify whether former UST locations may require additional delineation of COPCs in groundwater. These sampling points are not subjected to the same installation standards as permanent monitoring wells and, as such; the data obtained from the IGWA wells can sometimes be biased high and is considered preliminary data. In order to confirm the presence of any impact to groundwater, a permanent well is installed where IGWA sampling has indicated the presence of free product and/or COPCs is in excess of the SCDHEC RBSLs for groundwater. If COPCs and/or free product are found to be present in the permanent well, additional permanent wells are installed to delineate the extent of impact to groundwater and a sampling program is established. Groundwater analytical results from permanent wells 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 former 1444 West Dove Lane. The sampling activities at former 1444 West Dove Lane comprised a soil investigation, IGWA activities and installation and sampling of a permanent well. Details regarding the soil investigation at this site are provided in the *SCDHEC UST Assessment Report – 1444 West Dove Lane* (MCAS Beaufort, 2011). The UST Assessment Report is provided in Appendix B. Details regarding the IGWA sampling activities at this site are provided in the *Initial Groundwater Investigation Report – May and June 2015* (Resolution Consultants, 2015). Appendix C is reserved for the laboratory analytical results of the IGWA; however, due to

detection of free product, a groundwater sample could not be collected from this location. Details regarding the permanent well installation and sampling activities at this site are provided in the *Groundwater Assessment Report – November and December 2017* (Resolution Consultants, 2018). The laboratory report that includes the pertinent groundwater analytical results for this site is presented in Appendix D.

2.1 UST Removal and Soil Sampling

On April 14, 2011, two 280 gallon heating oil USTs were removed from the front lawn at former 1444 West Dove Lane. The former UST locations are indicated on Figures 2 and 3 of the UST Assessment Report (Appendix B). The USTs were 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 removals. According to the UST Assessment Reports (Appendix B), the depths to the bases of the USTs were 6'3" bgs (Tank 1) and 4'5" bgs (Tank 2) and a single soil sample was collected for each at that depth. The samples were collected from the fill port side of the former USTs to represent a worst case scenario.

Following UST removals, a soil sample was collected from the bases of the excavations 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 locations (Tanks 1 and 2) 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 the former UST (Tank 1) at former 1444 West Dove Lane were greater than the SCDHEC RBSLs, which indicated further investigation was required. In a letter dated April 7, 2015, SCDHEC requested an IGWA for former 1444 West Dove Lane to determine if the

groundwater was impacted by petroleum COPCs. SCDHEC's request letter is provided in Appendix E.

2.3 Initial Groundwater Sampling

On June 11, 2015, a temporary monitoring well was installed at former 1444 West Dove Lane, in accordance with the South Carolina Well Standards and Regulations (R.61-71.H-I, updated June 24, 2016). In order to provide data that can be used to determine whether COPCs are migrating to underlying groundwater, the monitoring well was placed in the same general location as the former heating oil UST (Tank 1). The former UST location is indicated on Figures 2 and 3 of the UST Assessment Report (Appendix B). Further details are provided in the *Initial Groundwater Investigation Report – May and June 2015* (Resolution Consultants, 2015).

The sampling strategy for this phase of the investigation required a one-time sampling event of the temporarily installed monitoring well. Following well installation, free product was detected in the temporary well. Due to detection of free product, a groundwater sample could not be collected from this location. The temporary well was abandoned in accordance with the South Carolina Well Standards and Regulations R.61-71.H-I (SCDHEC, 2016). Field forms are provided in the *Initial Groundwater Investigation Report – May and June 2015* (Resolution Consultants, 2015).

2.4 Initial Groundwater Analytical Results

Due to detection of free product, a groundwater sample was unable to be collected from former 1444 West Dove Lane and further investigation was required. A summary of the free product measurement is presented in Table 2. In a letter dated February 22, 2016, SCDHEC requested a permanent well be installed for former 1444 West Dove Lane to confirm the impact to groundwater detected in the temporary well. SCDHEC's request letter is provided in Appendix E.

2.5 Permanent Well Groundwater Sampling

On November 27, 2017, a permanent monitoring well was installed at former 1444 West Dove Lane, in accordance with the South Carolina Well Standards and Regulations (R.61-71.H-I, updated June 24, 2016). In order to provide data that can be used to determine whether COPCs are migrating to underlying groundwater, the monitoring well was placed in the same

general location as the former heating oil UST (Tank 1), and the IGWA sample location. The former UST location is indicated on Figures 2 and 3 of the UST Assessment Report (Appendix B). Further details are provided in the *Groundwater Assessment Report – November and December 2017* (Resolution Consultants, 2018).

The sampling strategy for this phase of the investigation required a one-time sampling event of the permanent monitoring well. Following well installation and development, groundwater samples were collected using low-flow methods and shipped to an offsite laboratory for analysis of the petroleum COPCs. No free product was detected in the permanent monitoring well. Field forms are provided in the *Groundwater Assessment Report – November and December 2017* (Resolution Consultants, 2018).

2.6 Permanent Well Groundwater Analytical Results

A summary of the laboratory analytical results and SCDHEC RBSLs is presented in Table 3. A copy of the laboratory analytical data report is included in Appendix D.

The groundwater results collected from former 1444 West Dove Lane were less than the SCDHEC RBSLs and the site specific groundwater VISLs (Table 3), which indicated that the groundwater was not impacted by COPCs associated with the former USTs at concentrations that present a potential risk to human health and the environment.

3.0 PROPERTY STATUS

Based on the analytical results for groundwater collected from the permanent monitoring well, SCDHEC made the determination that NFA was required for former 1444 West Dove Lane. This NFA determination was obtained in a letter dated June 18, 2018. SCDHEC's NFA letter is provided in Appendix E.

4.0 REFERENCES

Marine Corps Air Station Beaufort, 2011. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 1444 West Dove Lane, Laurel Bay Military Housing Area*, September 2011.

Resolution Consultants, 2015. *Initial Groundwater Investigation Report – May and June 2015 for Laurel Bay Military Housing Area, Multiple Properties, Marine Corps Air Station Beaufort, Beaufort, South Carolina*, October 2015.

Resolution Consultants, 2018. *Groundwater Assessment Report – November and December 2017 for Laurel Bay Military Housing Area, Multiple Properties, Marine Corps Air Station Beaufort, Beaufort, South Carolina*, March 2018.

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.

South Carolina Department of Health and Environmental Control Bureau of Water, 2016. *R.61-71, Well Standards*, June 2016.

Tables

Table 1
Laboratory Analytical Results - Soil
Former 1444 West Dove Lane
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs ⁽¹⁾	Results Samples Collected 04/14/11	
		1444 Dove - 1	1444 Dove - 2
Volatile Organic Compounds Analyzed by EPA Method 8260B (mg/kg)			
Benzene	0.003	ND	ND
Ethylbenzene	1.15	ND	ND
Naphthalene	0.036	0.00918	0.00566
Toluene	0.627	ND	ND
Xylenes, Total	13.01	ND	ND
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (mg/kg)			
Benzo(a)anthracene	0.066	0.336	ND
Benzo(b)fluoranthene	0.066	0.660	ND
Benzo(k)fluoranthene	0.066	0.440	ND
Chrysene	0.066	0.456	ND
Dibenz(a,h)anthracene	0.066	0.0840	ND

Notes:

⁽¹⁾ South Carolina Risk-Based Screening Levels from the Quality Assurance Program Plan for the Underground Storage Tank Management Division, Revision 1.1 (SCDHEC, February 2011).

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 - milligrams per kilogram

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

RBSL - Risk-Based Screening Level

SCDHEC - South Carolina Department Of Health and Environmental Control

Table 2
 Free Product Measurement - Initial Groundwater
 Former 1444 West Dove Lane
 Laurel Bay Military Housing Area
 Marine Corps Air Station Beaufort
 Beaufort, South Carolina

Temporary Well ID	Date Installed	Date Measured	Measured Well Depth (feet bgs)	Depth to Product (feet bgs)	Depth to Groundwater (feet bgs)	Free Product Thickness (feet)
BEALB1444-TW01	6/11/2015	6/11/2015	14.62	6.27	6.28	0.01

Notes:

bgs - below ground surface

TW - temporary well

Table 3
Laboratory Analytical Results - Permanent Well Groundwater
Former 1444 West Dove Lane
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs ⁽¹⁾	Site-Specific Groundwater VISLs (µg/L) ⁽²⁾	Results Sample Collected 12/07/17
Volatile Organic Compounds Analyzed by EPA Method 8260B (µg/L)			
Benzene	5	16.24	ND
Ethylbenzene	700	45.95	ND
Naphthalene	25	29.33	ND
Toluene	1000	105,445	ND
Xylenes, Total	10,000	2,133	ND
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (µg/L)			
Benzo(a)anthracene	10	NA	ND
Benzo(b)fluoranthene	10	NA	ND
Benzo(k)fluoranthene	10	NA	ND
Chrysene	10	NA	ND
Dibenz(a,h)anthracene	10	NA	ND

Notes:

⁽¹⁾ South Carolina Risk-Based Screening Levels from the Quality Assurance Program Plan for the Underground Storage Tank Management Division, Revision 3.1 (SCDHEC, February 2016).

⁽²⁾ Site-specific groundwater VISLs were calculated using the EPA JE Model Spreadsheets (Version 3.1, February 2004) and conservative modeling inputs representative of a small single-story house with an 8 foot ceiling. Site-specific groundwater VISLs were developed based on a target risk level of 1×10^{-6} , a target hazard quotient of 1 (per target organ), and a default residential exposure scenario, assuming exposure for 24 hours/day, 350 days/year, for 26 years. Modeling was performed for a range of depths to groundwater for application as appropriate in different areas of the Laurel Bay Military Housing Area. The most conservative levels are presented for comparison. Refer to Appendix H of the Uniform Federal Policy Sampling Analysis and Sampling Plan for Vapor Media, Revision 4 (Resolution Consultants, April 2017) for additional information.

Bold font indicates the analyte was detected.

Bold font and shading indicates the concentration exceeds the SCDHEC RBSL and/or the Site-Specific Groundwater VISL.

EPA - United States Environmental Protection Agency

JE - Johnson & Ettinger

NA - not applicable

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

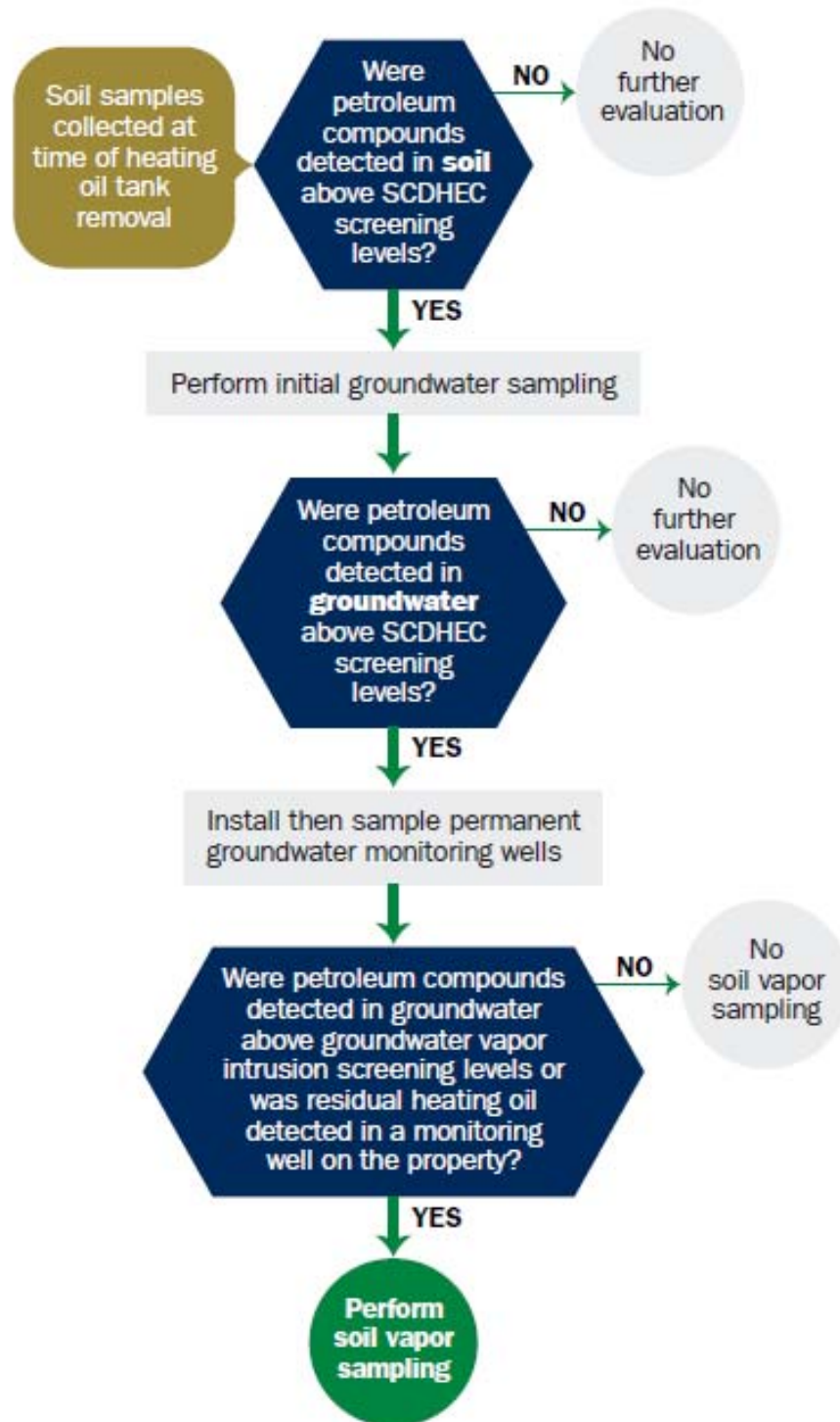
RBSL - Risk-Based Screening Level

SCDHEC - South Carolina Department Of Health and Environmental Control

µg/L - micrograms per liter

VISL - Vapor Intrusion Screening Level

Appendix A
Multi-Media Selection Process for LBMH



Appendix A - Multi-Media Selection Process for LBMH

Appendix B
UST Assessment Report

Rec'd 9/30/11

Attachment 1

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

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	
1444 Dove Lane, Laurel Bay Military Housing Area	
Street Address or State Road (as applicable)	
Beaufort,	Beaufort
City	County

Attachment 2

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.....

1444Dove-1	1444Dove-2	
Heating oil	Heating oil	
280 gal	280 gal	
Late 1950s	Late 1950s	
Steel	Steel	
Mid 80s	Mid 80s	
6'3"	4'5"	
No	No	
No	No	
Removed	Removed	
4/14/11	4/14/11	
Yes	Yes	
Yes	Yes	

- M. Method of disposal for any USTs removed from the ground (attach disposal manifests)
UST 1444Dove-1 was removed from the ground, cleaned and recycled.
UST 1444Dove-2 was removed from the ground and disposed of 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)
Contaminated water was pumped from UST 1444Dove-1 and disposed
of by MCAS.
UST 1444Dove-2 was 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 found in both tanks.

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.....

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

Steel vent piping for both tanks were corroded and pitted. All
copper supply and return piping were sound.

1444Dove-1	1444Dove-2	
Steel & Copper	Steel & Copper	
N/A	N/A	
N/A	N/A	
Suction	Suction	
Yes	Yes	
Yes	Yes	
No	No	
Late 1950s	Late 1950s	

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 #
1444 Dove-1	Excav at fill end	Soil	Sandy	6'3"	4/14/11 1200 hrs	P. Shaw	
1444 Dove-2	Excav at fill end	Soil	Sandy	4'5"	4/14/11 1445 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.

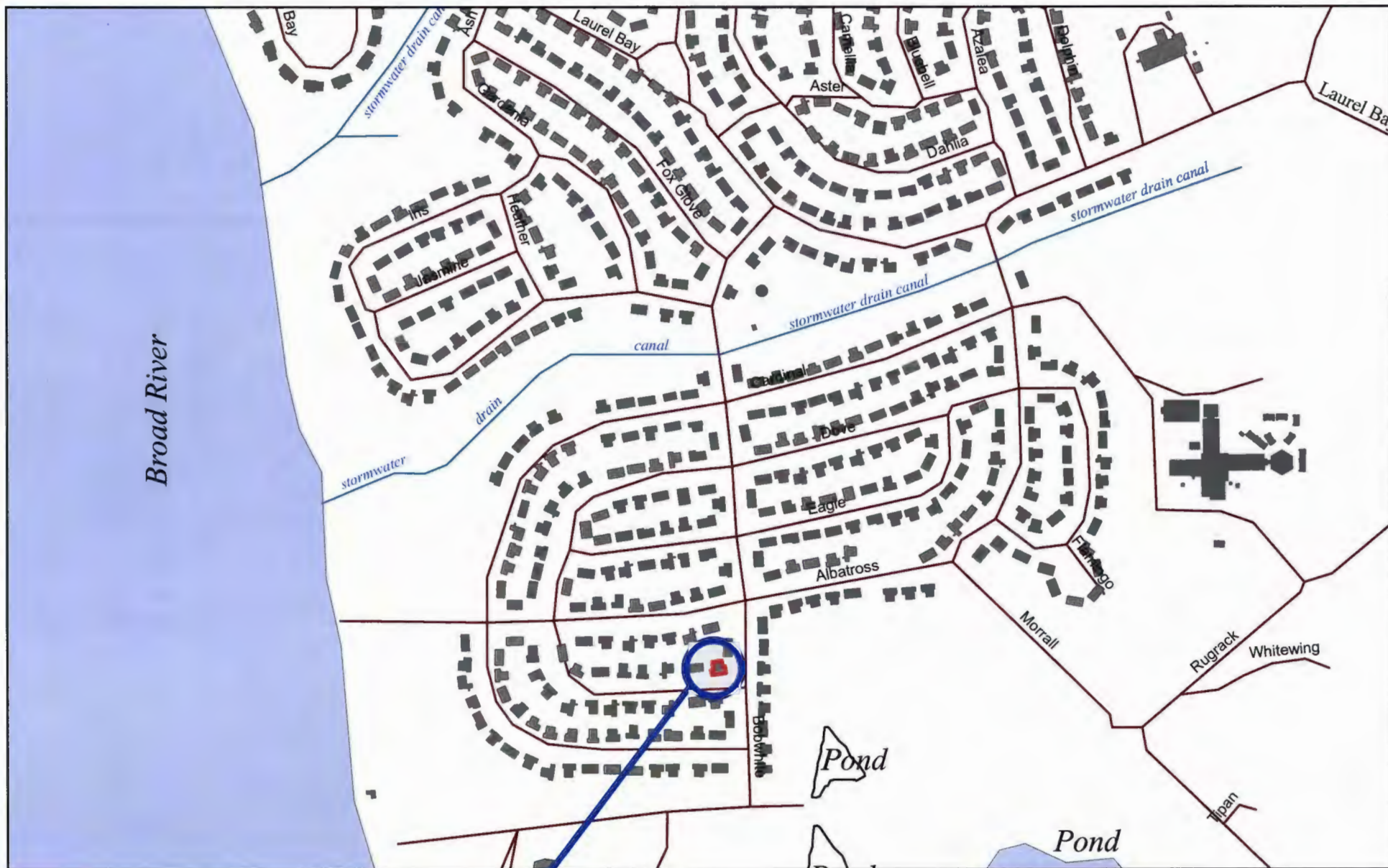
XII. RECEPTORS

	Yes	No
<p>A. Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the UST system?</p> <p style="text-align: right;">*~540' to pond</p> <p>If yes, indicate type of receptor, distance, and direction on site map.</p>	*X	
<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>		X
<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>		X
<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;">*Sewer and water</p> <p>If yes, indicate the type of utility, distance, and direction on the site map.</p>	*X	
<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>		X

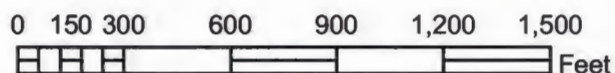
XIII. SITE MAP

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)



1444 DOVE LN.



SBG-EEG, Inc.

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

Ph. (843) 875-1930

Drawn By: L. DiAsio

Dwg Date: MAY 2011

**FIGURE 1: LOCATION MAP
1444 DOVE LANE
LAUREL BAY, BEAUFORT SC**



SITE OF FORMER
1444 DOVE LANE
LAUREL BAY MILITARY HOUSING
MCAS BEAUFORT, SC

POND \approx 540'



UST 1444DOVE-2



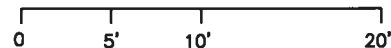
UST 1444DOVE-1

SEWER MANHOLE



DOVE LANE

GRAPHIC SCALE



SBG-EEG

10179 HWY 78
LADSON, SC 29456

ph. (843) 879-0400

FIGURE 2 SITE MAP
1444 DOVE LANE, LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC

DWG DATE MAY 2011

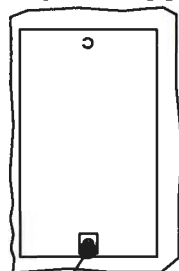


POND \approx 540'



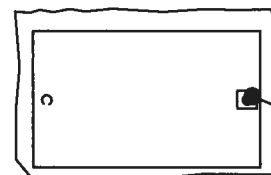
UST 1444DOVE-2
280 GAL.

EXCAVATION



SOIL SAMPLE
1444 DOVE-2

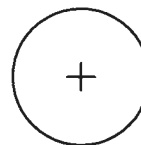
EXCAVATION



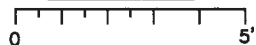
FILL END

UST 1444DOVE-1
280 GAL.

SOIL SAMPLE
1444 DOVE-1



GRAPHIC SCALE



TANK DEPTH BELOW GRADE

1444DOVE-1 = 39"

1444DOVE-2 = 17"

SBG-EEG

10179 HWY 78
LADSON, SC 29456

ph. (843) 879-0400

FIGURE 3 UST SAMPLE LOCATIONS
1444 DOVE LANE, LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC

DWG DATE MAY 2011



Picture 1: Location of tanks at former 1444 Dove Lane.



Picture 2: Site at completion of work.

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.

CoC	UST	1444Dove-1		1444Dove-2			
Benzene		ND		ND			
Toluene		ND		ND			
Ethylbenzene		ND		ND			
Xylenes		ND		ND			
Naphthalene		0.00918 mg/kg		0.00566 mg/kg			
Benzo (a) anthracene		0.336 mg/kg		ND			
Benzo (b) fluoranthene		0.660 mg/kg		ND			
Benzo (k) fluoranthene		0.440 mg/kg		ND			
Chrysene		0.456 mg/kg		ND			
Dibenz (a, h) anthracene		0.0840 mg/kg					
TPH (EPA 3550)							

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

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.

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

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)

May 02, 2011

12:22:56PM

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

Work Order: NUD2768
Project Name: Laurel Bay Housing Project
Project Nbr: [none]
P/O Nbr: 1027
Date Received: 04/16/11

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
1364 Cardinal-2	NUD2768-01	04/11/11 10:30
1430 Dove	NUD2768-02	04/12/11 11:30
1358 Cardinal	NUD2768-03	04/13/11 12:15
1444-Dove-1	NUD2768-04	04/14/11 12:00
1444-Dove-2	NUD2768-05	04/14/11 14:45

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.

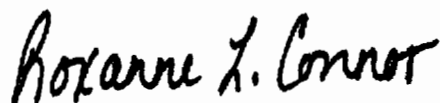
These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

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: NUD2768
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 04/16/11 08:45

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NUD2768-01 (1364 Cardinal-2 - Soil) Sampled: 04/11/11 10:30										
General Chemistry Parameters										
% Dry Solids	90.3		%	0.500	0.500	1	04/25/11 15:07	SW-846	JJR	11D5574
Volatile Organic Compounds by EPA Method 8260B										
Benzene	ND		mg/kg dry	0.00129	0.00235	1	04/22/11 17:42	SW846 8260B	MJH	11D4866
Ethylbenzene	ND	RL1	mg/kg dry	0.0601	0.123	50	04/22/11 18:13	SW846 8260B	MJH	11D4866
Naphthalene	0.0153		mg/kg dry	0.00200	0.00588	1	04/22/11 17:42	SW846 8260B	MJH	11D4866
Toluene	ND	RL1	mg/kg dry	0.0546	0.123	50	04/22/11 18:13	SW846 8260B	MJH	11D4866
Xylenes, total	ND	RL1	mg/kg dry	0.117	0.307	50	04/22/11 18:13	SW846 8260B	MJH	11D4866
Surr: 1,2-Dichloroethane-d4 (67-138%)	96 %					1	04/22/11 17:42	SW846 8260B	MJH	11D4866
Surr: 1,2-Dichloroethane-d4 (67-138%)	77 %					50	04/22/11 18:13	SW846 8260B	MJH	11D4866
Surr: Dibromofluoromethane (75-125%)	91 %					1	04/22/11 17:42	SW846 8260B	MJH	11D4866
Surr: Dibromofluoromethane (75-125%)	69 %	ZX				50	04/22/11 18:13	SW846 8260B	MJH	11D4866
Surr: Toluene-d8 (76-129%)	132 %	ZX				1	04/22/11 17:42	SW846 8260B	MJH	11D4866
Surr: Toluene-d8 (76-129%)	106 %					50	04/22/11 18:13	SW846 8260B	MJH	11D4866
Surr: 4-Bromofluorobenzene (67-147%)	62 %	ZX				1	04/22/11 17:42	SW846 8260B	MJH	11D4866
Surr: 4-Bromofluorobenzene (67-147%)	125 %					50	04/22/11 18:13	SW846 8260B	MJH	11D4866
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.151	0.720	5	04/19/11 22:29	SW846 8270D	BES	11D4497
Acenaphthylene	ND		mg/kg dry	0.215	0.720	5	04/19/11 22:29	SW846 8270D	BES	11D4497
Anthracene	ND		mg/kg dry	0.0968	0.720	5	04/19/11 22:29	SW846 8270D	BES	11D4497
Benzo (a) anthracene	ND		mg/kg dry	0.118	0.720	5	04/19/11 22:29	SW846 8270D	BES	11D4497
Benzo (a) pyrene	ND		mg/kg dry	0.0860	0.720	5	04/19/11 22:29	SW846 8270D	BES	11D4497
Benzo (b) fluoranthene	ND		mg/kg dry	0.409	0.720	5	04/19/11 22:29	SW846 8270D	BES	11D4497
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0968	0.720	5	04/19/11 22:29	SW846 8270D	BES	11D4497
Benzo (k) fluoranthene	ND		mg/kg dry	0.398	0.720	5	04/19/11 22:29	SW846 8270D	BES	11D4497
Chrysene	ND		mg/kg dry	0.333	0.720	5	04/19/11 22:29	SW846 8270D	BES	11D4497
Dibenz (a,h) anthracene	ND		mg/kg dry	0.161	0.720	5	04/19/11 22:29	SW846 8270D	BES	11D4497
Fluoranthene	ND		mg/kg dry	0.118	0.720	5	04/19/11 22:29	SW846 8270D	BES	11D4497
Fluorene	ND		mg/kg dry	0.215	0.720	5	04/19/11 22:29	SW846 8270D	BES	11D4497
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.333	0.720	5	04/19/11 22:29	SW846 8270D	BES	11D4497
Naphthalene	ND		mg/kg dry	0.151	0.720	5	04/19/11 22:29	SW846 8270D	BES	11D4497
Phenanthrene	ND		mg/kg dry	0.108	0.720	5	04/19/11 22:29	SW846 8270D	BES	11D4497
Pyrene	1.57		mg/kg dry	0.247	0.720	5	04/19/11 22:29	SW846 8270D	BES	11D4497
1-Methylnaphthalene	ND		mg/kg dry	0.129	0.720	5	04/19/11 22:29	SW846 8270D	BES	11D4497
2-Methylnaphthalene	ND		mg/kg dry	0.226	0.720	5	04/19/11 22:29	SW846 8270D	BES	11D4497
Surr: Terphenyl-d14 (18-120%)	61 %					5	04/19/11 22:29	SW846 8270D	BES	11D4497
Surr: 2-Fluorobiphenyl (14-120%)	88 %					5	04/19/11 22:29	SW846 8270D	BES	11D4497
Surr: Nitrobenzene-d5 (17-120%)	82 %					5	04/19/11 22:29	SW846 8270D	BES	11D4497

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

Work Order: NUD2768
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 04/16/11 08:45

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NUD2768-02 (1430 Dove - Soil) Sampled: 04/12/11 11:30										
General Chemistry Parameters										
% Dry Solids	85.6		%	0.500	0.500	1	04/25/11 15:07	SW-846	JJR	11D5574
Volatile Organic Compounds by EPA Method 8260B										
Benzene	ND		mg/kg dry	0.00119	0.00216	1	04/21/11 18:26	SW846 8260B	MJH	11D4465
Ethylbenzene	0.655		mg/kg dry	0.0514	0.105	50	04/22/11 18:43	SW846 8260B	MJH	11D4866
Naphthalene	5.01		mg/kg dry	0.0891	0.262	50	04/22/11 18:43	SW846 8260B	MJH	11D4866
Toluene	0.00104	J	mg/kg dry	0.000961	0.00216	1	04/21/11 18:26	SW846 8260B	MJH	11D4465
Xylenes, total	1.39		mg/kg dry	0.0996	0.262	50	04/22/11 18:43	SW846 8260B	MJH	11D4866
Surr: 1,2-Dichloroethane-d4 (67-138%)	78 %					1	04/21/11 18:26	SW846 8260B	MJH	11D4465
Surr: 1,2-Dichloroethane-d4 (67-138%)	77 %					50	04/22/11 18:43	SW846 8260B	MJH	11D4866
Surr: Dibromofluoromethane (75-125%)	77 %					1	04/21/11 18:26	SW846 8260B	MJH	11D4465
Surr: Dibromofluoromethane (75-125%)	74 %	ZX				50	04/22/11 18:43	SW846 8260B	MJH	11D4866
Surr: Toluene-d8 (76-129%)	155 %	ZX				1	04/21/11 18:26	SW846 8260B	MJH	11D4465
Surr: Toluene-d8 (76-129%)	108 %					50	04/22/11 18:43	SW846 8260B	MJH	11D4866
Surr: 4-Bromofluorobenzene (67-147%)	312 %	ZX				1	04/21/11 18:26	SW846 8260B	MJH	11D4465
Surr: 4-Bromofluorobenzene (67-147%)	128 %					50	04/22/11 18:43	SW846 8260B	MJH	11D4866
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	0.586		mg/kg dry	0.0158	0.0759	1	04/19/11 22:50	SW846 8270D	BES	11D4497
Acenaphthylene	0.235		mg/kg dry	0.0226	0.0759	1	04/19/11 22:50	SW846 8270D	BES	11D4497
Anthracene	0.443		mg/kg dry	0.0102	0.0759	1	04/19/11 22:50	SW846 8270D	BES	11D4497
Benzo (a) anthracene	0.692		mg/kg dry	0.0125	0.0759	1	04/19/11 22:50	SW846 8270D	BES	11D4497
Benzo (a) pyrene	0.242		mg/kg dry	0.00906	0.0759	1	04/19/11 22:50	SW846 8270D	BES	11D4497
Benzo (b) fluoranthene	0.354		mg/kg dry	0.0430	0.0759	1	04/19/11 22:50	SW846 8270D	BES	11D4497
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0102	0.0759	1	04/19/11 22:50	SW846 8270D	BES	11D4497
Benzo (k) fluoranthene	0.274		mg/kg dry	0.0419	0.0759	1	04/19/11 22:50	SW846 8270D	BES	11D4497
Chrysene	0.583		mg/kg dry	0.0351	0.0759	1	04/19/11 22:50	SW846 8270D	BES	11D4497
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0170	0.0759	1	04/19/11 22:50	SW846 8270D	BES	11D4497
Fluoranthene	1.92		mg/kg dry	0.0125	0.0759	1	04/19/11 22:50	SW846 8270D	BES	11D4497
Fluorene	1.31		mg/kg dry	0.0226	0.0759	1	04/19/11 22:50	SW846 8270D	BES	11D4497
Indeno (1,2,3-cd) pyrene	0.0653	J	mg/kg dry	0.0351	0.0759	1	04/19/11 22:50	SW846 8270D	BES	11D4497
Naphthalene	1.85		mg/kg dry	0.0158	0.0759	1	04/19/11 22:50	SW846 8270D	BES	11D4497
Phenanthrene	2.79		mg/kg dry	0.0113	0.0759	1	04/19/11 22:50	SW846 8270D	BES	11D4497
Pyrene	1.32		mg/kg dry	0.0260	0.0759	1	04/19/11 22:50	SW846 8270D	BES	11D4497
1-Methylnaphthalene	7.79		mg/kg dry	0.0679	0.379	5	04/20/11 19:18	SW846 8270D	BES	11D4497
2-Methylnaphthalene	12.6		mg/kg dry	0.119	0.379	5	04/20/11 19:18	SW846 8270D	BES	11D4497
Surr: Terphenyl-d14 (18-120%)	69 %					1	04/19/11 22:50	SW846 8270D	BES	11D4497
Surr: 2-Fluorobiphenyl (14-120%)	73 %					1	04/19/11 22:50	SW846 8270D	BES	11D4497
Surr: Nitrobenzene-d5 (17-120%)	74 %					1	04/19/11 22:50	SW846 8270D	BES	11D4497

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

Work Order: NUD2768
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 04/16/11 08:45

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NUD2768-03 (1358 Cardinal - Soil) Sampled: 04/13/11 12:15										
General Chemistry Parameters										
% Dry Solids	85.1		%	0.500	0.500	1	04/25/11 15:07	SW-846	JJR	11D5574
Volatile Organic Compounds by EPA Method 8260B										
Benzene	ND		mg/kg dry	0.00115	0.00209	1	04/22/11 16:09	SW846 8260B	MJH	11D4866
Ethylbenzene	ND		mg/kg dry	0.00102	0.00209	1	04/22/11 16:09	SW846 8260B	MJH	11D4866
Naphthalene	0.00951	CF7	mg/kg dry	0.00195	0.00572	1	04/21/11 18:56	SW846 8260B	MJH	11D4465
Toluene	0.000930	J	mg/kg dry	0.000930	0.00209	1	04/22/11 16:09	SW846 8260B	MJH	11D4866
Xylenes, total	ND		mg/kg dry	0.00199	0.00522	1	04/22/11 16:09	SW846 8260B	MJH	11D4866
Surr: 1,2-Dichloroethane-d4 (67-138%)	96 %					1	04/21/11 18:56	SW846 8260B	MJH	11D4465
Surr: 1,2-Dichloroethane-d4 (67-138%)	87 %					1	04/22/11 16:09	SW846 8260B	MJH	11D4866
Surr: Dibromofluoromethane (75-125%)	95 %					1	04/21/11 18:56	SW846 8260B	MJH	11D4465
Surr: Dibromofluoromethane (75-125%)	87 %					1	04/22/11 16:09	SW846 8260B	MJH	11D4866
Surr: Toluene-d8 (76-129%)	105 %					1	04/21/11 18:56	SW846 8260B	MJH	11D4465
Surr: Toluene-d8 (76-129%)	108 %					1	04/22/11 16:09	SW846 8260B	MJH	11D4866
Surr: 4-Bromofluorobenzene (67-147%)	127 %					1	04/21/11 18:56	SW846 8260B	MJH	11D4465
Surr: 4-Bromofluorobenzene (67-147%)	158 %	ZX				1	04/22/11 16:09	SW846 8260B	MJH	11D4866
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0162	0.0776	1	04/19/11 23:11	SW846 8270D	BES	11D4497
Acenaphthylene	ND		mg/kg dry	0.0232	0.0776	1	04/19/11 23:11	SW846 8270D	BES	11D4497
Anthracene	ND		mg/kg dry	0.0104	0.0776	1	04/19/11 23:11	SW846 8270D	BES	11D4497
Benzo (a) anthracene	ND		mg/kg dry	0.0127	0.0776	1	04/19/11 23:11	SW846 8270D	BES	11D4497
Benzo (a) pyrene	0.106		mg/kg dry	0.00926	0.0776	1	04/19/11 23:11	SW846 8270D	BES	11D4497
Benzo (b) fluoranthene	ND		mg/kg dry	0.0440	0.0776	1	04/19/11 23:11	SW846 8270D	BES	11D4497
Benzo (g,h,i) perylene	0.127		mg/kg dry	0.0104	0.0776	1	04/19/11 23:11	SW846 8270D	BES	11D4497
Benzo (k) fluoranthene	ND		mg/kg dry	0.0428	0.0776	1	04/19/11 23:11	SW846 8270D	BES	11D4497
Chrysene	ND		mg/kg dry	0.0359	0.0776	1	04/19/11 23:11	SW846 8270D	BES	11D4497
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0174	0.0776	1	04/19/11 23:11	SW846 8270D	BES	11D4497
Fluoranthene	ND		mg/kg dry	0.0127	0.0776	1	04/19/11 23:11	SW846 8270D	BES	11D4497
Fluorene	ND		mg/kg dry	0.0232	0.0776	1	04/19/11 23:11	SW846 8270D	BES	11D4497
Indeno (1,2,3-cd) pyrene	0.0930		mg/kg dry	0.0359	0.0776	1	04/19/11 23:11	SW846 8270D	BES	11D4497
Naphthalene	ND		mg/kg dry	0.0162	0.0776	1	04/19/11 23:11	SW846 8270D	BES	11D4497
Phenanthrene	ND		mg/kg dry	0.0116	0.0776	1	04/19/11 23:11	SW846 8270D	BES	11D4497
Pyrene	ND		mg/kg dry	0.0266	0.0776	1	04/19/11 23:11	SW846 8270D	BES	11D4497
1-Methylnaphthalene	ND		mg/kg dry	0.0139	0.0776	1	04/19/11 23:11	SW846 8270D	BES	11D4497
2-Methylnaphthalene	ND		mg/kg dry	0.0243	0.0776	1	04/19/11 23:11	SW846 8270D	BES	11D4497
Surr: Terphenyl-d14 (18-120%)	69 %					1	04/19/11 23:11	SW846 8270D	BES	11D4497
Surr: 2-Fluorobiphenyl (14-120%)	68 %					1	04/19/11 23:11	SW846 8270D	BES	11D4497
Surr: Nitrobenzene-d5 (17-120%)	82 %					1	04/19/11 23:11	SW846 8270D	BES	11D4497

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

Work Order: NUD2768
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 04/16/11 08:45

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NUD2768-04 (1444-Dove-1 - Soil) Sampled: 04/14/11 12:00										
General Chemistry Parameters										
% Dry Solids	79.8		%	0.500	0.500	1	04/25/11 15:07	SW-846	JJR	11D5574
Volatile Organic Compounds by EPA Method 8260B										
Benzene	ND		mg/kg dry	0.00125	0.00227	1	04/21/11 19:27	SW846 8260B	MJH	11D4465
Ethylbenzene	ND		mg/kg dry	0.00111	0.00227	1	04/21/11 19:27	SW846 8260B	MJH	11D4465
Naphthalene	0.00918		mg/kg dry	0.00193	0.00568	1	04/21/11 19:27	SW846 8260B	MJH	11D4465
Toluene	ND		mg/kg dry	0.00101	0.00227	1	04/21/11 19:27	SW846 8260B	MJH	11D4465
Xylenes, total	ND		mg/kg dry	0.00216	0.00568	1	04/21/11 19:27	SW846 8260B	MJH	11D4465
Surr: 1,2-Dichloroethane-d4 (67-138%)	84 %					1	04/21/11 19:27	SW846 8260B	MJH	11D4465
Surr: Dibromofluoromethane (75-125%)	84 %					1	04/21/11 19:27	SW846 8260B	MJH	11D4465
Surr: Toluene-d8 (76-129%)	109 %					1	04/21/11 19:27	SW846 8260B	MJH	11D4465
Surr: 4-Bromofluorobenzene (67-147%)	130 %					1	04/21/11 19:27	SW846 8260B	MJH	11D4465
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	0.0832		mg/kg dry	0.0173	0.0828	1	04/19/11 23:33	SW846 8270D	BES	11D4497
Acenaphthylene	ND		mg/kg dry	0.0247	0.0828	1	04/19/11 23:33	SW846 8270D	BES	11D4497
Anthracene	ND		mg/kg dry	0.0111	0.0828	1	04/19/11 23:33	SW846 8270D	BES	11D4497
Benzo (a) anthracene	0.336		mg/kg dry	0.0136	0.0828	1	04/19/11 23:33	SW846 8270D	BES	11D4497
Benzo (a) pyrene	0.309		mg/kg dry	0.00989	0.0828	1	04/19/11 23:33	SW846 8270D	BES	11D4497
Benzo (b) fluoranthene	0.660		mg/kg dry	0.0470	0.0828	1	04/19/11 23:33	SW846 8270D	BES	11D4497
Benzo (g,h,i) perylene	0.119		mg/kg dry	0.0111	0.0828	1	04/19/11 23:33	SW846 8270D	BES	11D4497
Benzo (k) fluoranthene	0.440		mg/kg dry	0.0457	0.0828	1	04/19/11 23:33	SW846 8270D	BES	11D4497
Chrysene	0.456		mg/kg dry	0.0383	0.0828	1	04/19/11 23:33	SW846 8270D	BES	11D4497
Dibenz (a,h) anthracene	0.0840		mg/kg dry	0.0185	0.0828	1	04/19/11 23:33	SW846 8270D	BES	11D4497
Fluoranthene	0.451		mg/kg dry	0.0136	0.0828	1	04/19/11 23:33	SW846 8270D	BES	11D4497
Fluorene	0.0783	J	mg/kg dry	0.0247	0.0828	1	04/19/11 23:33	SW846 8270D	BES	11D4497
Indeno (1,2,3-cd) pyrene	0.145		mg/kg dry	0.0383	0.0828	1	04/19/11 23:33	SW846 8270D	BES	11D4497
Naphthalene	ND		mg/kg dry	0.0173	0.0828	1	04/19/11 23:33	SW846 8270D	BES	11D4497
Phenanthrene	0.131		mg/kg dry	0.0124	0.0828	1	04/19/11 23:33	SW846 8270D	BES	11D4497
Pyrene	1.21		mg/kg dry	0.0284	0.0828	1	04/19/11 23:33	SW846 8270D	BES	11D4497
1-Methylnaphthalene	0.117		mg/kg dry	0.0148	0.0828	1	04/19/11 23:33	SW846 8270D	BES	11D4497
2-Methylnaphthalene	0.132		mg/kg dry	0.0259	0.0828	1	04/19/11 23:33	SW846 8270D	BES	11D4497
Surr: Terphenyl-d14 (18-120%)	65 %					1	04/19/11 23:33	SW846 8270D	BES	11D4497
Surr: 2-Fluorobiphenyl (14-120%)	60 %					1	04/19/11 23:33	SW846 8270D	BES	11D4497
Surr: Nitrobenzene-d5 (17-120%)	70 %					1	04/19/11 23:33	SW846 8270D	BES	11D4497

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

Work Order: NUD2768
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 04/16/11 08:45

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NUD2768-05 (1444-Dove-2 - Soil) Sampled: 04/14/11 14:45										
General Chemistry Parameters										
% Dry Solids	82.3		%	0.500	0.500	1	04/25/11 15:07	SW-846	JJR	11D5574
Volatile Organic Compounds by EPA Method 8260B										
Benzene	ND		mg/kg dry	0.00130	0.00236	1	04/21/11 19:58	SW846 8260B	MJH	11D4465
Ethylbenzene	ND		mg/kg dry	0.00116	0.00236	1	04/21/11 19:58	SW846 8260B	MJH	11D4465
Naphthalene	0.00566	J	mg/kg dry	0.00201	0.00591	1	04/21/11 19:58	SW846 8260B	MJH	11D4465
Toluene	ND		mg/kg dry	0.00105	0.00236	1	04/21/11 19:58	SW846 8260B	MJH	11D4465
Xylenes, total	ND		mg/kg dry	0.00225	0.00591	1	04/21/11 19:58	SW846 8260B	MJH	11D4465
Surr: 1,2-Dichloroethane-d4 (67-138%)	78 %					1	04/21/11 19:58	SW846 8260B	MJH	11D4465
Surr: Dibromofluoromethane (75-125%)	78 %					1	04/21/11 19:58	SW846 8260B	MJH	11D4465
Surr: Toluene-d8 (76-129%)	105 %					1	04/21/11 19:58	SW846 8260B	MJH	11D4465
Surr: 4-Bromofluorobenzene (67-147%)	124 %					1	04/21/11 19:58	SW846 8260B	MJH	11D4465
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0165	0.0788	1	04/20/11 19:40	SW846 8270D	BES	11D4497
Acenaphthylene	ND		mg/kg dry	0.0235	0.0788	1	04/20/11 19:40	SW846 8270D	BES	11D4497
Anthracene	ND		mg/kg dry	0.0106	0.0788	1	04/20/11 19:40	SW846 8270D	BES	11D4497
Benzo (a) anthracene	ND		mg/kg dry	0.0129	0.0788	1	04/20/11 19:40	SW846 8270D	BES	11D4497
Benzo (a) pyrene	ND		mg/kg dry	0.00941	0.0788	1	04/20/11 19:40	SW846 8270D	BES	11D4497
Benzo (b) fluoranthene	ND		mg/kg dry	0.0447	0.0788	1	04/20/11 19:40	SW846 8270D	BES	11D4497
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0106	0.0788	1	04/20/11 19:40	SW846 8270D	BES	11D4497
Benzo (k) fluoranthene	ND		mg/kg dry	0.0435	0.0788	1	04/20/11 19:40	SW846 8270D	BES	11D4497
Chrysene	ND		mg/kg dry	0.0365	0.0788	1	04/20/11 19:40	SW846 8270D	BES	11D4497
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0177	0.0788	1	04/20/11 19:40	SW846 8270D	BES	11D4497
Fluoranthene	ND		mg/kg dry	0.0129	0.0788	1	04/20/11 19:40	SW846 8270D	BES	11D4497
Fluorene	ND		mg/kg dry	0.0235	0.0788	1	04/20/11 19:40	SW846 8270D	BES	11D4497
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0365	0.0788	1	04/20/11 19:40	SW846 8270D	BES	11D4497
Naphthalene	ND		mg/kg dry	0.0165	0.0788	1	04/20/11 19:40	SW846 8270D	BES	11D4497
Phenanthrene	ND		mg/kg dry	0.0118	0.0788	1	04/20/11 19:40	SW846 8270D	BES	11D4497
Pyrene	ND		mg/kg dry	0.0271	0.0788	1	04/20/11 19:40	SW846 8270D	BES	11D4497
1-Methylnaphthalene	ND		mg/kg dry	0.0141	0.0788	1	04/20/11 19:40	SW846 8270D	BES	11D4497
2-Methylnaphthalene	ND		mg/kg dry	0.0247	0.0788	1	04/20/11 19:40	SW846 8270D	BES	11D4497
Surr: Terphenyl-d14 (18-120%)	66 %					1	04/20/11 19:40	SW846 8270D	BES	11D4497
Surr: 2-Fluorobiphenyl (14-120%)	52 %					1	04/20/11 19:40	SW846 8270D	BES	11D4497
Surr: Nitrobenzene-d5 (17-120%)	58 %					1	04/20/11 19:40	SW846 8270D	BES	11D4497

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

Work Order: NUD2768
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 04/16/11 08:45

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extract Vol	Date	Analyst	Extraction Method
Polyaromatic Hydrocarbons by EPA 8270D							
SW846 8270D	11D4497	NUD2768-01	30.89	2.00	04/19/11 08:30	SAS	EPA 3550C
SW846 8270D	11D4497	NUD2768-02	30.96	1.00	04/19/11 08:30	SAS	EPA 3550C
SW846 8270D	11D4497	NUD2768-02RE1	30.96	1.00	04/19/11 08:30	SAS	EPA 3550C
SW846 8270D	11D4497	NUD2768-03	30.44	1.00	04/19/11 08:30	SAS	EPA 3550C
SW846 8270D	11D4497	NUD2768-04	30.44	1.00	04/19/11 08:30	SAS	EPA 3550C
SW846 8270D	11D4497	NUD2768-05	30.97	1.00	04/19/11 08:30	SAS	EPA 3550C
Volatile Organic Compounds by EPA Method 8260B							
SW846 8260B	11D4465	NUD2768-01	4.88	5.00	04/11/11 10:30	TSP	EPA 5035
SW846 8260B	11D4866	NUD2768-01RE1	4.71	5.00	04/11/11 10:30	TSP	EPA 5035
SW846 8260B	11D4866	NUD2768-01RE2	4.51	5.00	04/11/11 10:30	TSP	EPA 5035
SW846 8260B	11D4465	NUD2768-02	5.41	5.00	04/12/11 11:30	TSP	EPA 5035
SW846 8260B	11D4866	NUD2768-02RE1	5.57	5.00	04/12/11 11:30	TSP	EPA 5035
SW846 8260B	11D4465	NUD2768-03	5.13	5.00	04/13/11 12:15	TSP	EPA 5035
SW846 8260B	11D4866	NUD2768-03RE1	5.62	5.00	04/13/11 12:15	TSP	EPA 5035
SW846 8260B	11D4465	NUD2768-04	5.52	5.00	04/14/11 12:00	TSP	EPA 5035
SW846 8260B	11D4465	NUD2768-05	5.14	5.00	04/14/11 14:45	TSP	EPA 5035

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

Work Order: NUD2768
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 04/16/11 08:45

PROJECT QUALITY CONTROL DATA

Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
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Volatile Organic Compounds by EPA Method 8260B

11D4465-BLK1

Benzene	<0.00110		mg/kg wet	11D4465	11D4465-BLK1	04/21/11 13:49
Ethylbenzene	<0.000980		mg/kg wet	11D4465	11D4465-BLK1	04/21/11 13:49
Naphthalene	<0.00170		mg/kg wet	11D4465	11D4465-BLK1	04/21/11 13:49
Toluene	<0.000890		mg/kg wet	11D4465	11D4465-BLK1	04/21/11 13:49
Xylenes, total	<0.00190		mg/kg wet	11D4465	11D4465-BLK1	04/21/11 13:49
Surrogate: 1,2-Dichloroethane-d4	94%			11D4465	11D4465-BLK1	04/21/11 13:49
Surrogate: Dibromofluoromethane	91%			11D4465	11D4465-BLK1	04/21/11 13:49
Surrogate: Toluene-d8	102%			11D4465	11D4465-BLK1	04/21/11 13:49
Surrogate: 4-Bromofluorobenzene	115%			11D4465	11D4465-BLK1	04/21/11 13:49

11D4465-BLK2

Benzene	<0.0550		mg/kg wet	11D4465	11D4465-BLK2	04/21/11 14:20
Ethylbenzene	<0.0490		mg/kg wet	11D4465	11D4465-BLK2	04/21/11 14:20
Naphthalene	<0.0850		mg/kg wet	11D4465	11D4465-BLK2	04/21/11 14:20
Toluene	<0.0445		mg/kg wet	11D4465	11D4465-BLK2	04/21/11 14:20
Xylenes, total	<0.0950		mg/kg wet	11D4465	11D4465-BLK2	04/21/11 14:20
Surrogate: 1,2-Dichloroethane-d4	83%			11D4465	11D4465-BLK2	04/21/11 14:20
Surrogate: Dibromofluoromethane	78%			11D4465	11D4465-BLK2	04/21/11 14:20
Surrogate: Toluene-d8	103%			11D4465	11D4465-BLK2	04/21/11 14:20
Surrogate: 4-Bromofluorobenzene	109%			11D4465	11D4465-BLK2	04/21/11 14:20

11D4866-BLK1

Benzene	<0.00110		mg/kg wet	11D4866	11D4866-BLK1	04/22/11 14:06
Ethylbenzene	<0.000980		mg/kg wet	11D4866	11D4866-BLK1	04/22/11 14:06
Naphthalene	<0.00170		mg/kg wet	11D4866	11D4866-BLK1	04/22/11 14:06
Toluene	<0.000890		mg/kg wet	11D4866	11D4866-BLK1	04/22/11 14:06
Xylenes, total	<0.00190		mg/kg wet	11D4866	11D4866-BLK1	04/22/11 14:06
Surrogate: 1,2-Dichloroethane-d4	102%			11D4866	11D4866-BLK1	04/22/11 14:06
Surrogate: Dibromofluoromethane	99%			11D4866	11D4866-BLK1	04/22/11 14:06
Surrogate: Toluene-d8	103%			11D4866	11D4866-BLK1	04/22/11 14:06
Surrogate: 4-Bromofluorobenzene	149%	Z2		11D4866	11D4866-BLK1	04/22/11 14:06

11D4866-BLK2

Benzene	<0.0550		mg/kg wet	11D4866	11D4866-BLK2	04/22/11 14:36
Ethylbenzene	<0.0490		mg/kg wet	11D4866	11D4866-BLK2	04/22/11 14:36
Naphthalene	<0.0850		mg/kg wet	11D4866	11D4866-BLK2	04/22/11 14:36
Toluene	<0.0445		mg/kg wet	11D4866	11D4866-BLK2	04/22/11 14:36
Xylenes, total	<0.0950		mg/kg wet	11D4866	11D4866-BLK2	04/22/11 14:36
Surrogate: 1,2-Dichloroethane-d4	93%			11D4866	11D4866-BLK2	04/22/11 14:36
Surrogate: Dibromofluoromethane	86%			11D4866	11D4866-BLK2	04/22/11 14:36
Surrogate: Toluene-d8	104%			11D4866	11D4866-BLK2	04/22/11 14:36
Surrogate: 4-Bromofluorobenzene	150%	Z2		11D4866	11D4866-BLK2	04/22/11 14:36

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

Work Order: NUD2768
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 04/16/11 08:45

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
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Volatile Organic Compounds by EPA Method 8260B

Polyaromatic Hydrocarbons by EPA 8270D

11D4497-BLK1

Acenaphthene	<0.0140		mg/kg wet	11D4497	11D4497-BLK1	04/19/11 20:21
Acenaphthylene	<0.0200		mg/kg wet	11D4497	11D4497-BLK1	04/19/11 20:21
Anthracene	<0.00900		mg/kg wet	11D4497	11D4497-BLK1	04/19/11 20:21
Benzo (a) anthracene	<0.0110		mg/kg wet	11D4497	11D4497-BLK1	04/19/11 20:21
Benzo (a) pyrene	<0.00800		mg/kg wet	11D4497	11D4497-BLK1	04/19/11 20:21
Benzo (b) fluoranthene	<0.0380		mg/kg wet	11D4497	11D4497-BLK1	04/19/11 20:21
Benzo (g,h,i) perylene	<0.00900		mg/kg wet	11D4497	11D4497-BLK1	04/19/11 20:21
Benzo (k) fluoranthene	<0.0370		mg/kg wet	11D4497	11D4497-BLK1	04/19/11 20:21
Chrysene	<0.0310		mg/kg wet	11D4497	11D4497-BLK1	04/19/11 20:21
Dibenz (a,h) anthracene	<0.0150		mg/kg wet	11D4497	11D4497-BLK1	04/19/11 20:21
Fluoranthene	<0.0110		mg/kg wet	11D4497	11D4497-BLK1	04/19/11 20:21
Fluorene	<0.0200		mg/kg wet	11D4497	11D4497-BLK1	04/19/11 20:21
Indeno (1,2,3-cd) pyrene	<0.0310		mg/kg wet	11D4497	11D4497-BLK1	04/19/11 20:21
Naphthalene	<0.0140		mg/kg wet	11D4497	11D4497-BLK1	04/19/11 20:21
Phenanthrene	<0.0100		mg/kg wet	11D4497	11D4497-BLK1	04/19/11 20:21
Pyrene	<0.0230		mg/kg wet	11D4497	11D4497-BLK1	04/19/11 20:21
1-Methylnaphthalene	<0.0120		mg/kg wet	11D4497	11D4497-BLK1	04/19/11 20:21
2-Methylnaphthalene	<0.0210		mg/kg wet	11D4497	11D4497-BLK1	04/19/11 20:21
Surrogate: Terphenyl-d14	78%			11D4497	11D4497-BLK1	04/19/11 20:21
Surrogate: 2-Fluorobiphenyl	66%			11D4497	11D4497-BLK1	04/19/11 20:21
Surrogate: Nitrobenzene-d5	78%			11D4497	11D4497-BLK1	04/19/11 20:21

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

Work Order: NUD2768
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 04/16/11 08:45

PROJECT QUALITY CONTROL DATA

Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	% Rec.	Analyzed Date/Time
General Chemistry Parameters										
11D5574-DUP1										
% Dry Solids	90.3	91.2		%	1	20	11D5574	NUD2768-01		04/25/11 15:07

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

Work Order: NUD2768
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 04/16/11 08:45

PROJECT QUALITY CONTROL DATA LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
11D4465-BS1								
Benzene	50.0	55.7		ug/kg	111%	78 - 126	11D4465	04/21/11 12:17
Ethylbenzene	50.0	60.6		ug/kg	121%	79 - 130	11D4465	04/21/11 12:17
Naphthalene	50.0	58.0		ug/kg	116%	72 - 150	11D4465	04/21/11 12:17
Toluene	50.0	60.2		ug/kg	120%	76 - 126	11D4465	04/21/11 12:17
Xylenes, total	150	188		ug/kg	126%	80 - 130	11D4465	04/21/11 12:17
Surrogate: 1,2-Dichloroethane-d4	50.0	50.6			101%	67 - 138	11D4465	04/21/11 12:17
Surrogate: Dibromofluoromethane	50.0	48.9			98%	75 - 125	11D4465	04/21/11 12:17
Surrogate: Toluene-d8	50.0	51.0			102%	76 - 129	11D4465	04/21/11 12:17
Surrogate: 4-Bromofluorobenzene	50.0	51.1			102%	67 - 147	11D4465	04/21/11 12:17
11D4866-BS1								
Benzene	50.0	46.7		ug/kg	93%	78 - 126	11D4866	04/22/11 12:33
Ethylbenzene	50.0	60.2		ug/kg	120%	79 - 130	11D4866	04/22/11 12:33
Naphthalene	50.0	55.5		ug/kg	111%	72 - 150	11D4866	04/22/11 12:33
Toluene	50.0	58.8		ug/kg	118%	76 - 126	11D4866	04/22/11 12:33
Xylenes, total	150	186		ug/kg	124%	80 - 130	11D4866	04/22/11 12:33
Surrogate: 1,2-Dichloroethane-d4	50.0	42.0			84%	67 - 138	11D4866	04/22/11 12:33
Surrogate: Dibromofluoromethane	50.0	41.6			83%	75 - 125	11D4866	04/22/11 12:33
Surrogate: Toluene-d8	50.0	52.8			106%	76 - 129	11D4866	04/22/11 12:33
Surrogate: 4-Bromofluorobenzene	50.0	58.1			116%	67 - 147	11D4866	04/22/11 12:33
Polyaromatic Hydrocarbons by EPA 8270D								
11D4497-BS1								
Acenaphthene	1.67	1.30		mg/kg wet	78%	49 - 120	11D4497	04/19/11 20:42
Acenaphthylene	1.67	1.33		mg/kg wet	80%	52 - 120	11D4497	04/19/11 20:42
Anthracene	1.67	1.55		mg/kg wet	93%	58 - 120	11D4497	04/19/11 20:42
Benzo (a) anthracene	1.67	1.54		mg/kg wet	92%	57 - 120	11D4497	04/19/11 20:42
Benzo (a) pyrene	1.67	1.57		mg/kg wet	94%	55 - 120	11D4497	04/19/11 20:42
Benzo (b) fluoranthene	1.67	1.58		mg/kg wet	95%	51 - 123	11D4497	04/19/11 20:42
Benzo (g,h,i) perylene	1.67	1.30		mg/kg wet	78%	49 - 121	11D4497	04/19/11 20:42
Benzo (k) fluoranthene	1.67	1.58		mg/kg wet	95%	42 - 129	11D4497	04/19/11 20:42
Chrysene	1.67	1.46		mg/kg wet	88%	55 - 120	11D4497	04/19/11 20:42
Dibenz (a,h) anthracene	1.67	1.45		mg/kg wet	87%	50 - 123	11D4497	04/19/11 20:42
Fluoranthene	1.67	1.52		mg/kg wet	91%	58 - 120	11D4497	04/19/11 20:42
Fluorene	1.67	1.42		mg/kg wet	85%	54 - 120	11D4497	04/19/11 20:42
Indeno (1,2,3-cd) pyrene	1.67	1.40		mg/kg wet	84%	50 - 122	11D4497	04/19/11 20:42
Naphthalene	1.67	1.18		mg/kg wet	71%	28 - 120	11D4497	04/19/11 20:42
Phenanthrene	1.67	1.47		mg/kg wet	88%	56 - 120	11D4497	04/19/11 20:42
Pyrene	1.67	1.61		mg/kg wet	97%	56 - 120	11D4497	04/19/11 20:42
1-Methylnaphthalene	1.67	1.07		mg/kg wet	64%	36 - 120	11D4497	04/19/11 20:42
2-Methylnaphthalene	1.67	1.22		mg/kg wet	73%	36 - 120	11D4497	04/19/11 20:42

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

Work Order: NUD2768
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 04/16/11 08:45

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Polyaromatic Hydrocarbons by EPA 8270D								
11D4497-BS1								
<i>Surrogate: Terphenyl-d14</i>	1.67	1.42			85%	18 - 120	11D4497	04/19/11 20:42
<i>Surrogate: 2-Fluorobiphenyl</i>	1.67	1.22			73%	14 - 120	11D4497	04/19/11 20:42
<i>Surrogate: Nitrobenzene-d5</i>	1.67	1.30			78%	17 - 120	11D4497	04/19/11 20:42

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

Work Order: NUD2768
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 04/16/11 08:45

PROJECT QUALITY CONTROL DATA

LCS Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
11D4465-BSD1												
Benzene		49.7		ug/kg	50.0	99%	78 - 126	11	50	11D4465		04/21/11 12:48
Ethylbenzene		59.4		ug/kg	50.0	119%	79 - 130	2	50	11D4465		04/21/11 12:48
Naphthalene		55.2		ug/kg	50.0	110%	72 - 150	5	50	11D4465		04/21/11 12:48
Toluene		59.6		ug/kg	50.0	119%	76 - 126	1	50	11D4465		04/21/11 12:48
Xylenes, total		187		ug/kg	150	125%	80 - 130	0.9	50	11D4465		04/21/11 12:48
Surrogate: 1,2-Dichloroethane-d4		45.7		ug/kg	50.0	91%	67 - 138			11D4465		04/21/11 12:48
Surrogate: Dibromofluoromethane		44.4		ug/kg	50.0	89%	75 - 125			11D4465		04/21/11 12:48
Surrogate: Toluene-d8		51.4		ug/kg	50.0	103%	76 - 129			11D4465		04/21/11 12:48
Surrogate: 4-Bromofluorobenzene		52.0		ug/kg	50.0	104%	67 - 147			11D4465		04/21/11 12:48

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

Work Order: NUD2768
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 04/16/11 08:45

PROJECT QUALITY CONTROL DATA Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B										
11D4465-MS1										
Benzene	ND	2.36		mg/kg wet	2.47	96%	42 - 141	11D4465	NUD2041-01R E2	04/21/11 23:33
Ethylbenzene	ND	2.90		mg/kg wet	2.47	117%	21 - 165	11D4465	NUD2041-01R E2	04/21/11 23:33
Naphthalene	0.235	2.44		mg/kg wet	2.47	89%	10 - 160	11D4465	NUD2041-01R E2	04/21/11 23:33
Toluene	ND	2.83		mg/kg wet	2.47	115%	45 - 145	11D4465	NUD2041-01R E2	04/21/11 23:33
Xylenes, total	ND	8.89		mg/kg wet	7.40	120%	31 - 159	11D4465	NUD2041-01R E2	04/21/11 23:33
Surrogate: 1,2-Dichloroethane-d4		43.6		ug/kg	50.0	87%	67 - 138	11D4465	NUD2041-01R E2	04/21/11 23:33
Surrogate: Dibromofluoromethane		43.9		ug/kg	50.0	88%	75 - 125	11D4465	NUD2041-01R E2	04/21/11 23:33
Surrogate: Toluene-d8		53.6		ug/kg	50.0	107%	76 - 129	11D4465	NUD2041-01R E2	04/21/11 23:33
Surrogate: 4-Bromofluorobenzene		57.6		ug/kg	50.0	115%	67 - 147	11D4465	NUD2041-01R E2	04/21/11 23:33
11D4866-MS1										
Benzene	ND	2.03		mg/kg dry	2.62	77%	42 - 141	11D4866	NUD2768-02R E1	04/22/11 22:50
Ethylbenzene	0.655	3.44		mg/kg dry	2.62	106%	21 - 165	11D4866	NUD2768-02R E1	04/22/11 22:50
Naphthalene	5.01	7.45		mg/kg dry	2.62	93%	10 - 160	11D4866	NUD2768-02R E1	04/22/11 22:50
Toluene	ND	2.63		mg/kg dry	2.62	100%	45 - 145	11D4866	NUD2768-02R E1	04/22/11 22:50
Xylenes, total	1.39	10.0		mg/kg dry	7.87	110%	31 - 159	11D4866	NUD2768-02R E1	04/22/11 22:50
Surrogate: 1,2-Dichloroethane-d4		39.6		ug/kg	50.0	79%	67 - 138	11D4866	NUD2768-02R E1	04/22/11 22:50
Surrogate: Dibromofluoromethane		39.3		ug/kg	50.0	79%	75 - 125	11D4866	NUD2768-02R E1	04/22/11 22:50
Surrogate: Toluene-d8		53.9		ug/kg	50.0	108%	76 - 129	11D4866	NUD2768-02R E1	04/22/11 22:50
Surrogate: 4-Bromofluorobenzene		59.9		ug/kg	50.0	120%	67 - 147	11D4866	NUD2768-02R E1	04/22/11 22:50
Polyaromatic Hydrocarbons by EPA 8270D										
11D4497-MS1										
Acenaphthene	ND	1.65		mg/kg dry	2.55	65%	42 - 120	11D4497	NUD1535-01	04/19/11 21:04
Acenaphthylene	ND	1.71		mg/kg dry	2.55	67%	32 - 120	11D4497	NUD1535-01	04/19/11 21:04
Anthracene	ND	1.99		mg/kg dry	2.55	78%	10 - 200	11D4497	NUD1535-01	04/19/11 21:04
Benzo (a) anthracene	ND	1.97		mg/kg dry	2.55	77%	41 - 120	11D4497	NUD1535-01	04/19/11 21:04
Benzo (a) pyrene	ND	1.97		mg/kg dry	2.55	77%	33 - 121	11D4497	NUD1535-01	04/19/11 21:04
Benzo (b) fluoranthene	ND	2.19		mg/kg dry	2.55	86%	26 - 137	11D4497	NUD1535-01	04/19/11 21:04

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

Work Order: NUD2768
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 04/16/11 08:45

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
Polyaromatic Hydrocarbons by EPA 8270D										
11D4497-MS1										
Benzo (g,h,i) perylene	ND	1.61		mg/kg dry	2.55	63%	21 - 124	11D4497	NUD1535-01	04/19/11 21:04
Benzo (k) fluoranthene	ND	1.84		mg/kg dry	2.55	72%	14 - 140	11D4497	NUD1535-01	04/19/11 21:04
Chrysene	ND	1.85		mg/kg dry	2.55	73%	28 - 123	11D4497	NUD1535-01	04/19/11 21:04
Dibenz (a,h) anthracene	ND	1.83		mg/kg dry	2.55	72%	25 - 127	11D4497	NUD1535-01	04/19/11 21:04
Fluoranthene	ND	2.01		mg/kg dry	2.55	79%	38 - 120	11D4497	NUD1535-01	04/19/11 21:04
Fluorene	ND	1.84		mg/kg dry	2.55	72%	41 - 120	11D4497	NUD1535-01	04/19/11 21:04
Indeno (1,2,3-cd) pyrene	ND	1.78		mg/kg dry	2.55	70%	25 - 123	11D4497	NUD1535-01	04/19/11 21:04
Naphthalene	ND	1.54		mg/kg dry	2.55	60%	25 - 120	11D4497	NUD1535-01	04/19/11 21:04
Phenanthrene	ND	1.89		mg/kg dry	2.55	74%	37 - 120	11D4497	NUD1535-01	04/19/11 21:04
Pyrene	ND	2.05		mg/kg dry	2.55	81%	29 - 125	11D4497	NUD1535-01	04/19/11 21:04
1-Methylnaphthalene	ND	1.39		mg/kg dry	2.55	55%	19 - 120	11D4497	NUD1535-01	04/19/11 21:04
2-Methylnaphthalene	ND	1.60		mg/kg dry	2.55	63%	11 - 120	11D4497	NUD1535-01	04/19/11 21:04
Surrogate: Terphenyl-d14		1.67		mg/kg dry	2.55	66%	18 - 120	11D4497	NUD1535-01	04/19/11 21:04
Surrogate: 2-Fluorobiphenyl		1.50		mg/kg dry	2.55	59%	14 - 120	11D4497	NUD1535-01	04/19/11 21:04
Surrogate: Nitrobenzene-d5		1.62		mg/kg dry	2.55	63%	17 - 120	11D4497	NUD1535-01	04/19/11 21:04

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

Work Order: NUD2768
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 04/16/11 08:45

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
Volatile Organic Compounds by EPA Method 8260B												
11D4465-MSD1												
Benzene	ND	2.13		mg/kg wet	2.47	86%	42 - 141	10	50	11D4465	NUD2041-01R E2	04/22/11 00:04
Ethylbenzene	ND	3.04		mg/kg wet	2.47	123%	21 - 165	5	50	11D4465	NUD2041-01R E2	04/22/11 00:04
Naphthalene	0.235	2.50		mg/kg wet	2.47	92%	10 - 160	2	50	11D4465	NUD2041-01R E2	04/22/11 00:04
Toluene	ND	2.93		mg/kg wet	2.47	119%	45 - 145	4	50	11D4465	NUD2041-01R E2	04/22/11 00:04
Xylenes, total	ND	9.37		mg/kg wet	7.40	127%	31 - 159	5	50	11D4465	NUD2041-01R E2	04/22/11 00:04
Surrogate: 1,2-Dichloroethane-d4		37.6		ug/kg	50.0	75%	67 - 138			11D4465	NUD2041-01R E2	04/22/11 00:04
Surrogate: Dibromofluoromethane		38.4		ug/kg	50.0	77%	75 - 125			11D4465	NUD2041-01R E2	04/22/11 00:04
Surrogate: Toluene-d8		53.6		ug/kg	50.0	107%	76 - 129			11D4465	NUD2041-01R E2	04/22/11 00:04
Surrogate: 4-Bromofluorobenzene		58.9		ug/kg	50.0	118%	67 - 147			11D4465	NUD2041-01R E2	04/22/11 00:04
11D4866-MSD1												
Benzene	ND	2.40		mg/kg dry	2.62	92%	42 - 141	17	50	11D4866	NUD2768-02R E1	04/22/11 23:21
Ethylbenzene	0.655	3.73		mg/kg dry	2.62	117%	21 - 165	8	50	11D4866	NUD2768-02R E1	04/22/11 23:21
Naphthalene	5.01	7.50		mg/kg dry	2.62	95%	10 - 160	0.7	50	11D4866	NUD2768-02R E1	04/22/11 23:21
Toluene	ND	3.05		mg/kg dry	2.62	116%	45 - 145	15	50	11D4866	NUD2768-02R E1	04/22/11 23:21
Xylenes, total	1.39	11.0		mg/kg dry	7.87	122%	31 - 159	9	50	11D4866	NUD2768-02R E1	04/22/11 23:21
Surrogate: 1,2-Dichloroethane-d4		40.6		ug/kg	50.0	81%	67 - 138			11D4866	NUD2768-02R E1	04/22/11 23:21
Surrogate: Dibromofluoromethane		40.4		ug/kg	50.0	81%	75 - 125			11D4866	NUD2768-02R E1	04/22/11 23:21
Surrogate: Toluene-d8		53.7		ug/kg	50.0	107%	76 - 129			11D4866	NUD2768-02R E1	04/22/11 23:21
Surrogate: 4-Bromofluorobenzene		57.7		ug/kg	50.0	115%	67 - 147			11D4866	NUD2768-02R E1	04/22/11 23:21
Polyaromatic Hydrocarbons by EPA 8270D												
11D4497-MSD1												
Acenaphthene	ND	1.80		mg/kg dry	2.56	70%	42 - 120	8	40	11D4497	NUD1535-01	04/19/11 21:25
Acenaphthylene	ND	1.87		mg/kg dry	2.56	73%	32 - 120	9	30	11D4497	NUD1535-01	04/19/11 21:25
Anthracene	ND	2.12		mg/kg dry	2.56	83%	10 - 200	6	50	11D4497	NUD1535-01	04/19/11 21:25
Benzo (a) anthracene	ND	2.16		mg/kg dry	2.56	84%	41 - 120	9	30	11D4497	NUD1535-01	04/19/11 21:25
Benzo (a) pyrene	ND	2.13		mg/kg dry	2.56	83%	33 - 121	8	33	11D4497	NUD1535-01	04/19/11 21:25
Benzo (b) fluoranthene	ND	2.09		mg/kg dry	2.56	82%	26 - 137	4	42	11D4497	NUD1535-01	04/19/11 21:25
Benzo (g,h,i) perylene	ND	1.69		mg/kg dry	2.56	66%	21 - 124	5	32	11D4497	NUD1535-01	04/19/11 21:25
Benzo (k) fluoranthene	ND	2.19		mg/kg dry	2.56	85%	14 - 140	17	39	11D4497	NUD1535-01	04/19/11 21:25

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

Work Order: NUD2768
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 04/16/11 08:45

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
Polyaromatic Hydrocarbons by EPA 8270D												
11D4497-MSD1												
Chrysene	ND	1.95		mg/kg dry	2.56	76%	28 - 123	5	34	11D4497	NUD1535-01	04/19/11 21:25
Dibenz (a,h) anthracene	ND	1.93		mg/kg dry	2.56	75%	25 - 127	6	31	11D4497	NUD1535-01	04/19/11 21:25
Fluoranthene	ND	2.18		mg/kg dry	2.56	85%	38 - 120	8	35	11D4497	NUD1535-01	04/19/11 21:25
Fluorene	ND	2.00		mg/kg dry	2.56	78%	41 - 120	8	37	11D4497	NUD1535-01	04/19/11 21:25
Indeno (1,2,3-cd) pyrene	ND	1.83		mg/kg dry	2.56	71%	25 - 123	3	32	11D4497	NUD1535-01	04/19/11 21:25
Naphthalene	ND	1.70		mg/kg dry	2.56	66%	25 - 120	10	42	11D4497	NUD1535-01	04/19/11 21:25
Phenanthrene	ND	2.04		mg/kg dry	2.56	80%	37 - 120	8	32	11D4497	NUD1535-01	04/19/11 21:25
Pyrene	ND	2.13		mg/kg dry	2.56	83%	29 - 125	3	40	11D4497	NUD1535-01	04/19/11 21:25
1-Methylnaphthalene	ND	1.55		mg/kg dry	2.56	61%	19 - 120	11	45	11D4497	NUD1535-01	04/19/11 21:25
2-Methylnaphthalene	ND	1.78		mg/kg dry	2.56	70%	11 - 120	11	50	11D4497	NUD1535-01	04/19/11 21:25
Surrogate: Terphenyl-d14		1.70		mg/kg dry	2.56	66%	18 - 120			11D4497	NUD1535-01	04/19/11 21:25
Surrogate: 2-Fluorobiphenyl		1.61		mg/kg dry	2.56	63%	14 - 120			11D4497	NUD1535-01	04/19/11 21:25
Surrogate: Nitrobenzene-d5		1.75		mg/kg dry	2.56	68%	17 - 120			11D4497	NUD1535-01	04/19/11 21:25

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

Work Order: NUD2768
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 04/16/11 08:45

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)
10179 Highway 78
Ladson, SC 29456
Attn Tom McElwee

Work Order: NUD2768
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 04/16/11 08:45

DATA QUALIFIERS AND DEFINITIONS

CF7 Result may be elevated due to carry over from previously analyzed sample.
J Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL).
Concentrations within this range are estimated.
RL1 Reporting limit raised due to sample matrix effects.
Z2 Surrogate recovery was above the acceptance limits. Data not impacted.
ZX Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.
ND Not detected at the reporting limit (or method detection limit if shown)

METHOD MODIFICATION NOTES

NUD2768

05/02/11 23 59

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Nashville Division
2960 Foster Creighton
Nashville, TN 37204Phone: 615-726-0177
Toll Free: 800-765-0980
Fax: 615-726-3404

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

Client Name/Account #: EEG - SBG # 2449

Address: 10179 Highway 78

City/State/Zip: Ladson, SC 29456

Project Manager: Tom McElwee email: mcelwee@eeginc.net

Telephone Number: 843.412.2097

Sampler Name: (Print)

Sampler Signature:

Compliance Monitoring? Yes ☐ No ☐Enforcement Action? Yes ☐ No ☐

Site State: SC

PO#: 1027

TA Quote #:

Project ID: Laurel Bay Housing Project

Project #:

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative								Matrix					Analyze For:										RUSH TAT (Pre-Schedule)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
							Ice	HNO ₃ (Red Label)	HCl (Blue Label)	NaOH (Orange Label)	H ₂ SO ₄ Plastic (Yellow Label)	H ₂ SO ₄ Glass (Yellow Label)	None (Black Label)	Other (Specify)	Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	BTEX + Napth - 82608	PAH - 8270D																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

Special Instructions:

Method of Shipment:

FEDEX

Relinquished by:

Date

Time

Received by:

Date

Time

Relinquished by:

Date

Time

Received by TestAmerica:

Date

Time

Laboratory Comments:

Temperature Upon Receipt:
VOCs Free of Headspace?

Y

ATTACHMENT A

UST Certificate of Disposal

CONTRACTOR

Small Business Group, Inc.
10179 Highway 78
Ladson, SC 29456

TEL (843) 879-0403
FAX (843) 879-0401

TANK ID & LOCATION

UST 1444Dove-1, 1444 Dove Lane, Laurel Bay Housing Area, MCAS Beaufort, S.C.

DISPOSAL LOCATION

Coastal Auto Salvage Co., Inc.
130 Laurel Bay Road
Beaufort, S.C. 29906

TYPE OF TANK

SIZE (GAL)

Steel

280

CLEANING/DISPOSAL METHOD

The tank and piping were unearthed, cut open, cleaned with a pressure washer, cut into sections, and recycled.

DISPOSAL CERTIFICATION

I certify that the above tank, piping and equipment has been properly cleaned and disposed of.

T. L. McQueen , 5/13/11
(Name) (Date)



NON-HAZARDOUS MANIFEST

NON-HAZARDOUS MANIFEST		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 WMNA 00316811			
5. Transporter 1 Company Name EEG, INC.		6. US EPA ID Number		C. State Transporter's ID		B. State Generator's ID			
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 843-879-0411		E. State Transporter's ID			
9. Designated Facility Name and Site Address HICKORY HILL LANDFILL 2621 LOW COUNTRY ROAD RIDGELAND, SC 29936		10. US EPA ID Number		F. Transporter's Phone		G. State Facility ID			
				H. State Facility Phone 843-987-4643					
GENERATOR	11. Description of Waste Materials		12. Containers		13. Total Quantity	14. Unit Wt./Vol.	i. Misc. Comments		
	a. HEATING OIL TANKS FILLED WITH SAND WM Profile # 102655SC		No.	Type					
	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 YST's from: 1) 1358 CARDINAL 2) 1444 DOOR-21 4) 1383 DOOR 6) 1362 CARDINAL 3) 769 ALTHEA-21 5) 1408 EASE									
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 Charles H. Herron		Signature "On behalf of" Charles H. Herron				Month 5	Day 11	Year 11	
TRANSPORTER	17. Transporter 1 Acknowledgement of Receipt of Materials		Printed Name James Baldwin		Signature James Baldwin		Month 5	Day 12	Year 11
	18. Transporter 2 Acknowledgement of Receipt of Materials		Printed Name		Signature		Month	Day	Year
FACILITY	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 Tom Cofield		Signature Tom Cofield				Month 5	Day 12	Year 11	

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY

Blue- GENERATOR #2 COPY

Yellow- GENERATOR #1 COPY

Pink- FACILITY USE ONLY

Gold- TRANSPORTER #1 COPY

Appendix C

Laboratory Analytical Report - Initial Groundwater

(Appendix C is not included due to the detection of free product)

Appendix D
Laboratory Analytical Report – Permanent Well Groundwater

Volatile Organic Compounds by GC/MS

Client: AECOM - Resolution Consultants				Laboratory ID: SL09005-003			
Description: BEALB1444MW01WG20171207				Matrix: Aqueous			
Date Sampled: 12/07/2017 1150							
Date Received: 12/09/2017							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	12/13/2017 1154	JJG		59492		

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzene	71-43-2	8260B	0.80	U	1.0	0.80	0.40	ug/L	1
Ethylbenzene	100-41-4	8260B	0.80	U	1.0	0.80	0.40	ug/L	1
Naphthalene	91-20-3	8260B	0.80	U	1.0	0.80	0.40	ug/L	1
Toluene	108-88-3	8260B	0.80	U	1.0	0.80	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	0.80	U	1.0	0.80	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		95	85-114
Dibromofluoromethane		99	80-119
1,2-Dichloroethane-d4		94	81-118
Toluene-d8		100	89-112

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and ≥ DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis	LOD = Limit of Detection		S = MS/MSD failure

Shealy Environmental Services, Inc.
 106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Semivolatile Organic Compounds by GC/MS

Client: AECOM - Resolution Consultants

Laboratory ID: SL09005-003

Description: BEALB1444MW01WG20171207

Matrix: Aqueous

Date Sampled: 12/07/2017 1150

Date Received: 12/09/2017

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	12/28/2017 1828	CMP2	12/13/2017 1528	59419

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzo(a)anthracene	56-55-3	8270D	0.10	UQ	0.20	0.10	0.040	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D	0.10	UQ	0.20	0.10	0.040	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D	0.10	UQ	0.20	0.10	0.040	ug/L	1
Chrysene	218-01-9	8270D	0.10	UQ	0.20	0.10	0.040	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D	0.10	UQ	0.20	0.10	0.040	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
Nitrobenzene-d5		44	44-120						
2-Fluorobiphenyl	N	42	44-119						
Terphenyl-d14		55	50-134						

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and ≥ DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis	LOD = Limit of Detection		S = MS/MSD failure

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Appendix E
Regulatory Correspondence



W. Marshall Taylor Jr., Acting Director

Promoting and protecting the health of the public and the environment

April 7, 2015

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

RE: IGWA
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 above referenced Underground Storage Tank 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. The submitted analytical results indicate that petroleum constituents are above established Risk-Based Screening Levels and additional investigation is warranted. Specifically, the Department requests that a groundwater sampling proposal be generated to determine if there has been an impact to groundwater at this site.

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 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)



Catherine B. Templeton, Director

Promoting and protecting the health of the public and the environment

Attachment to: Krieg to Drawdy
Subject: IGWA
Dated 4/7/2015

Laurel Bay Underground Storage Tank Assessment Reports for: (18 addresses/19 tanks)

1186 Bobwhite	1417 Albatross
1194 Cardinal	1420 Dove
1354 Cardinal	1421 Albatross Tank 1
1362 Cardinal	1421 Albatross Tank 2
1364 Cardinal Tank 1	1427 Albatross
1403 Eagle	1429 Albatross
1404 Eagle	1444 Dove Tank 1
1405 Eagle	1453 Cardinal
1408 Eagle	1455 Cardinal
1410 Eagle	



Catherine E. Heigel, Director

Promoting and protecting the health of the public and the environment

Division of Waste Management
Bureau of Land and Waste Management

February 22, 2016

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

RE: Approval and Concurrence with Draft Final Initial Groundwater Investigation Report-May and June 2015
Laurel Bay Military Housing Area Multiple Properties
Dated October 2015

Dear Mr. Drawdy,

The South Carolina Department of Health and Environmental Control (the Department) received groundwater data in the above referenced Groundwater Investigation Report for the addresses attached. 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).

Per the Department's request, groundwater samples were collected from the attached referenced addresses. The Department reviewed the groundwater data and previous investigations and it agrees with the conclusions and recommendations included in the document. To further assess the impact to groundwater, permanent wells should be installed at the 52 stated addresses. For the remaining 91 addresses, there is no indication of contamination on the property 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 petruslb@dhec.sc.gov or 803-898-0294.

Sincerely,

Laurel Petrus
RCRA Federal Facilities Section

Attachment: Specific Property Recommendations

Cc: Russell Berry, EQC Region 8 (via email)
Shawn Dolan, Resolution Consultants (via email)
Bryan Beck, NAVFAC MIDATLANTIC (via email)
Craig Ehde (via email)

Attachment to: Petrus to Drawdy
 Subject: Draft Final Initial Groundwater Investigation Report-May and June 2015
 Specific Property Recommendations
 Dated February 22, 2016

Draft Final Initial Groundwater Investigation Report for (143 addresses)

Permanent Monitoring Well Investigation recommendation (52 addresses)

273 Birch Drive	1192 Bobwhite Drive
325 Ash Street	1194 Bobwhite Drive
326 Ash Street	1272 Albatross Drive
336 Ash Street	1352 Cardinal Lane
343 Ash Street	1356 Cardinal Lane
353 Ash Street	1359 Cardinal Lane
430 Elderberry Drive	1360 Cardinal Lane
440 Elderberry Drive	1362 Cardinal Lane
456 Elderberry Drive	1370 Cardinal Lane
458 Elderberry Drive	1382 Dove Lane
468 Dogwood Drive	1384 Dove lane
518 Laurel Bay Blvd	1385 Dove Lane
635 Dahlia Drive	1389 Dove Lane
638 Dahlia Drive	1392 Dove Lane
640 Dahlia Drive	1393 Dove Lane
647 Dahlia Drive	1407 Eagle Lane
648 Dahlia Drive	1411 Eagle Lane
650 Dahlia Drive	1418 Albatross Drive
652 Dahlia Drive	1420 Albatross Drive
760 Althea Street	1426 Albatross Drive
1102 Iris Lane	1429 Albatross Drive
1132 Iris Lane	1434 Dove Lane
1133 Iris Lane	1436 Dove Lane
1144 Iris Lane	1440 Dove Lane
1148 Iris Lane	1442 Dove Lane
1186 Bobwhite Drive	1444 Dove Lane

No Further Action recommendation (91 addresses):

137 Laurel Bay Blvd	771 Althea Street
139 Laurel Bay Blvd	927 Albacore Street
229 Cypress Street	1015 Foxglove Street
261 Beech Street	1046 Gardenia Drive
276 Birch Drive	1062 Gardenia Drive
278 Birch Drive	1070 Heather Street
291 Birch Drive	1072 Heather Street

300 Ash Street	1107 Iris Lane
304 Ash Street	1126 Iris Lane
314 Ash Street	1129 Iris Lane
322 Ash Street	1138 Iris Lane
323 Ash Street	1161 Jasmine Street
324 Ash Street	1167 Jasmine Street
339 Ash Street	1170 Jasmine Street
344 Ash Street	1190 Bobwhite Drive
348 Ash Street	1219 Cardinal Lane
349 Ash Street	1305 Eagle Lane
362 Aspen Street	1353 Cardinal Lane
376 Aspen Street	1354 Cardinal Lane
380 Aspen Street	1357 Cardinal Lane
383 Aspen Street	1361 Cardinal Lane
387 Acorn Drive	1364 Cardinal Lane
392 Acorn Drive	1368 Cardinal Lane
396 Acorn Drive	1377 Dove Lane
433 Elderberry Drive	1381 Dove Lane
439 Elderberry Drive	1391 Dove Lane
442 Elderberry Drive	1403 Eagle Lane
443 Elderberry Drive	1404 Eagle Lane
444 Elderberry Drive	1405 Eagle Lane
445 Elderberry Drive	1406 Eagle Lane
446 Elderberry Drive	1408 Eagle Lane
448 Elderberry Drive	1410 Eagle Lane
449 Elderberry Drive	1412 Eagle Lane
451 Elderberry Drive	1413 Albatross Drive
453 Elderberry Drive	1414 Albatross Drive
464 Dogwood Drive	1417 Albatross Drive
466 Dogwood Drive	1421 Albatross Drive
467 Dogwood Drive	1422 Albatross Drive
469 Dogwood Drive	1425 Albatross Drive
471 Dogwood Drive	1427 Albatross Drive
475 Dogwood Drive	1430 Dove Lane
516 Laurel Bay Blvd	1432 Dove Lane
531 Laurel Bay Blvd	1438 Dove Lane
532 Laurel Bay Blvd	1453 Cardinal Lane
645 Dahlia Drive	1455 Cardinal Lane
763 Althea Street	



June 18, 2018

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

RE: Approved
Draft Groundwater Assessment Report November and December 2017
Laurel Bay Military Housing Area

Dear Mr. Drawdy:

The South Carolina Department of Health and Environmental Control (DHEC) received the above referenced report on April 4, 2018. 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).

DHEC has reviewed the report and based on this review, DHEC has not generated any comments. DHEC agrees with the recommendations in the report including the NFA recommendations shown on the list on the attached page. Please note that DHEC'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, DHEC retains the right to request further investigation if deemed necessary. If you have any questions, please contact me at petruslb@dhec.sc.gov or 803-898-0294.

Sincerely,

Laurel Petrus
Department of Defense Corrective Action Section

Cc: EQC Region 8
Shawn Dolan, Resolution Consultants
Bryan Beck, NAVFAC MIDLANT

Attachment

Approval Draft Final Groundwater Assessment Report
November and December 2017
Laurel Bay Military Housing Area

June 18, 2018

The addresses approved for NFA are:

- 1186 Bobwhite Drive
- 1192 Bobwhite Drive
- 1194 Bobwhite Drive
- 1352 Cardinal Lane
- 1356 Cardinal Lane
- 1382 Dove Lane
- 1384 Dove Lane
- 1411 Eagle Lane
- 1418 Albatross Drive
- 1426 Albatross Drive
- 1434 Dove Lane
- 1436 Dove Lane
- 1440 Dove Lane
- 1442 Dove Lane
- 1444 Dove Lane