SUMMARY REPORT
111 IRIS LANE (FORMERLY 1100 IRIS LANE)
LAUREL BAY MILITARY HOUSING AREA
MARINE CORPS AIR STATION BEAUFORT
BEAUFORT, SC

Revision: 0
Prepared for:

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

and

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

JUNE 2021

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Prepared by:

CDM - AECOM Multimedia Joint Venture
10560 Arrowhead Drive, Suite 500
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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 111 Iris Lane (Formerly 1100 Iris 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 USTs and conduct sampling activities to determine if, and to what extent, petroleum constituents may have impacted the surrounding environment. MCAS Beaufort coordinated with SCDHEC to develop removal procedures that were consistent with procedural requirements for regulated USTs. All tank removal activities and follow-on actions are conducted in coordination with SCDHEC. To date, all known USTs have been removed from all residential properties within the LBMH area.

1.2 UST Removal and Assessment Process

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

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

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

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

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

2.0 SAMPLING ACTIVITIES AND RESULTS

The following section presents the sampling activities and associated results for 111 Iris Lane (Formerly 1100 Iris Lane). Details regarding the soil investigation at this site are provided in the *SCDHEC UST Assessment Report – 1100 Iris Lane* (MCAS Beaufort, 2008), *SCDHEC UST Assessment Report – 1100 Iris Lane* (MCAS Beaufort, 2011) and *SCDHEC UST Assessment Report – 1100 Iris Lane* (MCAS Beaufort, 2015). The UST Assessment Reports are provided in Appendix B. Details regarding the IGWA sampling activities at this site are provided in the *Investigation of Ground Water at Leaking Heating Oil UST Sites – November 2008* (PANDEY Environmental, 2008). The laboratory report that includes the pertinent IGWA analytical results for this site is presented in Appendix C.

2.1 UST Removal and Soil Sampling

Three 280 gallon heating oil USTs were removed from 111 Iris Lane (Formerly 1100 Iris Lane). Tank 1 was removed on July 19, 2007 from the front of the house. Tank 2 was removed on

March 23, 2011 in front of the concrete porch adjacent to the driveway. Tank 3 was removed on August 18, 2015 from a portion of the concrete porch. The former UST locations are indicated in the figures of the UST Assessment Reports (Appendix B). The USTs were removed, cleaned, and shipped offsite for recycling. There was no visual evidence (i.e., staining or sheen) of petroleum impact at the time of each UST removal. According to the UST Assessment Reports (Appendix B), the depths to the bases of the USTs were 5'6" (Tank 1), 5' (Tank 2) and 6' (Tank 3) bgs and a single soil sample was collected from each at that depth. An additional soil sample was collected from the side of the excavation for Tank 1 at a depth of 4' bgs. The samples were collected from the fill port side of the former USTs to represent a worst case scenario.

Following UST removal, soil samples were collected from the base of each excavation and the side of the excavation of Tank 1 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. Copies of each laboratory analytical data report are included in the UST Assessment Reports presented in Appendix B. The laboratory analytical data report includes the soil results for the additional PAHs that were analyzed, but do not have associated RBSLs.

The soil sample results were submitted by MCAS Beaufort to SCDHEC utilizing SCDHEC's UST Assessment Report form (Appendix B). The results of the soil sampling at the former UST location were used by MCAS Beaufort, in consultation with SCDHEC, to determine a path forward (i.e., additional sampling or NFA) for the property. The soil results collected from Tank 1 on July 19, 2007 at 111 Iris Lane (Formerly 1100 Iris Lane) were greater than the SCDHEC RBSLs, which indicated further investigation was required. In a letter dated August 13, 2008, SCDHEC requested an IGWA for 111 Iris Lane (Formerly 1100 Iris Lane) to determine if the groundwater was impacted by petroleum COPCs. SCDHEC's request letter is provided in Appendix D. The soil results collected from Tank 2 and Tank 3 at 111 Iris Lane (Formerly 1100 Iris Lane) were less than the SCDHEC RBSLs, which indicated that the soil was not impacted by COPCs associated with the former USTs at concentrations that present a potential risk to human health and the environment.

2.3 Groundwater Sampling

On July 28, 2008, a temporary monitoring well was installed at 111 Iris Lane (Formerly 1100 Iris 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 in the figure of the *SCDHEC UST Assessment Report – 1100 Iris Lane* (MCAS Beaufort, 2008). The UST Assessment Report is provided in Appendix B. Further details are provided in the *Investigation of Ground Water at Leaking Heating Oil UST Sites – November 2008* (PANDEY Environmental, 2008).

The sampling strategy for this phase of the investigation required a one-time sampling event of the temporarily installed 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. Upon completion of groundwater sampling, the temporary well was abandoned in accordance with the South Carolina Well Standards and Regulations R.61-71 (SCDHEC, 2016). Field forms are provided in the *Investigation of Ground Water at Leaking Heating Oil UST Sites – November 2008* (PANDEY Environmental, 2008).

2.4 Groundwater Analytical Results

A summary of the laboratory analytical results and SCDHEC RBSLs is presented in Table 2. A copy of the laboratory analytical data report is included in Appendix C.

The groundwater results collected from 111 Iris Lane (Formerly 1100 Iris Lane) were less than the SCDHEC RBSLs and the site specific groundwater VISLs (Table 2), which indicated that the groundwater was not impacted by COPCs associated with the former UST at concentrations that present a potential risk to human health and the environment.

3.0 PROPERTY STATUS

Initially, based on the analytical results for groundwater, SCDHEC made the determination that NFA was required for 111 Iris Lane (Formerly 1100 Iris Lane). This NFA determination was obtained in a letter dated December 19, 2008. SCDHEC's NFA letter is provided in Appendix D.

After the discovery and subsequent soil sampling of the two additional tanks (Tank 2 and Tank 3) at 111 Iris Lane (Formerly 1100 Iris Lane), the soil results collected were less than the SCDHEC RBSLs, which indicated that the soil was not impacted by COPCs associated with the former USTs at concentrations that present a potential risk to human health and the environment. Therefore, NFA determination was obtained in a letter dated July 1, 2015 (Tank 2) and August 3, 2016 (Tank 3). SCDHEC's NFA letters are provided in Appendix D.

4.0 REFERENCES

Marine Corps Air Station Beaufort, 2008. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 1100 Iris Lane, Laurel Bay Military Housing Area*, December 2008.

Marine Corps Air Station Beaufort, 2011. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 1100 Iris Lane, Laurel Bay Military Housing Area*, June 2011.

Marine Corps Air Station Beaufort, 2015. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 1100 Iris Lane, Laurel Bay Military Housing Area*, November 2015.

PADEY Environmental, 2008. *Investigation of Ground Water at Leaking Heating Oil UST Sites – for 1100 Iris A at Laurel Bay Military Housing Area, Laurel Bay Military Housing Area, Marine Corps Air Station Beaufort, Beaufort, South Carolina*, November 2008.

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
111 Iris Lane (Formerly 1100 Iris Lane)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs [1]	Results Samples Collected 07/19/07, 03/23/11 and 08/08/15			
		1100 Iris Bottom 01 07/19/07	1100 Iris Side 02 07/19/07	1100 Iris 03/23/11	1100 Iris - 2 08/08/15
Volatile Organic Compounds Analyzed by EPA Method 8260B (mg/kg)					
Benzene	0.003	**ND**	ND	ND	ND
Ethylbenzene	1.15	**ND**	ND	ND	**0.00219**
Naphthalene	0.036	**0.000536**	ND	ND	**0.00653**
Toluene	0.627	**0.000813**	**0.00122**	ND	**0.00712**
Xylenes, Total	13.01	ND	ND	ND	**0.0106**
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (mg/kg)					
Benzo(a)anthracene	0.66	**1.370**	ND	ND	ND
Benzo(b)fluoranthene	0.66	**1.050**	ND	ND	ND
Benzo(k)fluoranthene	0.66	**0.395**	ND	ND	ND
Chrysene	0.66	**1.370**	ND	ND	ND
Dibenz(a,h)anthracene	0.66	**0.0756**	ND	ND	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).

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
Laboratory Analytical Results - Groundwater
111 Iris Lane (Formerly 1100 Iris 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 07/28/08
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	**0.49**
Benzo(b)fluoranthene	10	NA	**0.78**
Benzo(k)fluoranthene	10	NA	**0.77**
Chrysene	10	NA	**0.49**
Dibenz(a,h)anthracene	10	NA	**0.69**

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 $1x10^{-6}$, 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 C.

RBSL - Risk-Based Screening Level

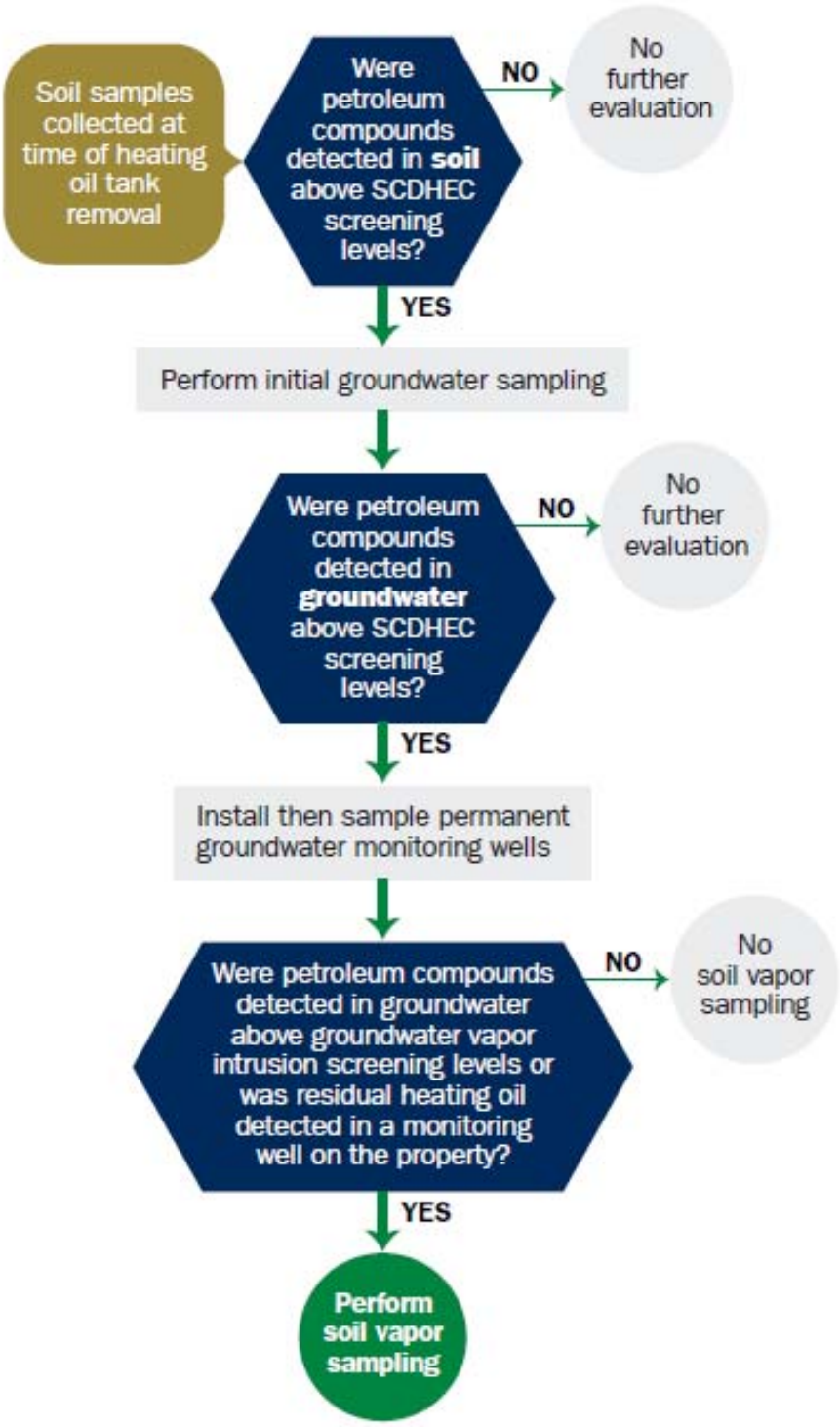
SCDHEC - South Carolina Department Of Health and Environmental Control

µg/L - micrograms per liter

VISL - Vapor Intrusion Screening Level

Appendix A
Multi-Media Selection Process for LBMH

CDM - AECOM
Multimedia Joint Venture



Appendix A - Multi-Media Selection Process for LBMH

Appendix B
UST Assessment Reports

CDM - AECOM
Multimedia Joint Venture

Attachment 1

South Carolina Department of Health and Environmental Control (SCDHEC)

Underground Storage Tank (UST) Assessment Report

Date Received

Submit Completed Form To:
UST Program
SCDHEC
2600 Bull Street
Columbia, South Carolina 29201
Telephone (803) 896-6240

I. OWNERSHIP OF UST (S)

Beaufort Military Complex Family Housing
Owner Name (Corporation, Individual, Public Agency, Other)

1510 Laurel Bay Blvd.
Mailing Address

Beaufort | SC | 29906
City | State | Zip Code

843 | 379-3305 | Kyle Broadfoot
Area Code | Telephone Number | Contact Person

II. SITE IDENTIFICATION AND LOCATION

N/A
Permit I.D. #

Actus Lend Lease Construction
Facility Name or Company Site Identifier

1100 Iris
Street Address or State Road (as applicable)

Beaufort, SC 29906 | Beaufort
City | ZIP | County

Attachment 2

III. INSURANCE INFORMATION

Insurance Statement

The petroleum release reported to DHEC on N/A at Permit ID # 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.

And

I **do/do not** (circle one) wish to participate in the Superb Program.

IV. CERTIFICATION (To be signed by the UST owner/operator.)

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

V. UST INFORMATION

	Tank 1	Tank 2	Tank 3	Tank 4	Tank 5	Tank 6
A. Product...(ex. Gas, Kerosene).....	#2 DIESEL					
B. Capacity..(ex. 1k, 2k)..... (APPROX.)	350g.					
C. Age.....						
D. Construction Material..(ex. Steel, FRP).....	Steel					
E. Month/Year of Last Use.....						
F. Depth (ft.) To Base of Tank.....	66"					
G. Spill Prevention Equipment Y/N.....	N					
H. Overfill Prevention Equipment Y/N.....	N					
I. Method of Closure (Removed/Filled).....	Removed					
J. Date Tanks Removed/Filled.....	7-19-07					
K. Visible Corrosion or Pitting Y/N.....	N					
L. Visible Holes Y/N.....	Y					

M. Method of disposal for any USTs removed from the ground (attach disposal manifests)

Recycling - Scrap Steel

N. Method of disposal for any liquid petroleum, sludges, or wastewaters removed from the USTs (attach disposal manifests)

TREATMENT FACILITY BROADHURST LANDFILL
SOLIDIFICATION + SUBTITLE D LANDFILL

O. If any corrosion, pitting, or holes were observed, describe the location and extent for each UST

SOME SMALL HOLES ALONG THE BOTTOM OF THE TANK.

VI. PIPING INFORMATION

	Tank 1	Tank 2	Tank 3	Tank 4	Tank 5	Tank 6
A. Construction Material..(ex. Steel, FRP).....	Steel					
B. Distance from UST to Dispenser.....	N/A					
C. Number of Dispensers.....	-0-					
D. Type of System Pressure or Suction.....	Electric Pump					
E. Was Piping Removed from the Ground? Y/N	Y					
F. Visible Corrosion or Pitting Y/N.....	N					
G. Visible Holes Y/N.....	N					
H. Age.....						

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

Mild Corrosion on Vent pipe + fill pipe

VII. BRIEF SITE DESCRIPTION AND HISTORY

Home Heating Oil Tank - Residential

VIII. SITE CONDITIONS

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

IX. SAMPLE INFORMATION

A. SCDHEC Lab Certification Number DW: 84009002

B.

Sample #	Location	Sample Type (Soil/Water)	Soil Type (Sand/Clay)	Depth*	Date/Time of Collection	Collected by	OVA #
						ECHEVARRIA	
1	BOTTOM	S	SAND	66"	7-19-07 1050	M. MANNING	ND
2	SIDE	S	SAND	48"	1050	M. MANNING	ND
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

* = Depth Below the Surrounding Land Surface

X. 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.

EPA Method 8260 B Volatile Organic Compounds
- Preservative: 2 ea Sodium Bisulfate 1 ea
EPA Method 8270 Poly Aromatic Hydrocarbons
- No Preservative

One (1) Sidewall and One (1) Bottom Sample were secured from tank excavation Samples were stored and shipped in an insulated cooler w/ ice.

XI. RECEPTORS

	Yes	No
A. Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the UST system? If yes, indicate type of receptor, distance, and direction on site map.		X
B. Are there any public, private, or irrigation water supply wells within 1000 feet of the UST system? If yes, indicate type of well, distance, and direction on site map.		✓
C. Are there any underground structures (e.g., basements) Located within 100 feet of the UST system? If yes, indicate type of structure, distance, and direction on site map.		✓
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? If yes, indicate the type of utility, distance, and direction on the site map.		✓
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? If yes, indicate the area of contaminated soil on the site map.		✓

SUMMARY OF ANALYSIS RESULTS N/A

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

CoC	SB-1	SB-2	SB-3	SB-4	SB-5	SB-6	SB-7	SB-8
Benzene								
Toluene								
Ethylbenzene								
Xylenes								
Naphthalene								
Benzo(a)anthracene								
Benzo(b)flouranthene								
Benzo(k)flouranthene								
Chrysene								
Dibenz(a,h)anthracene								
TPH (EPA 3550)								

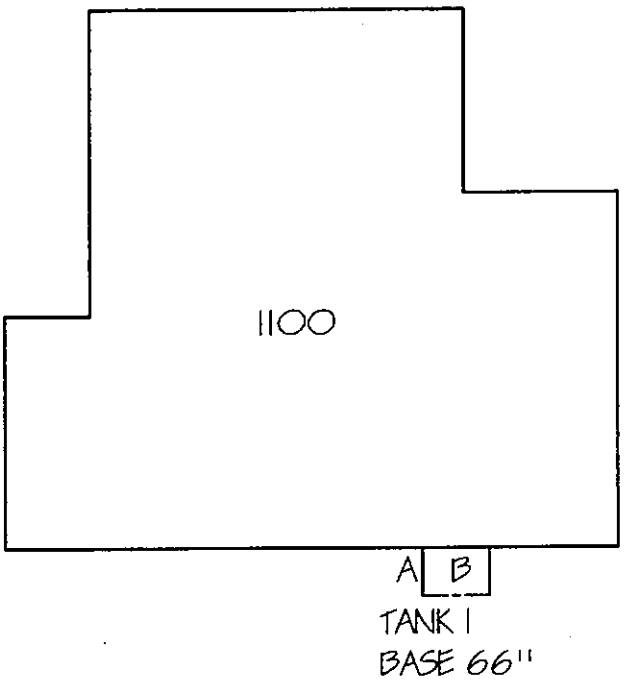
CoC	SB-9	SB-10	SB-11	SB-12	SB-13	SB-14	SB-15	SB-16
Benzene								
Toluene								
Ethylbenzene								
Xylenes								
Naphthalene								
Benzo(a)anthracene								
Benzo(b)flouranthene								
Benzo(k)flouranthene								
Chrysene								
Dibenz(a,h)anthracene								
TPH (EPA 3550)								

SUMMARY OF ANALYSIS RESULTS (cont'd) N/A

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	.05				
Lead	Site specific				

07/19/2007 11:45



IRIS LANE

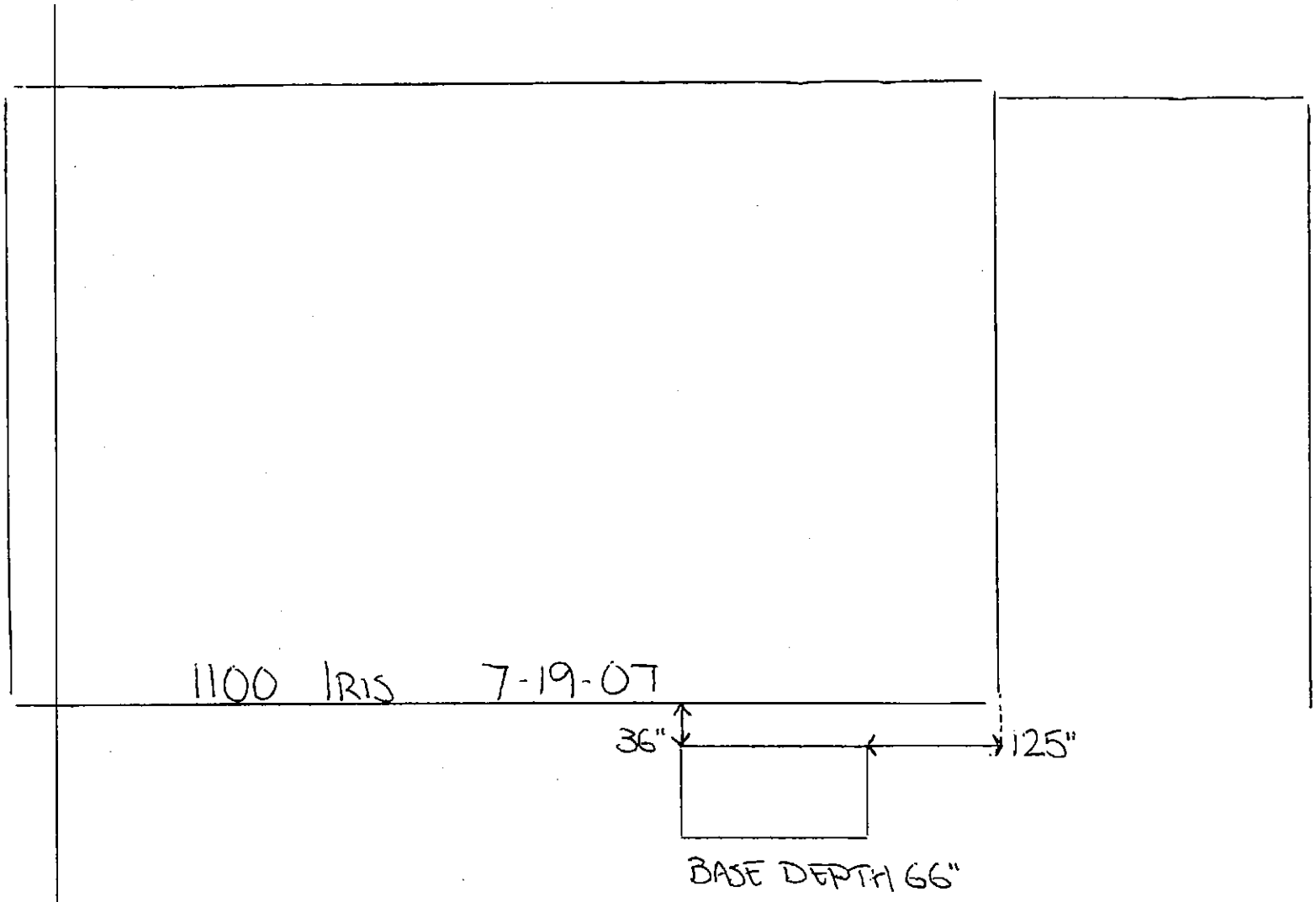
TANK 1 EXCAVATION

A-SOIL TEST SIDE SAMPLE @ 48"

B-SOIL TEST BOTTOM SAMPLE @ 66"

N

CUSTOMER: BEAUFORT MILITARY COMPLEX FAMILY HOUSING	SCALE: 1/16"=1'-0"	EPG INC.
SITE ADDRESS: 1100 IRIS LANE	SUPPLIER: EPG INC.	P.O. BOX 1096
	DATE: 9/22/2007	MOUNT PLEASANT, SC 29465-1096


1100 IRIS 7-19-07
36"
125"
BASE DEPTH 66"

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)

page 1 of 3 OQG0504

TestAmerica
ANALYTICAL TESTING CORPORATION

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

Client Name: EPG   Client #: 2411
Address:
City/State/Zip Code:
Project Manager: JOHN MAHONEY
Telephone Number: Fax:
Sampler Name: (Print Name) CHRIS ECHEVARRIA
Sampler Signature: [signature]

Project Name: LAUREL BAY
Project #: EP 2362
Site/Location ID: State:
Report To:
Invoice To:
Quote #:   PO#:

TAT: X Standard; ___ Rush (surcharges may apply)
Date Needed:
Fax Results: Y N

QC Deliverables: ___ None; X Level 2 (Batch QC); ___ Level 3; ___ Level 4; Other: ______

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix (SL - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify Other)	HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	BTEX + NAPTH 8260	PAH 8270	REMARKS
256 BEECH BOTTOM 01	7-16-07	1020	G							1	2	2	X	X	01
256 BEECH SIDE 02	7-16-07	1030	C							1	2	2	X	X	02
1025 FOXGLOVE BOTTOM 01	7-16-07	1420	G							1	2	2	X	X	03
1025 FOXGLOVE SIDE 02	7-16-07	1430	C							1	2	2	X	X	04
1019 FOXGLOVE BOTTOM 01	7-17-07	800	G							1	2	2	X	X	05
1019 FOXGLOVE SIDE 02	7-17-07	810	C							1	2	2	X	X	06
276 BIRCH BOTTOM 01	7-17-07	1300	G							1	2	2	X	X	07
276 BIRCH SIDE 02	7-17-07	1310	C							1	2	2	X	X	08
1011 FOXGLOVE BOTTOM 01	7-18-07	9.40	G							1	2	2	X	X	09
1011 FOXGLOVE SIDE 02	7-18-07	9.40	C							1	2	2	X	X	10

Special Instructions:

Relinquished By	Date	Time	Received By	Date	Time
Chris Echevarria	7/24/07	0845	[signature]	7/24/07	0845
[signature]	7/24/07	1730	[signature]	7/25	930

LABORATORY COMMENTS:
Init Lab Temp: 2.9
Rec Lab Temp:
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
8623 2591 1596
Method of Shipment: FED EX TO TA-Orlando

UHG0304 page 2 of 3

TestAmerica
ANALYTICAL TESTING CORPORATION

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

Client Name: EPG
Client #: 2411
Address:
City/State/Zip Code:
Project Manager: John Mahoney
Telephone Number: Fax:
Sampler Name: (Print Name) Joseph Horry
Sampler Signature: Joseph Horry

Project Name: Laurel Bay
Project #: EP 2362
Site/Location ID: State:
Report To:
Invoice To:
Quote #: PO#:

TAT
X Standard
___ Rush (surcharges may apply)

Date Needed: ________

Fax Results: Y N

QC Deliverables
___ None
X Level 2 (Batch QC)
___ Level 3
___ Level 4
Other: ________

Matrix: SL - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify Other

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix	HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	BTEX + NAPTH 8260	PAH 8270										REMARKS
1007 Foxglove Bottom 01	7-18-07	1050	G							1	2	2	X	X										11
1007 Foxglove Side 02	7-18-07	1050	C							1	2	2	X	X										12
252 Beech Bottom 01	7-18-07	1340	G							1	2	2	X	X										13
252 Beech Side 02	7-18-07	1340	C							1	2	2	X	X										14
1100 Iris Bottom 01	7-19-07	1050	G							1	2	2	X	X										1[illegible]
1100 Iris Side 02	7-19-07	1050	C							1	2	2	X	X										
1108 Iris Bottom 01	7-19-07	1320	G							1	2	2	X	X										17
1108 Iris Side 02	7-19-07	1330	C							1	2	2	X	X										18
1112 Iris Bottom 01	7-20-07	940	G							1	2	2	X	X										19
1112 Iris Side 02	7-20-07	950	C							1	2	2	X	X										20

Special Instructions:

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Chris Echevarria	7/24/07	0845	[signature]	7/24/07	0845
[signature]	7/24/07	1730	[signature]	7/25	9:30

LABORATORY COMMENTS:
Init Lab Temp: 2
Rec Lab Temp: 9
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
8623 2591 6000
Method of Shipment: FedEx to TA-Orlando

DQ60504 page 3 of 3

TestAmerica
ANALYTICAL TESTING CORPORATION

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

Client Name: EPG Client #: 2411
Address: ____
City/State/Zip Code: ____
Project Manager: JOHN MAHONEY
Telephone Number: ____ Fax: ____
Sampler Name: (Print Name) CHRIS ECHEVARRIA
Sampler Signature: [signature]

Project Name: LAUREL BAY
Project #: EP 2362
Site/Location ID: ____ State: ____
Report To: ____
Invoice To: ____
Quote #: ____ PO#: ____

TAT: X Standard; ___ Rush (surcharges may apply)
Date Needed: ____
Fax Results: Y N

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix: SL - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify Other	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: BTEX + NAPTH	PAH 8270	REMARKS
1035 IRIS BOTTOM 01	7-20-07	1200	G							1	2	2	X	X	21
1035 IRIS SIDE 02	7-20-07	1210	C							1	2	2	X	X	20

QC Deliverables: ___ None; X Level 2 (Batch QC); ___ Level 3; ___ Level 4; Other: ____

Special Instructions:

	Date	Time		Date	Time
Relinquished By: CHRIS ECHEVARRIA	7/24/07	0845	Received By: [signature]	7/24/07	0845
Relinquished By: [signature]	7/24/07	1730	Received By: [signature]	7/25	0830
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

LABORATORY COMMENTS:
Init Lab Temp: 2.9
Rec Lab Temp:
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment: 862325911600 FEDEX to TA-O. [illegible]

Client: EPG, INC.
PO BOX 1096
MT PLEASANT, SC 29465
Attn: JOHN MAHONEY

Work Order: OQG0504
Project: LAUREL BAY
Project Number: EP2362

Sampled: 07/16/07-07/20/07
Received: 07/25/07

LABORATORY REPORT

Sample ID: 252 BEECH SIDE 02 - Lab Number: OQG0504-14 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
Polynuclear Aromatic Hydrocarbons by EPA Method 8270											
83-32-9	Acenaphthene	79.9	U	ug/kg dry	79.9	180	1	07/31/07 03:04	REM	EPA 8270C	7G27018
208-96-8	Acenaphthylene	105	U	ug/kg dry	105	180	1	07/31/07 03:04	REM	EPA 8270C	7G27018
120-12-7	Anthracene	57.5	U	ug/kg dry	57.5	180	1	07/31/07 03:04	REM	EPA 8270C	7G27018
56-55-3	Benzo (a) anthracene	19.5	U	ug/kg dry	19.5	180	1	07/31/07 03:04	REM	EPA 8270C	7G27018
205-99-2	Benzo (b) fluoranthene	19.0	U	ug/kg dry	19.0	180	1	07/31/07 03:04	REM	EPA 8270C	7G27018
207-08-9	Benzo (k) fluoranthene	19.0	U	ug/kg dry	19.0	180	1	07/31/07 03:04	REM	EPA 8270C	7G27018
191-24-2	Benzo (g,h,i) perylene	18.7	U	ug/kg dry	18.7	180	1	07/31/07 03:04	REM	EPA 8270C	7G27018
50-32-8	Benzo (a) pyrene	22.2	U	ug/kg dry	22.2	180	1	07/31/07 03:04	REM	EPA 8270C	7G27018
90-12-0	1-Methylnaphthalene	90.5	U	ug/kg dry	90.5	180	1	07/31/07 03:04	REM	EPA 8270C	7G27018
218-01-9	Chrysene	21.6	U	ug/kg dry	21.6	180	1	07/31/07 03:04	REM	EPA 8270C	7G27018
53-70-3	Dibenz (a,h) anthracene	23.7	U	ug/kg dry	23.7	180	1	07/31/07 03:04	REM	EPA 8270C	7G27018
206-44-0	Fluoranthene	25.9	U	ug/kg dry	25.9	180	1	07/31/07 03:04	REM	EPA 8270C	7G27018
86-73-7	Fluorene	70.6	U	ug/kg dry	70.6	180	1	07/31/07 03:04	REM	EPA 8270C	7G27018
193-39-5	Indeno (1,2,3-cd) pyrene	23.3	U	ug/kg dry	23.3	180	1	07/31/07 03:04	REM	EPA 8270C	7G27018
91-57-6	2-Methylnaphthalene	76.9	U	ug/kg dry	76.9	180	1	07/31/07 03:04	REM	EPA 8270C	7G27018
91-20-3	Naphthalene	72.4	U	ug/kg dry	72.4	180	1	07/31/07 03:04	REM	EPA 8270C	7G27018
85-01-8	Phenanthrene	42.5	U	ug/kg dry	42.5	180	1	07/31/07 03:04	REM	EPA 8270C	7G27018
129-00-0	Pyrene	36.6	U	ug/kg dry	36.6	180	1	07/31/07 03:04	REM	EPA 8270C	7G27018
Surrogate: 2-Fluorobiphenyl (24-121%)		*55 %*									
Surrogate: Nitrobenzene-d5 (19-111%)		*54 %*									
Surrogate: Terphenyl-d14 (44-171%)		*100 %*									

LABORATORY REPORT

Sample ID: 1100 IRIS BOTTOM 01 - Lab Number: OQG0504-15 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
NA	% Solids	**80.3**		%.	0.100	0.100	1	07/26/07 17:40	RRP	EPA 160.3	7G26056
Volatile Organic Compounds by EPA Method 8260B											
71-43-2	Benzene	0.317	U	ug/kg dry	0.317	0.865	1	08/02/07 18:33	JWT	EPA 8260B	7H03001
100-41-4	Ethylbenzene	0.366	U	ug/kg dry	0.366	0.865	1	08/02/07 18:33	JWT	EPA 8260B	7H03001
91-20-3	Naphthalene	**0.536**	I	ug/kg dry	0.478	0.865	1	08/02/07 18:33	JWT	EPA 8260B	7H03001
108-88-3	Toluene	**0.813**	I	ug/kg dry	0.747	0.865	1	08/02/07 18:33	JWT	EPA 8260B	7H03001
330-20-7	Xylenes, total	0.449	U	ug/kg dry	0.449	0.865	1	08/02/07 18:33	JWT	EPA 8260B	7H03001
Surrogate: 1,2-Dichloroethane-d4 (73-137%)		*117 %*									
Surrogate: 4-Bromofluorobenzene (59-118%)		*104 %*									
Surrogate: Dibromofluoromethane (55-145%)		*107 %*									
Surrogate: Toluene-d8 (80-117%)		*103 %*									
Polynuclear Aromatic Hydrocarbons by EPA Method 8270											
83-32-9	Acenaphthene	92.2	U	ug/kg dry	92.2	208	1	07/31/07 03:26	REM	EPA 8270C	7G27018
208-96-8	Acenaphthylene	122	U	ug/kg dry	122	208	1	07/31/07 03:26	REM	EPA 8270C	7G27018
120-12-7	Anthracene	**88.8**	I	ug/kg dry	66.3	208	1	07/31/07 03:26	REM	EPA 8270C	7G27018
56-55-3	Benzo (a) anthracene	**1370**		ug/kg dry	22.5	208	1	07/31/07 03:26	REM	EPA 8270C	7G27018

Client: EPG, INC.
PO BOX 1096
MT PLEASANT, SC 29465
Attn: JOHN MAHONEY

Work Order: OQG0504
Project: LAUREL BAY
Project Number: EP2362

Sampled: 07/16/07-07/20/07
Received: 07/25/07

LABORATORY REPORT
Sample ID: 1100 IRIS BOTTOM 01 - Lab Number: OQG0504-15 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
Polynuclear Aromatic Hydrocarbons by EPA Method 8270 - Cont.											
205-99-2	**Benzo (b) fluoranthene**	**1050**		ug/kg dry	21.9	208	1	07/31/07 03:26	REM	EPA 8270C	7G27018
207-08-9	**Benzo (k) fluoranthene**	**395**		ug/kg dry	21.9	208	1	07/31/07 03:26	REM	EPA 8270C	7G27018
191-24-2	**Benzo (g,h,i) perylene**	**179**	I	ug/kg dry	21.6	208	1	07/31/07 03:26	REM	EPA 8270C	7G27018
50-32-8	**Benzo (a) pyrene**	**562**		ug/kg dry	25.6	208	1	07/31/07 03:26	REM	EPA 8270C	7G27018
90-12-0	1-Methylnaphthalene	104	U	ug/kg dry	104	208	1	07/31/07 03:26	REM	EPA 8270C	7G27018
218-01-9	**Chrysene**	**1370**		ug/kg dry	24.9	208	1	07/31/07 03:26	REM	EPA 8270C	7G27018
53-70-3	**Dibenz (a,h) anthracene**	**75.6**	I	ug/kg dry	27.3	208	1	07/31/07 03:26	REM	EPA 8270C	7G27018
206-44-0	**Fluoranthene**	**1920**		ug/kg dry	29.9	208	1	07/31/07 03:26	REM	EPA 8270C	7G27018
86-73-7	Fluorene	81.4	U	ug/kg dry	81.4	208	1	07/31/07 03:26	REM	EPA 8270C	7G27018
193-39-5	**Indeno (1,2,3-cd) pyrene**	**195**	I	ug/kg dry	26.9	208	1	07/31/07 03:26	REM	EPA 8270C	7G27018
91-57-6	2-Methylnaphthalene	88.7	U	ug/kg dry	88.7	208	1	07/31/07 03:26	REM	EPA 8270C	7G27018
91-20-3	Naphthalene	83.5	U	ug/kg dry	83.5	208	1	07/31/07 03:26	REM	EPA 8270C	7G27018
85-01-8	**Phenanthrene**	**263**		ug/kg dry	49.1	208	1	07/31/07 03:26	REM	EPA 8270C	7G27018
129-00-0	**Pyrene**	**1530**		ug/kg dry	42.3	208	1	07/31/07 03:26	REM	EPA 8270C	7G27018
Surrogate: 2-Fluorobiphenyl (24-121%)		*65 %*									
Surrogate: Nitrobenzene-d5 (19-111%)		*63 %*									
Surrogate: Terphenyl-d14 (44-171%)		*123 %*									

LABORATORY REPORT
Sample ID: 1100 IRIS SIDE 02 - Lab Number: OQG0504-16 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
NA	**% Solids**	**80.2**		%.	0.100	0.100	1	07/26/07 17:40	RRP	EPA 160.3	7G26056
Volatile Organic Compounds by EPA Method 8260B											
71-43-2	Benzene	0.228	U	ug/kg dry	0.228	0.622	1	08/02/07 18:50	JWT	EPA 8260B	7H03001
100-41-4	Ethylbenzene	0.263	U	ug/kg dry	0.263	0.622	1	08/02/07 18:50	JWT	EPA 8260B	7H03001
91-20-3	Naphthalene	0.344	U	ug/kg dry	0.344	0.622	1	08/02/07 18:50	JWT	EPA 8260B	7H03001
108-88-3	**Toluene**	**1.22**		ug/kg dry	0.537	0.622	1	08/02/07 18:50	JWT	EPA 8260B	7H03001
330-20-7	Xylenes, total	0.323	U	ug/kg dry	0.323	0.622	1	08/02/07 18:50	JWT	EPA 8260B	7H03001
Surrogate: 1,2-Dichloroethane-d4 (73-137%)		*120 %*									
Surrogate: 4-Bromofluorobenzene (59-118%)		*100 %*									
Surrogate: Dibromofluoromethane (55-145%)		*108 %*									
Surrogate: Toluene-d8 (80-117%)		*101 %*									
Polynuclear Aromatic Hydrocarbons by EPA Method 8270											
83-32-9	Acenaphthene	92.3	U	ug/kg dry	92.3	208	1	07/31/07 03:49	REM	EPA 8270C	7G27018
208-96-8	Acenaphthylene	122	U	ug/kg dry	122	208	1	07/31/07 03:49	REM	EPA 8270C	7G27018
120-12-7	Anthracene	66.4	U	ug/kg dry	66.4	208	1	07/31/07 03:49	REM	EPA 8270C	7G27018
56-55-3	Benzo (a) anthracene	22.5	U	ug/kg dry	22.5	208	1	07/31/07 03:49	REM	EPA 8270C	7G27018
205-99-2	Benzo (b) fluoranthene	21.9	U	ug/kg dry	21.9	208	1	07/31/07 03:49	REM	EPA 8270C	7G27018
207-08-9	Benzo (k) fluoranthene	21.9	U	ug/kg dry	21.9	208	1	07/31/07 03:49	REM	EPA 8270C	7G27018
191-24-2	Benzo (g,h,i) perylene	21.6	U	ug/kg dry	21.6	208	1	07/31/07 03:49	REM	EPA 8270C	7G27018
50-32-8	Benzo (a) pyrene	25.6	U	ug/kg dry	25.6	208	1	07/31/07 03:49	REM	EPA 8270C	7G27018

Client: EPG, INC.
PO BOX 1096
MT PLEASANT, SC 29465
Attn: JOHN MAHONEY

Work Order: OQG0504
Project: LAUREL BAY
Project Number: EP2362

Sampled: 07/16/07-07/20/07
Received: 07/25/07

LABORATORY REPORT
Sample ID: 1100 IRIS SIDE 02 - Lab Number: OQG0504-16 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
Polynuclear Aromatic Hydrocarbons by EPA Method 8270 - Cont.											
90-12-0	1-Methylnaphthalene	105	U	ug/kg dry	105	208	1	07/31/07 03:49	REM	EPA 8270C	7G27018
218-01-9	Chrysene	24.9	U	ug/kg dry	24.9	208	1	07/31/07 03:49	REM	EPA 8270C	7G27018
53-70-3	Dibenz (a,h) anthracene	27.3	U	ug/kg dry	27.3	208	1	07/31/07 03:49	REM	EPA 8270C	7G27018
206-44-0	Fluoranthene	30.0	U	ug/kg dry	30.0	208	1	07/31/07 03:49	REM	EPA 8270C	7G27018
86-73-7	Fluorene	81.5	U	ug/kg dry	81.5	208	1	07/31/07 03:49	REM	EPA 8270C	7G27018
193-39-5	Indeno (1,2,3-cd) pyrene	27.0	U	ug/kg dry	27.0	208	1	07/31/07 03:49	REM	EPA 8270C	7G27018
91-57-6	2-Methylnaphthalene	88.8	U	ug/kg dry	88.8	208	1	07/31/07 03:49	REM	EPA 8270C	7G27018
91-20-3	Naphthalene	83.6	U	ug/kg dry	83.6	208	1	07/31/07 03:49	REM	EPA 8270C	7G27018
85-01-8	Phenanthrene	49.1	U	ug/kg dry	49.1	208	1	07/31/07 03:49	REM	EPA 8270C	7G27018
129-00-0	Pyrene	42.3	U	ug/kg dry	42.3	208	1	07/31/07 03:49	REM	EPA 8270C	7G27018
Surrogate: 2-Fluorobiphenyl (24-121%)		*66 %*									
Surrogate: Nitrobenzene-d5 (19-111%)		*62 %*									
Surrogate: Terphenyl-d14 (44-171%)		*122 %*									

LABORATORY REPORT
Sample ID: 1108 IRIS BOTTOM 01 - Lab Number: OQG0504-17 - Matrix: Solid/Soil

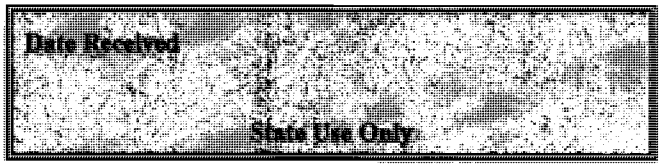
CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
NA	% Solids	**93.2**		%.	0.100	0.100	1	07/26/07 17:40	RRP	EPA 160.3	7G26056
Volatile Organic Compounds by EPA Method 8260B											
71-43-2	Benzene	0.123	U	ug/kg dry	0.123	0.337	1	08/02/07 19:07	JWT	EPA 8260B	7H03001
100-41-4	**Ethylbenzene**	**0.155**	I	ug/kg dry	0.142	0.337	1	08/02/07 19:07	JWT	EPA 8260B	7H03001
91-20-3	**Naphthalene**	**0.519**	J4	ug/kg dry	0.186	0.337	1	08/02/07 19:07	JWT	EPA 8260B	7H03001
108-88-3	**Toluene**	**0.579**		ug/kg dry	0.291	0.337	1	08/02/07 19:07	JWT	EPA 8260B	7H03001
1330-20-7	**Xylenes, total**	**0.303**	I	ug/kg dry	0.175	0.337	1	08/02/07 19:07	JWT	EPA 8260B	7H03001
Surrogate: 1,2-Dichloroethane-d4 (73-137%)		*120 %*									
Surrogate: 4-Bromofluorobenzene (59-118%)		*96 %*									
Surrogate: Dibromofluoromethane (55-145%)		*108 %*									
Surrogate: Toluene-d8 (80-117%)		*98 %*									
Polynuclear Aromatic Hydrocarbons by EPA Method 8270											
83-32-9	Acenaphthene	79.4	U	ug/kg dry	79.4	179	1	07/31/07 04:11	REM	EPA 8270C	7G27018
208-96-8	Acenaphthylene	105	U	ug/kg dry	105	179	1	07/31/07 04:11	REM	EPA 8270C	7G27018
120-12-7	**Anthracene**	**251**		ug/kg dry	57.2	179	1	07/31/07 04:11	REM	EPA 8270C	7G27018
56-55-3	**Benzo (a) anthracene**	**3470**		ug/kg dry	19.4	179	1	07/31/07 04:11	REM	EPA 8270C	7G27018
205-99-2	**Benzo (b) fluoranthene**	**2950**		ug/kg dry	18.9	179	1	07/31/07 04:11	REM	EPA 8270C	7G27018
207-08-9	**Benzo (k) fluoranthene**	**1090**		ug/kg dry	18.9	179	1	07/31/07 04:11	REM	EPA 8270C	7G27018
191-24-2	**Benzo (g,h,i) perylene**	**657**		ug/kg dry	18.6	179	1	07/31/07 04:11	REM	EPA 8270C	7G27018
50-32-8	**Benzo (a) pyrene**	**1760**		ug/kg dry	22.1	179	1	07/31/07 04:11	REM	EPA 8270C	7G27018
90-12-0	1-Methylnaphthalene	90.0	U	ug/kg dry	90.0	179	1	07/31/07 04:11	REM	EPA 8270C	7G27018
218-01-9	**Chrysene**	**4230**		ug/kg dry	21.4	179	1	07/31/07 04:11	REM	EPA 8270C	7G27018
53-70-3	**Dibenz (a,h) anthracene**	**198**		ug/kg dry	23.5	179	1	07/31/07 04:11	REM	EPA 8270C	7G27018
206-44-0	**Fluoranthene**	**5500**		ug/kg dry	25.8	179	1	07/31/07 04:11	REM	EPA 8270C	7G27018

rec'd 6-23-11

Attachment 1

South Carolina Department of Health and Environmental Control (SCDHEC)

Underground Storage Tank (UST) Assessment Report



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

1100 Iris 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

1100Iris				
Heating oil				
280 gal				
Late 1950s				
Steel				
Mid 1980s				
5'				
No				
No				
Removed				
3/23/2011				
Yes				
Yes				

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.....

M. Method of disposal for any USTs removed from the ground (attach disposal manifests)
UST 1100Iris 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)
UST 1100Iris 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 throughout the tank.

VII. PIPING INFORMATION

1100Iris				
Steel & Copper				
N/A				
N/A				
Suction				
No				
Yes				
No				
Late 1950s				

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.

Corrosion and pitting were found on the surface of the steel vent pipe. The copper supply and return lines were sound.

VIII. BRIEF SITE DESCRIPTION AND HISTORY

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

IX. SITE CONDITIONS

	Yes	No	Unk
A. Were any petroleum-stained or contaminated soils found in the UST excavation, soil borings, trenches, or monitoring wells? If yes, indicate depth and location on the site map.		X	
B. Were any petroleum odors detected in the excavation, soil borings, trenches, or monitoring wells? If yes, indicate location on site map and describe the odor (strong, mild, etc.)		X	
C. Was water present in the UST excavation, soil borings, or trenches? If yes, how far below land surface (indicate location and depth)?		X	
D. Did contaminated soils remain stockpiled on site after closure? If yes, indicate the stockpile location on the site map. Name of DHEC representative authorizing soil removal:		X	
E. Was a petroleum sheen or free product detected on any excavation or boring waters? If yes, indicate location and thickness.		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 #
1100Iris	Excav at fill end	Soil	Sandy	5'	3/23/11 1515 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.

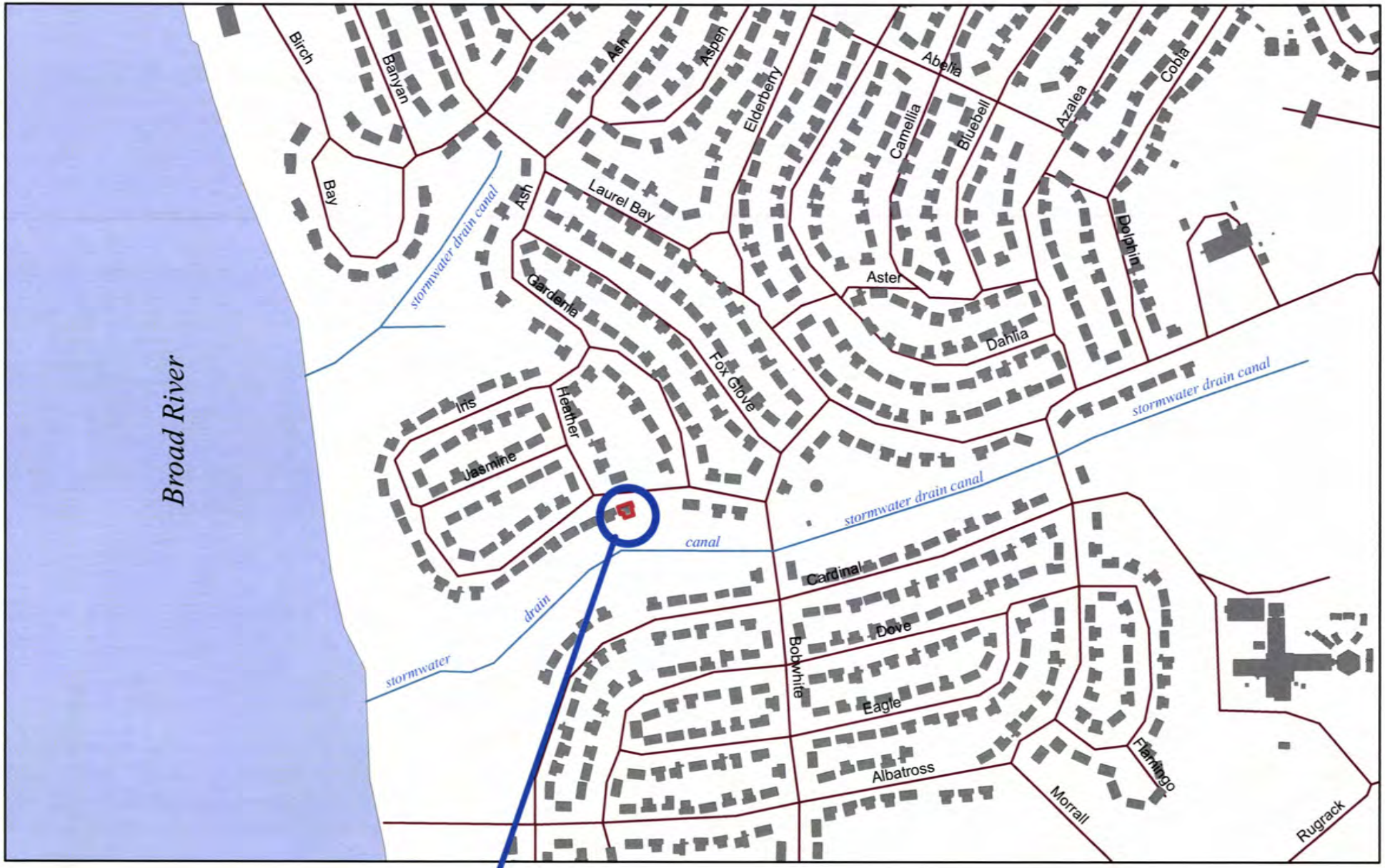
XII. RECEPTORS

		Yes	No
A.	Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the UST system? *~120' to stormwater canal If yes, indicate type of receptor, distance, and direction on site map.	*X	
B.	Are there any public, private, or irrigation water supply wells within 1000 feet of the UST system? If yes, indicate type of well, distance, and direction on site map.		X
C.	Are there any underground structures (e.g., basements) Located within 100 feet of the UST system? If yes, indicate type of structure, distance, and direction on site map.		X
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? *Sewer, water, electricity, cable & fiber optic If yes, indicate the type of utility, distance, and direction on the site map.	*X	
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? If yes, indicate the area of contaminated soil on the site map.		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)

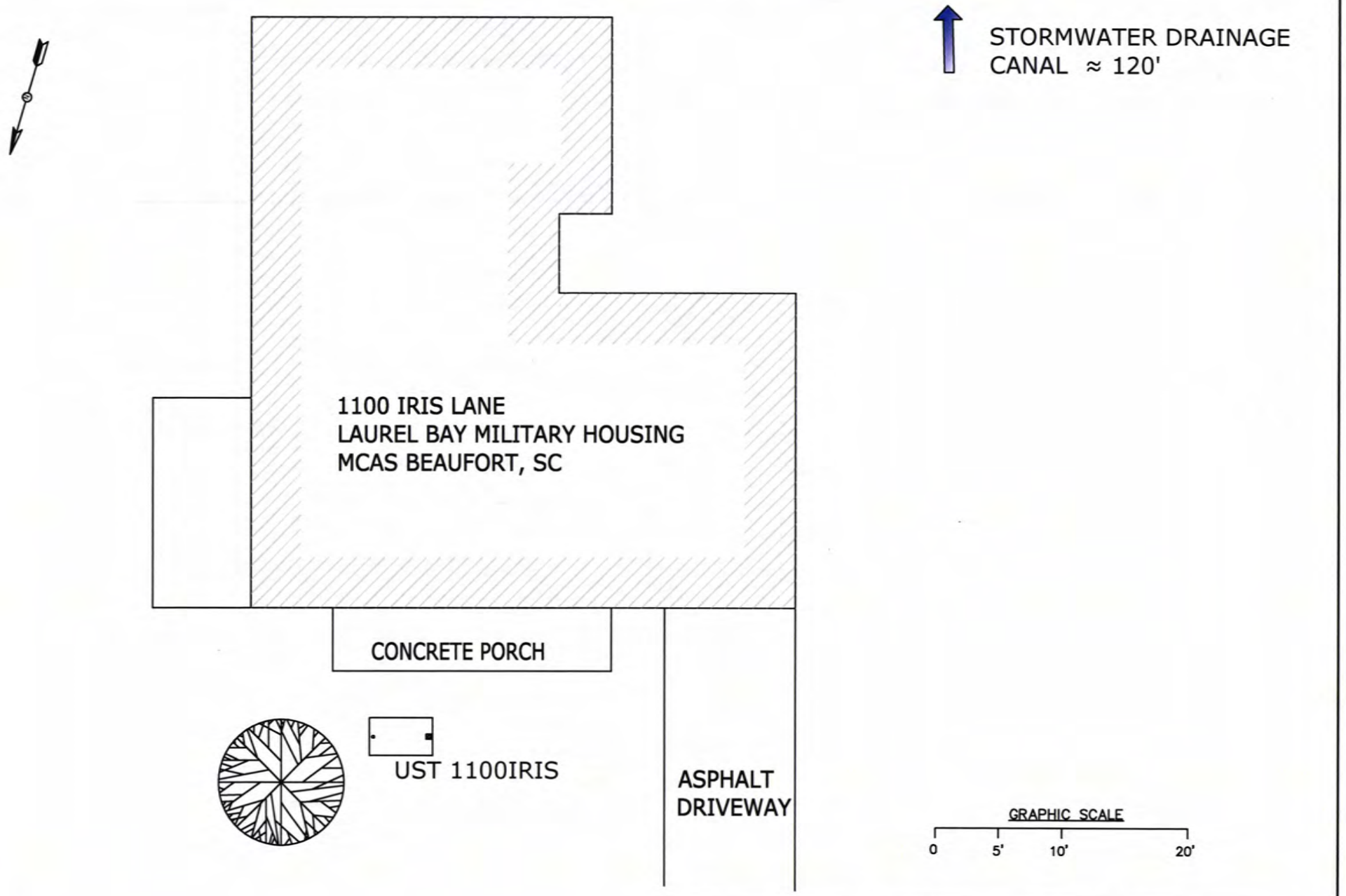


SBG-EEG, Inc.
398 E. 5th North Street, Suite C
Summerville SC 29483-6954
Ph. (843) 875-1930

Drawn By: L. DiAsio

Dwg Date: APR 2011

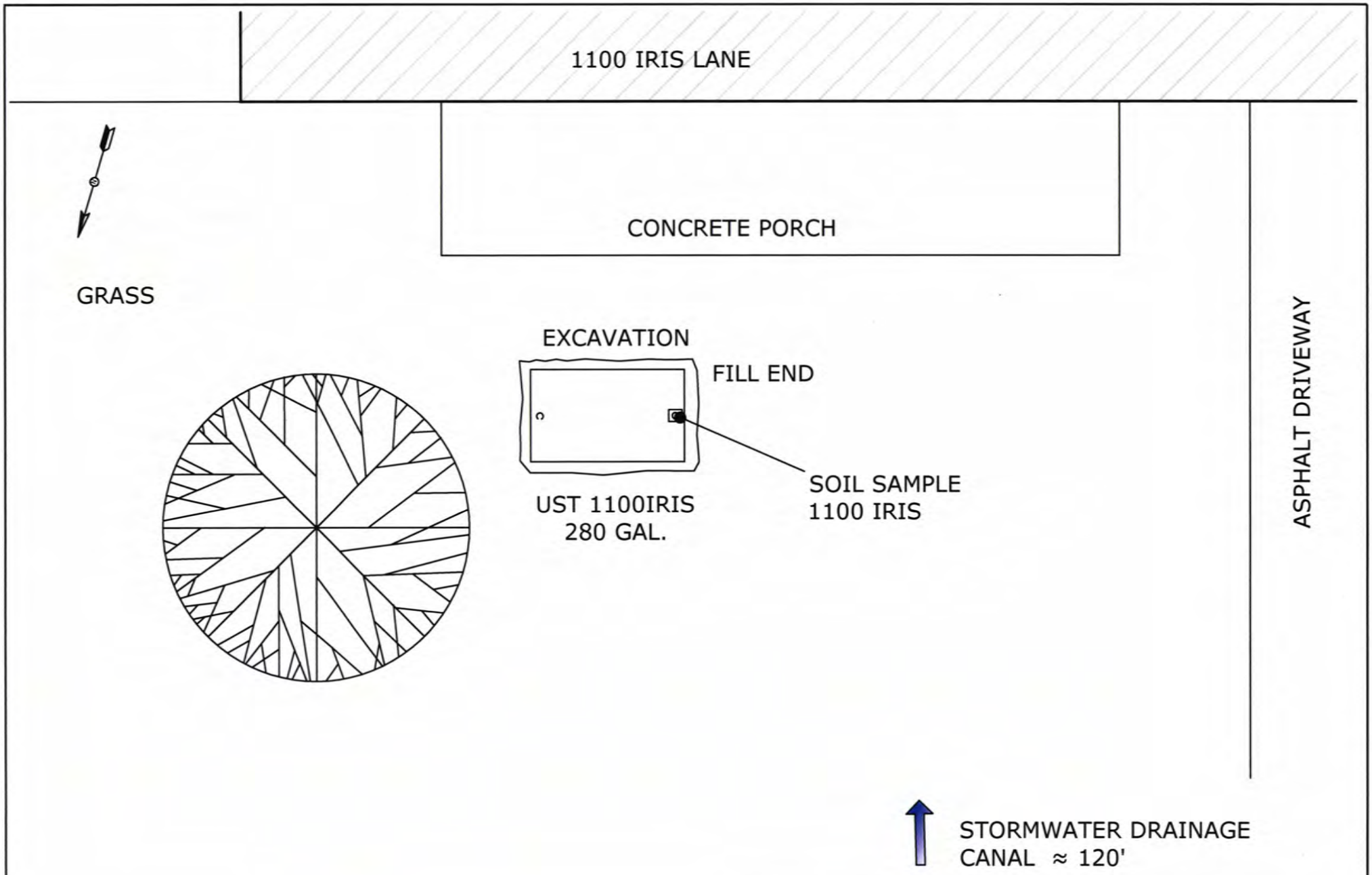
FIGURE 1: LOCATION MAP
1100 IRIS LANE
LAUREL BAY, BEAUFORT SC



SBG-EEG
10179 HWY 78
LADSON, SC 29456
ph. (843) 879-0400

FIGURE 2 SITE MAP
1100 IRIS LANE, LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC | DWG DATE APR 2011



UST 1100IRIS WAS
24" BELOW GRADE.

SBG-EEG
10179 HWY 78
LADSON, SC 29456
ph. (843) 879-0400

FIGURE 3 UST SAMPLE LOCATIONS
1100 IRIS LANE, LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC | DWG DATE APR 2011

Picture 1: Location of UST 1100Iris.

Picture 2: UST 1100Iris tank location after 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	1100Iris						
Benzene	ND						
Toluene	ND						
Ethylbenzene	ND						
Xylenes	ND						
Naphthalene	ND						
Benzo (a) anthracene	ND						
Benzo (b) fluoranthene	ND						
Benzo (k) fluoranthene	ND						
Chrysene	ND						
Dibenz (a, h) anthracene	ND						
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)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

April 11, 2011 10:57:29AM

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

Work Order: NUC4497
Project Name: Laurel Bay Housing Project
Project Nbr: [none]
P/O Nbr: 1027
Date Received: 03/26/11

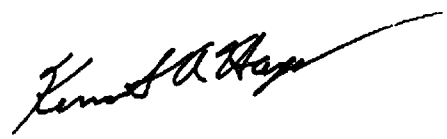
SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
1010 Foxglove	NUC4497-01	03/21/11 14:15
1071 Heather	NUC4497-02	03/22/11 09:45
1068 Gardenia	NUC4497-03	03/22/11 15:00
1039 Iris	NUC4497-04	03/23/11 10:45
1100 Iris	NUC4497-05	03/23/11 15:15
1101 Iris	NUC4497-06	03/24/11 11:15
1105 Iris	NUC4497-07	03/24/11 16:00

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.

South Carolina Certification Number: 84009

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

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:



Ken A. Hayes

Senior Project Manager

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUC4497
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	03/26/11 08:25

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NUC4497-01 (1010 Foxglove - Soil) Sampled: 03/21/11 14:15										
General Chemistry Parameters										
% Dry Solids	**94.0**		%	0.500	0.500	1	04/06/11 12:29	SW-846	AMS	11D0901
Volatile Organic Compounds by EPA Method 8260B										
Benzene	ND		mg/kg dry	0.00127	0.00231	1	03/30/11 17:26	SW846 8260B	MJH/H	11C5756
Ethylbenzene	ND		mg/kg dry	0.00113	0.00231	1	03/30/11 17:26	SW846 8260B	MJH/H	11C5756
Naphthalene	ND		mg/kg dry	0.00197	0.00578	1	03/30/11 17:26	SW846 8260B	MJH/H	11C5756
Toluene	ND		mg/kg dry	0.00103	0.00231	1	03/30/11 17:26	SW846 8260B	MJH/H	11C5756
Xylenes, total	ND		mg/kg dry	0.00220	0.00578	1	03/30/11 17:26	SW846 8260B	MJH/H	11C5756
Surr: 1,2-Dichloroethane-d4 (67-138%)	*110 %*					*1*	*03/30/11 17:26*	*SW846 8260B*	*MJH/H*	*11C5756*
Surr: Dibromofluoromethane (75-125%)	*103 %*					*1*	*03/30/11 17:26*	*SW846 8260B*	*MJH/H*	*11C5756*
Surr: Toluene-d8 (76-129%)	*92 %*					*1*	*03/30/11 17:26*	*SW846 8260B*	*MJH/H*	*11C5756*
Surr: 4-Bromofluorobenzene (67-147%)	*100 %*					*1*	*03/30/11 17:26*	*SW846 8260B*	*MJH/H*	*11C5756*
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0147	0.0702	1	03/30/11 15:33	SW846 8270D	AJK	11C6845
Acenaphthylene	ND		mg/kg dry	0.0210	0.0702	1	03/30/11 15:33	SW846 8270D	AJK	11C6845
Anthracene	ND		mg/kg dry	0.00944	0.0702	1	03/30/11 15:33	SW846 8270D	AJK	11C6845
Benzo (a) anthracene	ND		mg/kg dry	0.0115	0.0702	1	03/30/11 15:33	SW846 8270D	AJK	11C6845
Benzo (a) pyrene	ND		mg/kg dry	0.00839	0.0702	1	03/30/11 15:33	SW846 8270D	AJK	11C6845
Benzo (b) fluoranthene	ND		mg/kg dry	0.0398	0.0702	1	03/30/11 15:33	SW846 8270D	AJK	11C6845
Benzo (g,h,i) perylene	ND		mg/kg dry	0.00944	0.0702	1	03/30/11 15:33	SW846 8270D	AJK	11C6845
Benzo (k) fluoranthene	ND		mg/kg dry	0.0388	0.0702	1	03/30/11 15:33	SW846 8270D	AJK	11C6845
Chrysene	ND		mg/kg dry	0.0325	0.0702	1	03/30/11 15:33	SW846 8270D	AJK	11C6845
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0157	0.0702	1	03/30/11 15:33	SW846 8270D	AJK	11C6845
Fluoranthene	ND		mg/kg dry	0.0115	0.0702	1	03/30/11 15:33	SW846 8270D	AJK	11C6845
Fluorene	ND		mg/kg dry	0.0210	0.0702	1	03/30/11 15:33	SW846 8270D	AJK	11C6845
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0325	0.0702	1	03/30/11 15:33	SW846 8270D	AJK	11C6845
Naphthalene	ND		mg/kg dry	0.0147	0.0702	1	03/30/11 15:33	SW846 8270D	AJK	11C6845
Phenanthrene	ND		mg/kg dry	0.0105	0.0702	1	03/30/11 15:33	SW846 8270D	AJK	11C6845
Pyrene	ND		mg/kg dry	0.0241	0.0702	1	03/30/11 15:33	SW846 8270D	AJK	11C6845
1-Methylnaphthalene	ND		mg/kg dry	0.0126	0.0702	1	03/30/11 15:33	SW846 8270D	AJK	11C6845
2-Methylnaphthalene	ND		mg/kg dry	0.0220	0.0702	1	03/30/11 15:33	SW846 8270D	AJK	11C6845
Surr: Terphenyl-d14 (18-120%)	*55 %*					*1*	*03/30/11 15:33*	*SW846 8270D*	*AJK*	*11C6845*
Surr: 2-Fluorobiphenyl (14-120%)	*48 %*					*1*	*03/30/11 15:33*	*SW846 8270D*	*AJK*	*11C6845*
Surr: Nitrobenzene-d5 (17-120%)	*47 %*					*1*	*03/30/11 15:33*	*SW846 8270D*	*AJK*	*11C6845*

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUC4497
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	03/26/11 08:25

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NUC4497-02 (1071 Heather - Soil) Sampled: 03/22/11 09:45										
General Chemistry Parameters										
% Dry Solids	**84.0**		%	0.500	0.500	1	04/06/11 12:29	SW-846	AMS	11D0901
Volatile Organic Compounds by EPA Method 8260B										
Benzene	ND		mg/kg dry	0.00106	0.00193	1	03/30/11 17:56	SW846 8260B	MJH/H	11C5756
Ethylbenzene	ND		mg/kg dry	0.000947	0.00193	1	03/30/11 17:56	SW846 8260B	MJH/H	11C5756
Naphthalene	ND		mg/kg dry	0.00164	0.00483	1	03/30/11 17:56	SW846 8260B	MJH/H	11C5756
Toluene	ND		mg/kg dry	0.000860	0.00193	1	03/30/11 17:56	SW846 8260B	MJH/H	11C5756
Xylenes, total	ND		mg/kg dry	0.00184	0.00483	1	03/30/11 17:56	SW846 8260B	MJH/H	11C5756
Surr: 1,2-Dichloroethane-d4 (67-138%)	*109 %*					*1*	*03/30/11 17:56*	*SW846 8260B*	*MJH/H*	*11C5756*
Surr: Dibromofluoromethane (75-125%)	*100 %*					*1*	*03/30/11 17:56*	*SW846 8260B*	*MJH/H*	*11C5756*
Surr: Toluene-d8 (76-129%)	*94 %*					*1*	*03/30/11 17:56*	*SW846 8260B*	*MJH/H*	*11C5756*
Surr: 4-Bromofluorobenzene (67-147%)	*104 %*					*1*	*03/30/11 17:56*	*SW846 8260B*	*MJH/H*	*11C5756*
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0162	0.0775	1	03/30/11 15:52	SW846 8270D	AJK	11C6845
Acenaphthylene	ND		mg/kg dry	0.0231	0.0775	1	03/30/11 15:52	SW846 8270D	AJK	11C6845
Anthracene	ND		mg/kg dry	0.0104	0.0775	1	03/30/11 15:52	SW846 8270D	AJK	11C6845
Benzo (a) anthracene	ND		mg/kg dry	0.0127	0.0775	1	03/30/11 15:52	SW846 8270D	AJK	11C6845
Benzo (a) pyrene	ND		mg/kg dry	0.00926	0.0775	1	03/30/11 15:52	SW846 8270D	AJK	11C6845
Benzo (b) fluoranthene	ND		mg/kg dry	0.0440	0.0775	1	03/30/11 15:52	SW846 8270D	AJK	11C6845
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0104	0.0775	1	03/30/11 15:52	SW846 8270D	AJK	11C6845
Benzo (k) fluoranthene	ND		mg/kg dry	0.0428	0.0775	1	03/30/11 15:52	SW846 8270D	AJK	11C6845
Chrysene	ND		mg/kg dry	0.0359	0.0775	1	03/30/11 15:52	SW846 8270D	AJK	11C6845
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0174	0.0775	1	03/30/11 15:52	SW846 8270D	AJK	11C6845
Fluoranthene	ND		mg/kg dry	0.0127	0.0775	1	03/30/11 15:52	SW846 8270D	AJK	11C6845
Fluorene	ND		mg/kg dry	0.0231	0.0775	1	03/30/11 15:52	SW846 8270D	AJK	11C6845
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0359	0.0775	1	03/30/11 15:52	SW846 8270D	AJK	11C6845
Naphthalene	ND		mg/kg dry	0.0162	0.0775	1	03/30/11 15:52	SW846 8270D	AJK	11C6845
Phenanthrene	ND		mg/kg dry	0.0116	0.0775	1	03/30/11 15:52	SW846 8270D	AJK	11C6845
Pyrene	ND		mg/kg dry	0.0266	0.0775	1	03/30/11 15:52	SW846 8270D	AJK	11C6845
1-Methylnaphthalene	ND		mg/kg dry	0.0139	0.0775	1	03/30/11 15:52	SW846 8270D	AJK	11C6845
2-Methylnaphthalene	ND		mg/kg dry	0.0243	0.0775	1	03/30/11 15:52	SW846 8270D	AJK	11C6845
Surr: Terphenyl-d14 (18-120%)	*53 %*					*1*	*03/30/11 15:52*	*SW846 8270D*	*AJK*	*11C6845*
Surr: 2-Fluorobiphenyl (14-120%)	*51 %*					*1*	*03/30/11 15:52*	*SW846 8270D*	*AJK*	*11C6845*
Surr: Nitrobenzene-d5 (17-120%)	*48 %*					*1*	*03/30/11 15:52*	*SW846 8270D*	*AJK*	*11C6845*

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUC4497
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	03/26/11 08:25

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NUC4497-03 (1068 Gardenia - Soil) Sampled: 03/22/11 15:00										
General Chemistry Parameters										
% Dry Solids	**83.2**		%	0.500	0.500	1	04/06/11 12:29	SW-846	AMS	11D0901
Volatile Organic Compounds by EPA Method 8260B										
Benzene	ND		mg/kg dry	0.00114	0.00208	1	03/30/11 18:25	SW846 8260B	MJH/H	11C5756
Ethylbenzene	ND		mg/kg dry	0.00102	0.00208	1	03/30/11 18:25	SW846 8260B	MJH/H	11C5756
Naphthalene	ND		mg/kg dry	0.00177	0.00520	1	03/30/11 18:25	SW846 8260B	MJH/H	11C5756
Toluene	ND		mg/kg dry	0.000926	0.00208	1	03/30/11 18:25	SW846 8260B	MJH/H	11C5756
Xylenes, total	ND		mg/kg dry	0.00198	0.00520	1	03/30/11 18:25	SW846 8260B	MJH/H	11C5756
Surr: 1,2-Dichloroethane-d4 (67-138%)	*108 %*					*1*	*03/30/11 18:25*	*SW846 8260B*	*MJH/H*	*11C5756*
Surr: Dibromofluoromethane (75-125%)	*102 %*					*1*	*03/30/11 18:25*	*SW846 8260B*	*MJH/H*	*11C5756*
Surr: Toluene-d8 (76-129%)	*96 %*					*1*	*03/30/11 18:25*	*SW846 8260B*	*MJH/H*	*11C5756*
Surr: 4-Bromofluorobenzene (67-147%)	*111 %*					*1*	*03/30/11 18:25*	*SW846 8260B*	*MJH/H*	*11C5756*
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0166	0.0794	1	03/30/11 16:10	SW846 8270D	AJK	11C6845
Acenaphthylene	ND		mg/kg dry	0.0237	0.0794	1	03/30/11 16:10	SW846 8270D	AJK	11C6845
Anthracene	ND		mg/kg dry	0.0107	0.0794	1	03/30/11 16:10	SW846 8270D	AJK	11C6845
Benzo (a) anthracene	ND		mg/kg dry	0.0130	0.0794	1	03/30/11 16:10	SW846 8270D	AJK	11C6845
Benzo (a) pyrene	ND		mg/kg dry	0.00948	0.0794	1	03/30/11 16:10	SW846 8270D	AJK	11C6845
Benzo (b) fluoranthene	ND		mg/kg dry	0.0450	0.0794	1	03/30/11 16:10	SW846 8270D	AJK	11C6845
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0107	0.0794	1	03/30/11 16:10	SW846 8270D	AJK	11C6845
Benzo (k) fluoranthene	ND		mg/kg dry	0.0438	0.0794	1	03/30/11 16:10	SW846 8270D	AJK	11C6845
Chrysene	ND		mg/kg dry	0.0367	0.0794	1	03/30/11 16:10	SW846 8270D	AJK	11C6845
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0178	0.0794	1	03/30/11 16:10	SW846 8270D	AJK	11C6845
Fluoranthene	ND		mg/kg dry	0.0130	0.0794	1	03/30/11 16:10	SW846 8270D	AJK	11C6845
Fluorene	ND		mg/kg dry	0.0237	0.0794	1	03/30/11 16:10	SW846 8270D	AJK	11C6845
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0367	0.0794	1	03/30/11 16:10	SW846 8270D	AJK	11C6845
Naphthalene	ND		mg/kg dry	0.0166	0.0794	1	03/30/11 16:10	SW846 8270D	AJK	11C6845
Phenanthrene	ND		mg/kg dry	0.0118	0.0794	1	03/30/11 16:10	SW846 8270D	AJK	11C6845
Pyrene	ND		mg/kg dry	0.0273	0.0794	1	03/30/11 16:10	SW846 8270D	AJK	11C6845
1-Methylnaphthalene	ND		mg/kg dry	0.0142	0.0794	1	03/30/11 16:10	SW846 8270D	AJK	11C6845
2-Methylnaphthalene	ND		mg/kg dry	0.0249	0.0794	1	03/30/11 16:10	SW846 8270D	AJK	11C6845
Surr: Terphenyl-d14 (18-120%)	*57 %*					*1*	*03/30/11 16:10*	*SW846 8270D*	*AJK*	*11C6845*
Surr: 2-Fluorobiphenyl (14-120%)	*59 %*					*1*	*03/30/11 16:10*	*SW846 8270D*	*AJK*	*11C6845*
Surr: Nitrobenzene-d5 (17-120%)	*49 %*					*1*	*03/30/11 16:10*	*SW846 8270D*	*AJK*	*11C6845*

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUC4497
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	03/26/11 08:25

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NUC4497-04 (1039 Iris - Soil) Sampled: 03/23/11 10:45										
General Chemistry Parameters										
% Dry Solids	**89.5**		%	0.500	0.500	1	04/06/11 12:29	SW-846	AMS	11D0901
Volatile Organic Compounds by EPA Method 8260B										
Benzene	ND		mg/kg dry	0.00121	0.00220	1	03/31/11 13:36	SW846 8260B	MJH/H	11C7723
Ethylbenzene	ND	RL1	mg/kg dry	0.0662	0.135	50	03/31/11 14:06	SW846 8260B	MJH/H	11C7723
Naphthalene	ND	RL1	mg/kg dry	0.115	0.338	50	03/31/11 14:06	SW846 8260B	MJH/H	11C7723
Toluene	ND	RL1	mg/kg dry	0.0602	0.135	50	03/31/11 14:06	SW846 8260B	MJH/H	11C7723
Xylenes, total	ND	RL1	mg/kg dry	0.128	0.338	50	03/31/11 14:06	SW846 8260B	MJH/H	11C7723
Surr: 1,2-Dichloroethane-d4 (67-138%)	*132 %*					*1*	*03/31/11 13:36*	*SW846 8260B*	*MJH/H*	*11C7723*
Surr: 1,2-Dichloroethane-d4 (67-138%)	*108 %*					*50*	*03/31/11 14:06*	*SW846 8260B*	*MJH/H*	*11C7723*
Surr: Dibromofluoromethane (75-125%)	*108 %*					*1*	*03/31/11 13:36*	*SW846 8260B*	*MJH/H*	*11C7723*
Surr: Dibromofluoromethane (75-125%)	*93 %*					*50*	*03/31/11 14:06*	*SW846 8260B*	*MJH/H*	*11C7723*
Surr: Toluene-d8 (76-129%)	*114 %*					*1*	*03/31/11 13:36*	*SW846 8260B*	*MJH/H*	*11C7723*
Surr: Toluene-d8 (76-129%)	*92 %*					*50*	*03/31/11 14:06*	*SW846 8260B*	*MJH/H*	*11C7723*
Surr: 4-Bromofluorobenzene (67-147%)	*163 %*	*ZX*				*1*	*03/31/11 13:36*	*SW846 8260B*	*MJH/H*	*11C7723*
Surr: 4-Bromofluorobenzene (67-147%)	*103 %*					*50*	*03/31/11 14:06*	*SW846 8260B*	*MJH/H*	*11C7723*
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0155	0.0743	1	03/30/11 16:29	SW846 8270D	AJK	11C6845
Acenaphthylene	ND		mg/kg dry	0.0222	0.0743	1	03/30/11 16:29	SW846 8270D	AJK	11C6845
Anthracene	ND		mg/kg dry	0.00998	0.0743	1	03/30/11 16:29	SW846 8270D	AJK	11C6845
Benzo (a) anthracene	ND		mg/kg dry	0.0122	0.0743	1	03/30/11 16:29	SW846 8270D	AJK	11C6845
Benzo (a) pyrene	ND		mg/kg dry	0.00887	0.0743	1	03/30/11 16:29	SW846 8270D	AJK	11C6845
Benzo (b) fluoranthene	ND		mg/kg dry	0.0421	0.0743	1	03/30/11 16:29	SW846 8270D	AJK	11C6845
Benzo (g,h,i) perylene	ND		mg/kg dry	0.00998	0.0743	1	03/30/11 16:29	SW846 8270D	AJK	11C6845
Benzo (k) fluoranthene	ND		mg/kg dry	0.0410	0.0743	1	03/30/11 16:29	SW846 8270D	AJK	11C6845
Chrysene	ND		mg/kg dry	0.0344	0.0743	1	03/30/11 16:29	SW846 8270D	AJK	11C6845
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0166	0.0743	1	03/30/11 16:29	SW846 8270D	AJK	11C6845
Fluoranthene	ND		mg/kg dry	0.0122	0.0743	1	03/30/11 16:29	SW846 8270D	AJK	11C6845
Fluorene	ND		mg/kg dry	0.0222	0.0743	1	03/30/11 16:29	SW846 8270D	AJK	11C6845
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0344	0.0743	1	03/30/11 16:29	SW846 8270D	AJK	11C6845
Naphthalene	ND		mg/kg dry	0.0155	0.0743	1	03/30/11 16:29	SW846 8270D	AJK	11C6845
Phenanthrene	ND		mg/kg dry	0.0111	0.0743	1	03/30/11 16:29	SW846 8270D	AJK	11C6845
Pyrene	ND		mg/kg dry	0.0255	0.0743	1	03/30/11 16:29	SW846 8270D	AJK	11C6845
1-Methylnaphthalene	ND		mg/kg dry	0.0133	0.0743	1	03/30/11 16:29	SW846 8270D	AJK	11C6845
2-Methylnaphthalene	ND		mg/kg dry	0.0233	0.0743	1	03/30/11 16:29	SW846 8270D	AJK	11C6845
Surr: Terphenyl-d14 (18-120%)	*76 %*					*1*	*03/30/11 16:29*	*SW846 8270D*	*AJK*	*11C6845*
Surr: 2-Fluorobiphenyl (14-120%)	*78 %*					*1*	*03/30/11 16:29*	*SW846 8270D*	*AJK*	*11C6845*
Surr: Nitrobenzene-d5 (17-120%)	*39 %*					*1*	*03/30/11 16:29*	*SW846 8270D*	*AJK*	*11C6845*

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUC4497
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	03/26/11 08:25

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NUC4497-05 (1100 Iris - Soil) Sampled: 03/23/11 15:15										
General Chemistry Parameters										
% Dry Solids	**82.4**		%	0.500	0.500	1	04/06/11 12:29	SW-846	AMS	11D0901
Volatile Organic Compounds by EPA Method 8260B										
Benzene	ND		mg/kg dry	0.00122	0.00222	1	03/30/11 19:25	SW846 8260B	MJH/H	11C5756
Ethylbenzene	ND		mg/kg dry	0.00109	0.00222	1	03/30/11 19:25	SW846 8260B	MJH/H	11C5756
Naphthalene	ND		mg/kg dry	0.00189	0.00555	1	03/30/11 19:25	SW846 8260B	MJH/H	11C5756
Toluene	ND		mg/kg dry	0.000987	0.00222	1	03/30/11 19:25	SW846 8260B	MJH/H	11C5756
Xylenes, total	ND		mg/kg dry	0.00211	0.00555	1	03/30/11 19:25	SW846 8260B	MJH/H	11C5756
Surr: 1,2-Dichloroethane-d4 (67-138%)	*107 %*					*1*	*03/30/11 19:25*	*SW846 8260B*	*MJH/H*	*11C5756*
Surr: Dibromofluoromethane (75-125%)	*100 %*					*1*	*03/30/11 19:25*	*SW846 8260B*	*MJH H*	*11C5756*
Surr: Toluene-d8 (76-129%)	*95 %*					*1*	*03/30/11 19:25*	*SW846 8260B*	*MJH H*	*11C5756*
Surr: 4-Bromofluorobenzene (67-147%)	*102 %*					*1*	*03/30/11 19:25*	*SW846 8260B*	*MJH H*	*11C5756*
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0168	0.0806	1	03/30/11 16:48	SW846 8270D	AJK	11C6845
Acenaphthylene	ND		mg/kg dry	0.0241	0.0806	1	03/30/11 16:48	SW846 8270D	AJK	11C6845
Anthracene	ND		mg/kg dry	0.0108	0.0806	1	03/30/11 16:48	SW846 8270D	AJK	11C6845
Benzo (a) anthracene	ND		mg/kg dry	0.0132	0.0806	1	03/30/11 16:48	SW846 8270D	AJK	11C6845
Benzo (a) pyrene	ND		mg/kg dry	0.00962	0.0806	1	03/30/11 16:48	SW846 8270D	AJK	11C6845
Benzo (b) fluoranthene	ND		mg/kg dry	0.0457	0.0806	1	03/30/11 16:48	SW846 8270D	AJK	11C6845
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0108	0.0806	1	03/30/11 16:48	SW846 8270D	AJK	11C6845
Benzo (k) fluoranthene	ND		mg/kg dry	0.0445	0.0806	1	03/30/11 16:48	SW846 8270D	AJK	11C6845
Chrysene	ND		mg/kg dry	0.0373	0.0806	1	03/30/11 16:48	SW846 8270D	AJK	11C6845
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0180	0.0806	1	03/30/11 16:48	SW846 8270D	AJK	11C6845
Fluoranthene	ND		mg/kg dry	0.0132	0.0806	1	03/30/11 16:48	SW846 8270D	AJK	11C6845
Fluorene	ND		mg/kg dry	0.0241	0.0806	1	03/30/11 16:48	SW846 8270D	AJK	11C6845
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0373	0.0806	1	03/30/11 16:48	SW846 8270D	AJK	11C6845
Naphthalene	ND		mg/kg dry	0.0168	0.0806	1	03/30/11 16:48	SW846 8270D	AJK	11C6845
Phenanthrene	ND		mg/kg dry	0.0120	0.0806	1	03/30/11 16:48	SW846 8270D	AJK	11C6845
Pyrene	ND		mg/kg dry	0.0277	0.0806	1	03/30/11 16:48	SW846 8270D	AJK	11C6845
1-Methylnaphthalene	ND		mg/kg dry	0.0144	0.0806	1	03/30/11 16:48	SW846 8270D	AJK	11C6845
2-Methylnaphthalene	ND		mg/kg dry	0.0253	0.0806	1	03/30/11 16:48	SW846 8270D	AJK	11C6845
Surr: Terphenyl-d14 (18-120%)	*69 %*					*1*	*03/30/11 16:48*	*SW846 8270D*	*AJK*	*11C6845*
Surr: 2-Fluorobiphenyl (14-120%)	*57 %*					*1*	*03/30/11 16:48*	*SW846 8270D*	*AJK*	*11C6845*
Surr: Nitrobenzene-d5 (17-120%)	*54 %*					*1*	*03/30/11 16:48*	*SW846 8270D*	*AJK*	*11C6845*

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUC4497
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	03/26/11 08:25

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NUC4497-06 (1101 Iris - Soil) Sampled: 03/24/11 11:15										
General Chemistry Parameters										
% Dry Solids	**83.2**		%	0.500	0.500	1	04/06/11 12:29	SW-846	AMS	11D0901
Volatile Organic Compounds by EPA Method 8260B										
Benzene	ND		mg/kg dry	0.00103	0.00188	1	03/30/11 19:55	SW846 8260B	MJH/H	11C5756
Ethylbenzene	**0.0617**		mg/kg dry	0.000921	0.00188	1	03/30/11 19:55	SW846 8260B	MJH/H	11C5756
Naphthalene	**1.02**		mg/kg dry	0.0793	0.233	50	03/31/11 16:05	SW846 8260B	MJH/H	11C7723
Toluene	**0.00104**	J	mg/kg dry	0.000837	0.00188	1	03/30/11 19:55	SW846 8260B	MJH/H	11C5756
Xylenes, total	**0.270**		mg/kg dry	0.00179	0.00470	1	03/30/11 19:55	SW846 8260B	MJH/H	11C5756
Surr: 1,2-Dichloroethane-d4 (67-138%)	*109 %*					*1*	*03/30/11 19:55*	*SW846 8260B*	*MJH/H*	*11C5756*
Surr: 1,2-Dichloroethane-d4 (67-138%)	*99 %*					*50*	*03/31/11 16:05*	*SW846 8260B*	*MJH/H*	*11C7723*
Surr: Dibromofluoromethane (75-125%)	*99 %*					*1*	*03/30/11 19:55*	*SW846 8260B*	*MJH/H*	*11C5756*
Surr: Dibromofluoromethane (75-125%)	*87 %*					*50*	*03/31/11 16:05*	*SW846 8260B*	*MJH/H*	*11C7723*
Surr: Toluene-d8 (76-129%)	*116 %*					*1*	*03/30/11 19:55*	*SW846 8260B*	*MJH/H*	*11C5756*
Surr: Toluene-d8 (76-129%)	*102 %*					*50*	*03/31/11 16:05*	*SW846 8260B*	*MJH/H*	*11C7723*
Surr: 4-Bromofluorobenzene (67-147%)	*178 %*	*ZX*				*1*	*03/30/11 19:55*	*SW846 8260B*	*MJH/H*	*11C5756*
Surr: 4-Bromofluorobenzene (67-147%)	*100 %*					*50*	*03/31/11 16:05*	*SW846 8260B*	*MJH/H*	*11C7723*
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0167	0.0798	1	03/30/11 17:06	SW846 8270D	AJK	11C6845
Acenaphthylene	ND		mg/kg dry	0.0238	0.0798	1	03/30/11 17:06	SW846 8270D	AJK	11C6845
Anthracene	ND		mg/kg dry	0.0107	0.0798	1	03/30/11 17:06	SW846 8270D	AJK	11C6845
Benzo (a) anthracene	ND		mg/kg dry	0.0131	0.0798	1	03/30/11 17:06	SW846 8270D	AJK	11C6845
Benzo (a) pyrene	ND		mg/kg dry	0.00953	0.0798	1	03/30/11 17:06	SW846 8270D	AJK	11C6845
Benzo (b) fluoranthene	ND		mg/kg dry	0.0453	0.0798	1	03/30/11 17:06	SW846 8270D	AJK	11C6845
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0107	0.0798	1	03/30/11 17:06	SW846 8270D	AJK	11C6845
Benzo (k) fluoranthene	ND		mg/kg dry	0.0441	0.0798	1	03/30/11 17:06	SW846 8270D	AJK	11C6845
Chrysene	ND		mg/kg dry	0.0369	0.0798	1	03/30/11 17:06	SW846 8270D	AJK	11C6845
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0179	0.0798	1	03/30/11 17:06	SW846 8270D	AJK	11C6845
Fluoranthene	ND		mg/kg dry	0.0131	0.0798	1	03/30/11 17:06	SW846 8270D	AJK	11C6845
Fluorene	**0.807**		mg/kg dry	0.0238	0.0798	1	03/30/11 17:06	SW846 8270D	AJK	11C6845
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0369	0.0798	1	03/30/11 17:06	SW846 8270D	AJK	11C6845
Naphthalene	**1.01**		mg/kg dry	0.0167	0.0798	1	03/30/11 17:06	SW846 8270D	AJK	11C6845
Phenanthrene	**1.38**		mg/kg dry	0.0119	0.0798	1	03/30/11 17:06	SW846 8270D	AJK	11C6845
Pyrene	**0.0762**	J	mg/kg dry	0.0274	0.0798	1	03/30/11 17:06	SW846 8270D	AJK	11C6845
1-Methylnaphthalene	**3.89**		mg/kg dry	0.0143	0.0798	1	03/30/11 17:06	SW846 8270D	AJK	11C6845
2-Methylnaphthalene	**5.76**		mg/kg dry	0.125	0.399	5	03/31/11 12:05	SW846 8270D	ajk	11C6845
Surr: Terphenyl-d14 (18-120%)	*73 %*					*1*	*03/30/11 17:06*	*SW846 8270D*	*AJK*	*11C6845*
Surr: 2-Fluorobiphenyl (14-120%)	*64 %*					*1*	*03/30/11 17:06*	*SW846 8270D*	*AJK*	*11C6845*
Surr: Nitrobenzene-d5 (17-120%)	*63 %*					*1*	*03/30/11 17:06*	*SW846 8270D*	*AJK*	*11C6845*

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUC4497
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	03/26/11 08:25

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NUC4497-07 (1105 Iris - Soil) Sampled: 03/24/11 16:00										
General Chemistry Parameters										
% Dry Solids	**85.0**		%	0.500	0.500	1	04/06/11 12:29	SW-846	AMS	11D0901
Volatile Organic Compounds by EPA Method 8260B										
Benzene	ND	RL1	mg/kg dry	0.0594	0.108	50	03/31/11 15:06	SW846 8260B	MJH/H	11C7723
Ethylbenzene	ND	RL1	mg/kg dry	0.0529	0.108	50	03/31/11 15:06	SW846 8260B	MJH/H	11C7723
Naphthalene	ND	RL1	mg/kg dry	0.0918	0.270	50	03/31/11 15:06	SW846 8260B	MJH/H	11C7723
Toluene	ND	RL1	mg/kg dry	0.0481	0.108	50	03/31/11 15:06	SW846 8260B	MJH/H	11C7723
Xylenes, total	ND	RL1	mg/kg dry	0.103	0.270	50	03/31/11 15:06	SW846 8260B	MJH/H	11C7723
Surr: 1,2-Dichloroethane-d4 (67-138%)	*106 %*					*50*	*03/31/11 15:06*	*SW846 8260B*	*MJH/H*	*11C7723*
Surr: Dibromofluoromethane (75-125%)	*91 %*					*50*	*03/31/11 15:06*	*SW846 8260B*	*MJH/H*	*11C7723*
Surr: Toluene-d8 (76-129%)	*102 %*					*50*	*03/31/11 15:06*	*SW846 8260B*	*MJH/H*	*11C7723*
Surr: 4-Bromofluorobenzene (67-147%)	*104 %*					*50*	*03/31/11 15:06*	*SW846 8260B*	*MJH/H*	*11C7723*
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0163	0.0779	1	03/30/11 17:25	SW846 8270D	AJK	11C6845
Acenaphthylene	ND		mg/kg dry	0.0233	0.0779	1	03/30/11 17:25	SW846 8270D	AJK	11C6845
Anthracene	ND		mg/kg dry	0.0105	0.0779	1	03/30/11 17:25	SW846 8270D	AJK	11C6845
Benzo (a) anthracene	ND		mg/kg dry	0.0128	0.0779	1	03/30/11 17:25	SW846 8270D	AJK	11C6845
Benzo (a) pyrene	ND		mg/kg dry	0.00931	0.0779	1	03/30/11 17:25	SW846 8270D	AJK	11C6845
Benzo (b) fluoranthene	ND		mg/kg dry	0.0442	0.0779	1	03/30/11 17:25	SW846 8270D	AJK	11C6845
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0105	0.0779	1	03/30/11 17:25	SW846 8270D	AJK	11C6845
Benzo (k) fluoranthene	ND		mg/kg dry	0.0430	0.0779	1	03/30/11 17:25	SW846 8270D	AJK	11C6845
Chrysene	ND		mg/kg dry	0.0361	0.0779	1	03/30/11 17:25	SW846 8270D	AJK	11C6845
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0175	0.0779	1	03/30/11 17:25	SW846 8270D	AJK	11C6845
Fluoranthene	ND		mg/kg dry	0.0128	0.0779	1	03/30/11 17:25	SW846 8270D	AJK	11C6845
Fluorene	ND		mg/kg dry	0.0233	0.0779	1	03/30/11 17:25	SW846 8270D	AJK	11C6845
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0361	0.0779	1	03/30/11 17:25	SW846 8270D	AJK	11C6845
Naphthalene	ND		mg/kg dry	0.0163	0.0779	1	03/30/11 17:25	SW846 8270D	AJK	11C6845
Phenanthrene	ND		mg/kg dry	0.0116	0.0779	1	03/30/11 17:25	SW846 8270D	AJK	11C6845
Pyrene	ND		mg/kg dry	0.0268	0.0779	1	03/30/11 17:25	SW846 8270D	AJK	11C6845
1-Methylnaphthalene	ND		mg/kg dry	0.0140	0.0779	1	03/30/11 17:25	SW846 8270D	AJK	11C6845
2-Methylnaphthalene	ND		mg/kg dry	0.0244	0.0779	1	03/30/11 17:25	SW846 8270D	AJK	11C6845
Surr: Terphenyl-d14 (18-120%)	*68 %*					*1*	*03/30/11 17:25*	*SW846 8270D*	*AJK*	*11C6845*
Surr: 2-Fluorobiphenyl (14-120%)	*52 %*					*1*	*03/30/11 17:25*	*SW846 8270D*	*AJK*	*11C6845*
Surr: Nitrobenzene-d5 (17-120%)	*44 %*					*1*	*03/30/11 17:25*	*SW846 8270D*	*AJK*	*11C6845*

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUC4497
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	03/26/11 08:25

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extract Vol	Date	Analyst	Extraction Method
Polyaromatic Hydrocarbons by EPA 8270D							
SW846 8270D	11C6845	NUC4497-01	30.43	1.00	03/29/11 10:40	SAS	EPA 3550C
SW846 8270D	11C6845	NUC4497-02	30.86	1.00	03/29/11 10:40	SAS	EPA 3550C
SW846 8270D	11C6845	NUC4497-03	30.44	1.00	03/29/11 10:40	SAS	EPA 3550C
SW846 8270D	11C6845	NUC4497-04	30.21	1.00	03/29/11 10:40	SAS	EPA 3550C
SW846 8270D	11C6845	NUC4497-05	30.28	1.00	03/29/11 10:40	SAS	EPA 3550C
SW846 8270D	11C6845	NUC4497-06	30.26	1.00	03/29/11 10:40	SAS	EPA 3550C
SW846 8270D	11C6845	NUC4497-06RE1	30.26	1.00	03/29/11 10:40	SAS	EPA 3550C
SW846 8270D	11C6845	NUC4497-07	30.35	1.00	03/29/11 10:40	SAS	EPA 3550C
Volatile Organic Compounds by EPA Method 8260B							
SW846 8260B	11C5756	NUC4497-01	4.60	5.00	03/21/11 14:15	CHH	EPA 5035
SW846 8260B	11C5756	NUC4497-02	6.16	5.00	03/22/11 09:45	CHH	EPA 5035
SW846 8260B	11C5756	NUC4497-03	5.78	5.00	03/22/11 15:00	CHH	EPA 5035
SW846 8260B	11C5756	NUC4497-04	4.86	5.00	03/23/11 10:45	CHH	EPA 5035
SW846 8260B	11C7723	NUC4497-04RE1	5.08	5.00	03/23/11 10:45	CHH	EPA 5035
SW846 8260B	11C7723	NUC4497-04RE2	4.13	5.00	03/23/11 10:45	CHH	EPA 5035
SW846 8260B	11C5756	NUC4497-05	5.47	5.00	03/23/11 15:15	CHH	EPA 5035
SW846 8260B	11C5756	NUC4497-06	6.39	5.00	03/24/11 11:15	CHH	EPA 5035
SW846 8260B	11C7723	NUC4497-06RE1	6.44	5.00	03/24/11 11:15	CHH	EPA 5035
SW846 8260B	11C5756	NUC4497-07	5.26	5.00	03/24/11 16:00	CHH	EPA 5035
SW846 8260B	11C7723	NUC4497-07RE1	4.74	5.00	03/24/11 16:00	CHH	EPA 5035
SW846 8260B	11C7723	NUC4497-07RE2	5.45	5.00	03/24/11 16:00	CHH	EPA 5035

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUC4497
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	03/26/11 08:25

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B						
11C5756-BLK1						
Benzene	<0.00110		mg/kg wet	11C5756	11C5756-BLK1	03/30/11 12:19
Ethylbenzene	<0.000980		mg/kg wet	11C5756	11C5756-BLK1	03/30/11 12:19
Naphthalene	<0.00170		mg/kg wet	11C5756	11C5756-BLK1	03/30/11 12:19
Toluene	<0.000890		mg/kg wet	11C5756	11C5756-BLK1	03/30/11 12:19
Xylenes, total	<0.00190		mg/kg wet	11C5756	11C5756-BLK1	03/30/11 12:19
Surrogate: 1,2-Dichloroethane-d4	110%			11C5756	11C5756-BLK1	03/30/11 12:19
Surrogate: Dibromofluoromethane	102%			11C5756	11C5756-BLK1	03/30/11 12:19
Surrogate: Toluene-d8	91%			11C5756	11C5756-BLK1	03/30/11 12:19
Surrogate: 4-Bromofluorobenzene	98%			11C5756	11C5756-BLK1	03/30/11 12:19
11C5756-BLK2						
Benzene	<0.0550		mg/kg wet	11C5756	11C5756-BLK2	03/30/11 12:49
Ethylbenzene	<0.0490		mg/kg wet	11C5756	11C5756-BLK2	03/30/11 12:49
Naphthalene	<0.0850		mg/kg wet	11C5756	11C5756-BLK2	03/30/11 12:49
Toluene	<0.0445		mg/kg wet	11C5756	11C5756-BLK2	03/30/11 12:49
Xylenes, total	<0.0950		mg/kg wet	11C5756	11C5756-BLK2	03/30/11 12:49
Surrogate: 1,2-Dichloroethane-d4	106%			11C5756	11C5756-BLK2	03/30/11 12:49
Surrogate: Dibromofluoromethane	100%			11C5756	11C5756-BLK2	03/30/11 12:49
Surrogate: Toluene-d8	101%			11C5756	11C5756-BLK2	03/30/11 12:49
Surrogate: 4-Bromofluorobenzene	98%			11C5756	11C5756-BLK2	03/30/11 12:49
11C7723-BLK1						
Benzene	<0.00110		mg/kg wet	11C7723	11C7723-BLK1	03/31/11 12:07
Ethylbenzene	<0.000980		mg/kg wet	11C7723	11C7723-BLK1	03/31/11 12:07
Naphthalene	<0.00170		mg/kg wet	11C7723	11C7723-BLK1	03/31/11 12:07
Toluene	<0.000890		mg/kg wet	11C7723	11C7723-BLK1	03/31/11 12:07
Xylenes, total	<0.00190		mg/kg wet	11C7723	11C7723-BLK1	03/31/11 12:07
Surrogate: 1,2-Dichloroethane-d4	110%			11C7723	11C7723-BLK1	03/31/11 12:07
Surrogate: Dibromofluoromethane	101%			11C7723	11C7723-BLK1	03/31/11 12:07
Surrogate: Toluene-d8	101%			11C7723	11C7723-BLK1	03/31/11 12:07
Surrogate: 4-Bromofluorobenzene	99%			11C7723	11C7723-BLK1	03/31/11 12:07
11C7723-BLK2						
Benzene	<0.0550		mg/kg wet	11C7723	11C7723-BLK2	03/31/11 12:37
Ethylbenzene	<0.0490		mg/kg wet	11C7723	11C7723-BLK2	03/31/11 12:37
Naphthalene	<0.0850		mg/kg wet	11C7723	11C7723-BLK2	03/31/11 12:37
Toluene	<0.0445		mg/kg wet	11C7723	11C7723-BLK2	03/31/11 12:37
Xylenes, total	<0.0950		mg/kg wet	11C7723	11C7723-BLK2	03/31/11 12:37
Surrogate: 1,2-Dichloroethane-d4	104%			11C7723	11C7723-BLK2	03/31/11 12:37
Surrogate: Dibromofluoromethane	99%			11C7723	11C7723-BLK2	03/31/11 12:37
Surrogate: Toluene-d8	102%			11C7723	11C7723-BLK2	03/31/11 12:37
Surrogate: 4-Bromofluorobenzene	98%			11C7723	11C7723-BLK2	03/31/11 12:37

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUC4497
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	03/26/11 08:25

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B						
Polyaromatic Hydrocarbons by EPA 8270D						
11C6845-BLK1						
Acenaphthene	<0.0140		mg/kg wet	11C6845	11C6845-BLK1	03/30/11 10:32
Acenaphthylene	<0.0200		mg/kg wet	11C6845	11C6845-BLK1	03/30/11 10:32
Anthracene	<0.00900		mg/kg wet	11C6845	11C6845-BLK1	03/30/11 10:32
Benzo (a) anthracene	<0.0110		mg/kg wet	11C6845	11C6845-BLK1	03/30/11 10:32
Benzo (a) pyrene	<0.00800		mg/kg wet	11C6845	11C6845-BLK1	03/30/11 10:32
Benzo (b) fluoranthene	<0.0380		mg/kg wet	11C6845	11C6845-BLK1	03/30/11 10:32
Benzo (g,h,i) perylene	<0.00900		mg/kg wet	11C6845	11C6845-BLK1	03/30/11 10:32
Benzo (k) fluoranthene	<0.0370		mg/kg wet	11C6845	11C6845-BLK1	03/30/11 10:32
Chrysene	<0.0310		mg/kg wet	11C6845	11C6845-BLK1	03/30/11 10:32
Dibenz (a,h) anthracene	<0.0150		mg/kg wet	11C6845	11C6845-BLK1	03/30/11 10:32
Fluoranthene	<0.0110		mg/kg wet	11C6845	11C6845-BLK1	03/30/11 10:32
Fluorene	<0.0200		mg/kg wet	11C6845	11C6845-BLK1	03/30/11 10:32
Indeno (1,2,3-cd) pyrene	<0.0310		mg/kg wet	11C6845	11C6845-BLK1	03/30/11 10:32
Naphthalene	<0.0140		mg/kg wet	11C6845	11C6845-BLK1	03/30/11 10:32
Phenanthrene	<0.0100		mg/kg wet	11C6845	11C6845-BLK1	03/30/11 10:32
Pyrene	<0.0230		mg/kg wet	11C6845	11C6845-BLK1	03/30/11 10:32
1-Methylnaphthalene	<0.0120		mg/kg wet	11C6845	11C6845-BLK1	03/30/11 10:32
2-Methylnaphthalene	<0.0210		mg/kg wet	11C6845	11C6845-BLK1	03/30/11 10:32
Surrogate: Terphenyl-d14	67%			11C6845	11C6845-BLK1	03/30/11 10:32
Surrogate: 2-Fluorobiphenyl	66%			11C6845	11C6845-BLK1	03/30/11 10:32
Surrogate: Nitrobenzene-d5	62%			11C6845	11C6845-BLK1	03/30/11 10:32

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUC4497
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	03/26/11 08:25

PROJECT QUALITY CONTROL DATA

Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	% Rec.	Analyzed Date/Time
General Chemistry Parameters										
11D0901-DUP1										
% Dry Solids	83.0	85.7		%	3	20	11D0901	NUC4454-22		04/06/11 12:29

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUC4497
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	03/26/11 08:25

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								
11C5756-BS1								
Benzene	50.0	53.0		ug/kg	106%	78 - 126	11C5756	03/30/11 10:49
Ethylbenzene	50.0	53.2		ug/kg	106%	79 - 130	11C5756	03/30/11 10:49
Naphthalene	50.0	53.4		ug/kg	107%	72 - 150	11C5756	03/30/11 10:49
Toluene	50.0	48.5		ug/kg	97%	76 - 126	11C5756	03/30/11 10:49
Xylenes, total	150	153		ug/kg	102%	80 - 130	11C5756	03/30/11 10:49
Surrogate: 1,2-Dichloroethane-d4	50.0	55.8			112%	67 - 138	11C5756	03/30/11 10:49
Surrogate: Dibromofluoromethane	50.0	51.4			103%	75 - 125	11C5756	03/30/11 10:49
Surrogate: Toluene-d8	50.0	45.8			92%	76 - 129	11C5756	03/30/11 10:49
Surrogate: 4-Bromofluorobenzene	50.0	50.0			100%	67 - 147	11C5756	03/30/11 10:49
11C7723-BS1								
Benzene	50.0	48.8		ug/kg	98%	78 - 126	11C7723	03/31/11 10:25
Ethylbenzene	50.0	49.5		ug/kg	99%	79 - 130	11C7723	03/31/11 10:25
Naphthalene	50.0	51.3		ug/kg	103%	72 - 150	11C7723	03/31/11 10:25
Toluene	50.0	49.0		ug/kg	98%	76 - 126	11C7723	03/31/11 10:25
Xylenes, total	150	147		ug/kg	98%	80 - 130	11C7723	03/31/11 10:25
Surrogate: 1,2-Dichloroethane-d4	50.0	56.5			113%	67 - 138	11C7723	03/31/11 10:25
Surrogate: Dibromofluoromethane	50.0	51.5			103%	75 - 125	11C7723	03/31/11 10:25
Surrogate: Toluene-d8	50.0	49.5			99%	76 - 129	11C7723	03/31/11 10:25
Surrogate: 4-Bromofluorobenzene	50.0	50.4			101%	67 - 147	11C7723	03/31/11 10:25
Polyaromatic Hydrocarbons by EPA 8270D								
11C6845-BS1								
Acenaphthene	1.67	1.19		mg/kg wet	72%	49 - 120	11C6845	03/30/11 10:51
Acenaphthylene	1.67	1.28		mg/kg wet	77%	52 - 120	11C6845	03/30/11 10:51
Anthracene	1.67	1.31		mg/kg wet	79%	58 - 120	11C6845	03/30/11 10:51
Benzo (a) anthracene	1.67	1.23		mg/kg wet	74%	57 - 120	11C6845	03/30/11 10:51
Benzo (a) pyrene	1.67	1.36		mg/kg wet	81%	55 - 120	11C6845	03/30/11 10:51
Benzo (b) fluoranthene	1.67	1.31		mg/kg wet	79%	51 - 123	11C6845	03/30/11 10:51
Benzo (g,h,i) perylene	1.67	1.43		mg/kg wet	86%	49 - 121	11C6845	03/30/11 10:51
Benzo (k) fluoranthene	1.67	1.24		mg/kg wet	74%	42 - 129	11C6845	03/30/11 10:51
Chrysene	1.67	1.18		mg/kg wet	71%	55 - 120	11C6845	03/30/11 10:51
Dibenz (a,h) anthracene	1.67	1.46		mg/kg wet	88%	50 - 123	11C6845	03/30/11 10:51
Fluoranthene	1.67	1.33		mg/kg wet	80%	58 - 120	11C6845	03/30/11 10:51
Fluorene	1.67	1.29		mg/kg wet	77%	54 - 120	11C6845	03/30/11 10:51
Indeno (1,2,3-cd) pyrene	1.67	1.50		mg/kg wet	90%	50 - 122	11C6845	03/30/11 10:51
Naphthalene	1.67	1.30		mg/kg wet	78%	28 - 120	11C6845	03/30/11 10:51
Phenanthrene	1.67	1.28		mg/kg wet	77%	56 - 120	11C6845	03/30/11 10:51
Pyrene	1.67	1.14		mg/kg wet	68%	56 - 120	11C6845	03/30/11 10:51
1-Methylnaphthalene	1.67	1.16		mg/kg wet	69%	36 - 120	11C6845	03/30/11 10:51
2-Methylnaphthalene	1.67	1.25		mg/kg wet	75%	36 - 120	11C6845	03/30/11 10:51

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUC4497
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	03/26/11 08:25

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								
11C6845-BS1								
Surrogate: Terphenyl-d14	1.67	1.01			61%	18 - 120	11C6845	03/30/11 10:51
Surrogate: 2-Fluorobiphenyl	1.67	1.11			67%	14 - 120	11C6845	03/30/11 10:51
Surrogate: Nitrobenzene-d5	1.67	1.13			68%	17 - 120	11C6845	03/30/11 10:51

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUC4497
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	03/26/11 08:25

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										
11C5756-MS1										
Benzene	0.00806	0.0505		mg/kg wet	0.0470	90%	42 - 141	11C5756	NUC3836-05	03/30/11 20:54
Ethylbenzene	0.00176	0.0461		mg/kg wet	0.0470	94%	21 - 165	11C5756	NUC3836-05	03/30/11 20:54
Naphthalene	ND	0.0406		mg/kg wet	0.0470	86%	10 - 160	11C5756	NUC3836-05	03/30/11 20:54
Toluene	0.0169	0.0574		mg/kg wet	0.0470	86%	45 - 145	11C5756	NUC3836-05	03/30/11 20:54
Xylenes, total	0.0219	0.152		mg/kg wet	0.141	92%	31 - 159	11C5756	NUC3836-05	03/30/11 20:54
Surrogate: 1,2-Dichloroethane-d4		57.9		ug/kg	50.0	116%	67 - 138	11C5756	NUC3836-05	03/30/11 20:54
Surrogate: Dibromofluoromethane		51.0		ug/kg	50.0	102%	75 - 125	11C5756	NUC3836-05	03/30/11 20:54
Surrogate: Toluene-d8		47.7		ug/kg	50.0	95%	76 - 129	11C5756	NUC3836-05	03/30/11 20:54
Surrogate: 4-Bromofluorobenzene		52.8		ug/kg	50.0	106%	67 - 147	11C5756	NUC3836-05	03/30/11 20:54
11C7723-MS1										
Benzene	ND	3.28		mg/kg dry	3.00	109%	42 - 141	11C7723	NUC4497-06R E1	03/31/11 19:04
Ethylbenzene	0.125	3.68		mg/kg dry	3.00	118%	21 - 165	11C7723	NUC4497-06R E1	03/31/11 19:04
Naphthalene	1.02	4.16		mg/kg dry	3.00	105%	10 - 160	11C7723	NUC4497-06R E1	03/31/11 19:04
Toluene	ND	3.37		mg/kg dry	3.00	112%	45 - 145	11C7723	NUC4497-06R E1	03/31/11 19:04
Xylenes, total	0.658	11.3		mg/kg dry	9.01	118%	31 - 159	11C7723	NUC4497-06R E1	03/31/11 19:04
Surrogate: 1,2-Dichloroethane-d4		51.0		ug/kg	50.0	102%	67 - 138	11C7723	NUC4497-06R E1	03/31/11 19:04
Surrogate: Dibromofluoromethane		48.5		ug/kg	50.0	97%	75 - 125	11C7723	NUC4497-06R E1	03/31/11 19:04
Surrogate: Toluene-d8		50.6		ug/kg	50.0	101%	76 - 129	11C7723	NUC4497-06R E1	03/31/11 19:04
Surrogate: 4-Bromofluorobenzene		49.2		ug/kg	50.0	98%	67 - 147	11C7723	NUC4497-06R E1	03/31/11 19:04
Polyaromatic Hydrocarbons by EPA 8270D										
11C6845-MS1										
Acenaphthene	ND	1.39		mg/kg dry	1.96	71%	42 - 120	11C6845	NUC4453-01	03/30/11 11:10
Acenaphthylene	ND	1.45		mg/kg dry	1.96	74%	32 - 120	11C6845	NUC4453-01	03/30/11 11:10
Anthracene	ND	1.55		mg/kg dry	1.96	79%	10 - 200	11C6845	NUC4453-01	03/30/11 11:10
Benzo (a) anthracene	ND	1.37		mg/kg dry	1.96	70%	41 - 120	11C6845	NUC4453-01	03/30/11 11:10
Benzo (a) pyrene	ND	1.46		mg/kg dry	1.96	75%	33 - 121	11C6845	NUC4453-01	03/30/11 11:10
Benzo (b) fluoranthene	ND	1.46		mg/kg dry	1.96	74%	26 - 137	11C6845	NUC4453-01	03/30/11 11:10
Benzo (g,h,i) perylene	ND	1.51		mg/kg dry	1.96	77%	21 - 124	11C6845	NUC4453-01	03/30/11 11:10
Benzo (k) fluoranthene	ND	1.38		mg/kg dry	1.96	70%	14 - 140	11C6845	NUC4453-01	03/30/11 11:10
Chrysene	ND	1.34		mg/kg dry	1.96	68%	28 - 123	11C6845	NUC4453-01	03/30/11 11:10
Dibenz (a,h) anthracene	ND	1.58		mg/kg dry	1.96	80%	25 - 127	11C6845	NUC4453-01	03/30/11 11:10

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUC4497
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	03/26/11 08:25

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										
11C6845-MS1										
Fluoranthene	ND	1.47		mg/kg dry	1.96	75%	38 - 120	11C6845	NUC4453-01	03/30/11 11:10
Fluorene	ND	1.45		mg/kg dry	1.96	74%	41 - 120	11C6845	NUC4453-01	03/30/11 11:10
Indeno (1,2,3-cd) pyrene	ND	1.59		mg/kg dry	1.96	81%	25 - 123	11C6845	NUC4453-01	03/30/11 11:10
Naphthalene	ND	1.48		mg/kg dry	1.96	75%	25 - 120	11C6845	NUC4453-01	03/30/11 11:10
Phenanthrene	ND	1.49		mg/kg dry	1.96	76%	37 - 120	11C6845	NUC4453-01	03/30/11 11:10
Pyrene	ND	1.27		mg/kg dry	1.96	65%	29 - 125	11C6845	NUC4453-01	03/30/11 11:10
1-Methylnaphthalene	ND	1.26		mg/kg dry	1.96	64%	19 - 120	11C6845	NUC4453-01	03/30/11 11:10
2-Methylnaphthalene	ND	1.38		mg/kg dry	1.96	70%	11 - 120	11C6845	NUC4453-01	03/30/11 11:10
Surrogate: Terphenyl-d14		1.02		mg/kg dry	1.96	52%	18 - 120	11C6845	NUC4453-01	03/30/11 11:10
Surrogate: 2-Fluorobiphenyl		1.23		mg/kg dry	1.96	63%	14 - 120	11C6845	NUC4453-01	03/30/11 11:10
Surrogate: Nitrobenzene-d5		1.30		mg/kg dry	1.96	66%	17 - 120	11C6845	NUC4453-01	03/30/11 11:10

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUC4497
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	03/26/11 08:25

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												
11C5756-MSD1												
Benzene	0.00806	0.0506		mg/kg wet	0.0473	90%	42 - 141	0.2	50	11C5756	NUC3836-05	03/30/11 21:24
Ethylbenzene	0.00176	0.0464		mg/kg wet	0.0473	94%	21 - 165	0.7	50	11C5756	NUC3836-05	03/30/11 21:24
Naphthalene	ND	0.0342		mg/kg wet	0.0473	72%	10 - 160	17	50	11C5756	NUC3836-05	03/30/11 21:24
Toluene	0.0169	0.0620		mg/kg wet	0.0473	95%	45 - 145	8	50	11C5756	NUC3836-05	03/30/11 21:24
Xylenes, total	0.0219	0.156		mg/kg wet	0.142	94%	31 - 159	2	50	11C5756	NUC3836-05	03/30/11 21:24
Surrogate: 1,2-Dichloroethane-d4		56.2		ug/kg	50.0	112%	67 - 138			11C5756	NUC3836-05	03/30/11 21:24
Surrogate: Dibromofluoromethane		51.4		ug/kg	50.0	103%	75 - 125			11C5756	NUC3836-05	03/30/11 21:24
Surrogate: Toluene-d8		51.9		ug/kg	50.0	104%	76 - 129			11C5756	NUC3836-05	03/30/11 21:24
Surrogate: 4-Bromofluorobenzene		52.6		ug/kg	50.0	105%	67 - 147			11C5756	NUC3836-05	03/30/11 21:24
11C7723-MSD1												
Benzene	ND	3.28		mg/kg dry	3.00	109%	42 - 141	0.05	50	11C7723	NUC4497-06R E1	03/31/11 19:34
Ethylbenzene	0.125	3.71		mg/kg dry	3.00	119%	21 - 165	0.9	50	11C7723	NUC4497-06R E1	03/31/11 19:34
Naphthalene	1.02	4.47		mg/kg dry	3.00	115%	10 - 160	7	50	11C7723	NUC4497-06R E1	03/31/11 19:34
Toluene	ND	3.42		mg/kg dry	3.00	114%	45 - 145	2	50	11C7723	NUC4497-06R E1	03/31/11 19:34
Xylenes, total	0.658	11.4		mg/kg dry	9.01	119%	31 - 159	1	50	11C7723	NUC4497-06R E1	03/31/11 19:34
Surrogate: 1,2-Dichloroethane-d4		51.9		ug/kg	50.0	104%	67 - 138			11C7723	NUC4497-06R E1	03/31/11 19:34
Surrogate: Dibromofluoromethane		48.0		ug/kg	50.0	96%	75 - 125			11C7723	NUC4497-06R E1	03/31/11 19:34
Surrogate: Toluene-d8		50.6		ug/kg	50.0	101%	76 - 129			11C7723	NUC4497-06R E1	03/31/11 19:34
Surrogate: 4-Bromofluorobenzene		48.3		ug/kg	50.0	97%	67 - 147			11C7723	NUC4497-06R E1	03/31/11 19:34
Polyaromatic Hydrocarbons by EPA 8270D												
11C6845-MSD1												
Acenaphthene	ND	1.34		mg/kg dry	1.96	68%	42 - 120	3	40	11C6845	NUC4453-01	03/30/11 11:28
Acenaphthylene	ND	1.43		mg/kg dry	1.96	73%	32 - 120	2	30	11C6845	NUC4453-01	03/30/11 11:28
Anthracene	ND	1.54		mg/kg dry	1.96	78%	10 - 200	1	50	11C6845	NUC4453-01	03/30/11 11:28
Benzo (a) anthracene	ND	1.33		mg/kg dry	1.96	68%	41 - 120	2	30	11C6845	NUC4453-01	03/30/11 11:28
Benzo (a) pyrene	ND	1.43		mg/kg dry	1.96	73%	33 - 121	2	33	11C6845	NUC4453-01	03/30/11 11:28
Benzo (b) fluoranthene	ND	1.39		mg/kg dry	1.96	71%	26 - 137	5	42	11C6845	NUC4453-01	03/30/11 11:28
Benzo (g,h,i) perylene	ND	1.35		mg/kg dry	1.96	69%	21 - 124	11	32	11C6845	NUC4453-01	03/30/11 11:28
Benzo (k) fluoranthene	ND	1.33		mg/kg dry	1.96	68%	14 - 140	4	39	11C6845	NUC4453-01	03/30/11 11:28
Chrysene	ND	1.28		mg/kg dry	1.96	66%	28 - 123	4	34	11C6845	NUC4453-01	03/30/11 11:28
Dibenz (a,h) anthracene	ND	1.38		mg/kg dry	1.96	70%	25 - 127	14	31	11C6845	NUC4453-01	03/30/11 11:28
Fluoranthene	ND	1.53		mg/kg dry	1.96	78%	38 - 120	4	35	11C6845	NUC4453-01	03/30/11 11:28
Fluorene	ND	1.37		mg/kg dry	1.96	70%	41 - 120	6	37	11C6845	NUC4453-01	03/30/11 11:28
Indeno (1,2,3-cd) pyrene	ND	1.42		mg/kg dry	1.96	73%	25 - 123	11	32	11C6845	NUC4453-01	03/30/11 11:28

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUC4497
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	03/26/11 08:25

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												
11C6845-MSD1												
Naphthalene	ND	1.42		mg/kg dry	1.96	72%	25 - 120	4	42	11C6845	NUC4453-01	03/30/11 11:28
Phenanthrene	ND	1.42		mg/kg dry	1.96	72%	37 - 120	5	32	11C6845	NUC4453-01	03/30/11 11:28
Pyrene	ND	1.25		mg/kg dry	1.96	64%	29 - 125	2	40	11C6845	NUC4453-01	03/30/11 11:28
1-Methylnaphthalene	ND	1.25		mg/kg dry	1.96	64%	19 - 120	1	45	11C6845	NUC4453-01	03/30/11 11:28
2-Methylnaphthalene	ND	1.36		mg/kg dry	1.96	69%	11 - 120	1	50	11C6845	NUC4453-01	03/30/11 11:28
Surrogate: Terphenyl-d14		0.994		mg/kg dry	1.96	51%	18 - 120			11C6845	NUC4453-01	03/30/11 11:28
Surrogate: 2-Fluorobiphenyl		1.21		mg/kg dry	1.96	62%	14 - 120			11C6845	NUC4453-01	03/30/11 11:28
Surrogate: Nitrobenzene-d5		1.23		mg/kg dry	1.96	63%	17 - 120			11C6845	NUC4453-01	03/30/11 11:28

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUC4497
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	03/26/11 08:25

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			

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUC4497
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	03/26/11 08:25

DATA QUALIFIERS AND DEFINITIONS

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.
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

NUC4497
04/11/11 23:59

TestAmerica

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

Phone: 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?

Compliance Monitoring? Yes ____ No ____

Enforcement Action? Yes ____ No ____

Client Name/Account #: EEG # 2449
Address: 10179 Highway 78
City/State/Zip: Ladson, SC 29456
Project Manager: Tom McElwee email: mcelwee@eeginc.net
Telephone Number: 843.412.2097 Fax No.: (843) 879-0401
Sampler Name: (Print) Prath Shaw
Sampler Signature:

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: Ice	HNO3 (Red Label)	HCl (Blue Label) Sodium Bisulfate	NaOH (Orange Label)	H2SO4 Plastic (Yellow Label)	H2SO4 Glass (Yellow Label)	None (Black Label)	Other (Specify) Methanol	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	Analyze For: BTEX + Napth - 8260B	PAH - 8270D										RUSH TAT (Pre-Schedule)	Standard TAT	Fax Results	Send QC with report
1010 Foxglove	3/21/11	1415	5	X					2				2	1					X		X	X						NUC4497-01							
1071 Heather	3/22/11	0945	5	X					2				2	1					X		X	X							02						
1068 Gardenia	3/22/11	1500	5	X					2				2	1					X		X	X							03						
1039 Iris	3/23/11	1045	5	X					2				2	1					X		X	X							04						
1100 Iris	3/23/11	1515	5	X					2				2	1					X		X	X							05						
1101 Iris	3/24/11	1115	5	X					2				2	1					X		X	X							06						
1105 Iris	3/24/11	1600	5	X					2				2	1					X		X	X							07						

Special Instructions:

Method of Shipment: FEDEX

Relinquished by:	Date	Time	Received by:	Date	Time
	3/25/11	0900	FedEx		
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time
				3/26/11	0825

Laboratory Comments:
Temperature Upon Receipt: 1.4c
VOCs Free of Headspace? Y N

ATTACHMENT A

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of 1	

GENERATOR

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 00316809
B. State Generator's ID:

5. Transporter 1 Company Name
EEG, INC.

6. US EPA ID Number

C. State Transporter's ID:
D. Transporter's Phone: 843-879-0411

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
HICKORY HILL LANDFILL
2621 LOW COUNTRY ROAD
RIDGELAND, SC 29936

10. US EPA ID Number

G. State Facility ID:
H. State Facility Phone: 843-987-4643

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. HEATING OIL TANKS FILLED WITH SAND WM Profile # 102655SC		20Y	8.90 TON		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

K. Disposal Location
Cell | Level
Grid

15. Special Handling Instructions and Additional Information
UST's from 1) 1100 IRIS ✓ 2) 1101 IRIS ✓ 3) 1105 IRIS ✓ 4) 1372 DOVE ✓ 5) 1364 CARDINAL-21 6) 1430 DOVE ✓

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	Signature "On behalf of"	Month	Day	Year
Charles H. Herron	Charles H. Herron	5	11	11

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
JAMES Baldwin	James Baldwin	5	12	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	Signature	Month	Day	Year
Toni Cofield	Toni Cofield	5	12	11

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Blue- GENERATOR #2 COPY
Yellow- GENERATOR #1 COPY
Pink- FACILITY USE ONLY
Gold- TRANSPORTER #1 COPY

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

1100 Iris 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

	1100Iris-2				
A. Product...(ex. Gas, Kerosene).....	Heating oil				
B. Capacity..(ex. 1k, 2k).....	280 gal				
C. Age.....	Late 1950s				
D. Construction Material..(ex. Steel, FRP).....	Steel				
E. Month/Year of Last Use.....	Mid 1980s				
F. Depth (ft.) To Base of Tank.....	6'				
G. Spill Prevention Equipment Y/N.....	No				
H. Overfill Prevention Equipment Y/N.....	No				
I. Method of Closure Removed/Filled.....	Removed				
J. Date Tanks Removed/Filled.....	8/18/2015				
K. Visible Corrosion or Pitting Y/N.....	Yes				
L. Visible Holes Y/N.....	Yes				

M. Method of disposal for any USTs removed from the ground (attach disposal manifests)
UST 1100Iris-2 was removed from the ground, cleaned and recycled. 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 1100Iris-2 and disposed by MCAS.

O. If any corrosion, pitting, or holes were observed, describe the location and extent for each UST
Corrosion, pitting and holes were found throughout the tank.

VII. PIPING INFORMATION

	1100Iris-2				
A. Construction Material..(ex. Steel, FRP).....	Steel & Copper				
B. Distance from UST to Dispenser.....	N/A				
C. Number of Dispensers.....	N/A				
D. Type of System Pressure or Suction.....	Suction				
E. Was Piping Removed from the Ground? Y/N	No				
F. Visible Corrosion or Pitting Y/N.....	Yes				
G. Visible Holes Y/N.....	No				
H. Age.....	Late 1950s				

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

Corrosion and pitting were found on the surface of the steel vent pipe. The copper supply and return lines were sound.

VIII. BRIEF SITE DESCRIPTION AND HISTORY

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

UST 1100Iris-2 is the second tank removed from this residence.

IX. SITE CONDITIONS

	Yes	No	Unk
A. Were any petroleum-stained or contaminated soils found in the UST excavation, soil borings, trenches, or monitoring wells? If yes, indicate depth and location on the site map.		X	
B. Were any petroleum odors detected in the excavation, soil borings, trenches, or monitoring wells? If yes, indicate location on site map and describe the odor (strong, mild, etc.)		X	
C. Was water present in the UST excavation, soil borings, or trenches? If yes, how far below land surface (indicate location and depth)?		X	
D. Did contaminated soils remain stockpiled on site after closure? If yes, indicate the stockpile location on the site map. Name of DHEC representative authorizing soil removal:		X	
E. Was a petroleum sheen or free product detected on any excavation or boring waters? If yes, indicate location and thickness.		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 #
1100 Iris-2	Excav at fill end	Soil	Sandy	6'	8/18/15 1200 hrs	P. Shaw	
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

* = Depth Below the Surrounding Land Surface

XI. SAMPLING METHODOLOGY

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

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

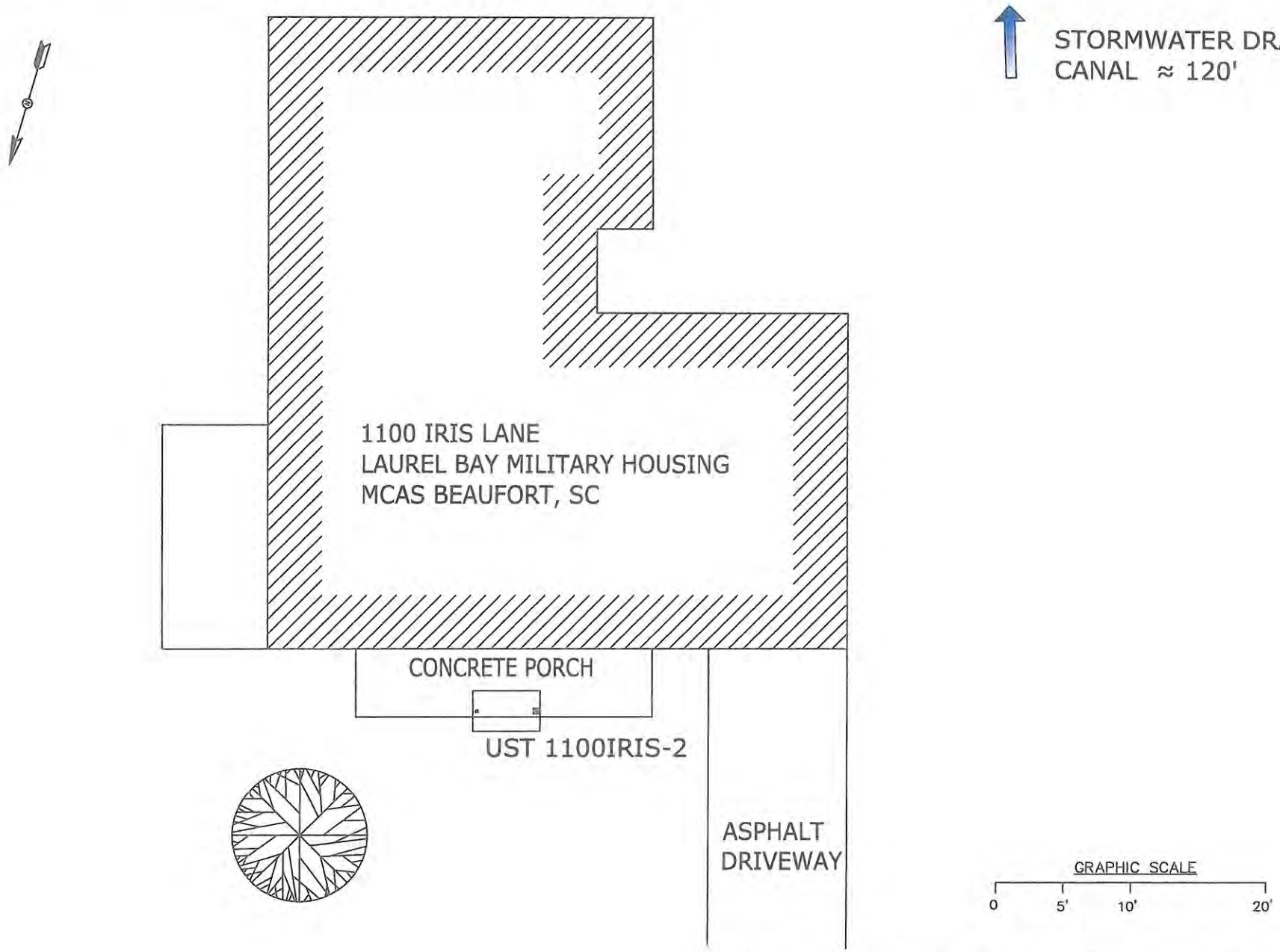
XII. RECEPTORS

		Yes	No
A.	Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the UST system? *~120' to stormwater canal If yes, indicate type of receptor, distance, and direction on site map.	*X	
B.	Are there any public, private, or irrigation water supply wells within 1000 feet of the UST system? If yes, indicate type of well, distance, and direction on site map.		X
C.	Are there any underground structures (e.g., basements) Located within 100 feet of the UST system? If yes, indicate type of structure, distance, and direction on site map.		X
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? *Sewer, water, electricity, cable & fiber optic If yes, indicate the type of utility, distance, and direction on the site map.	*X	
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? If yes, indicate the area of contaminated soil on the site map.		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)

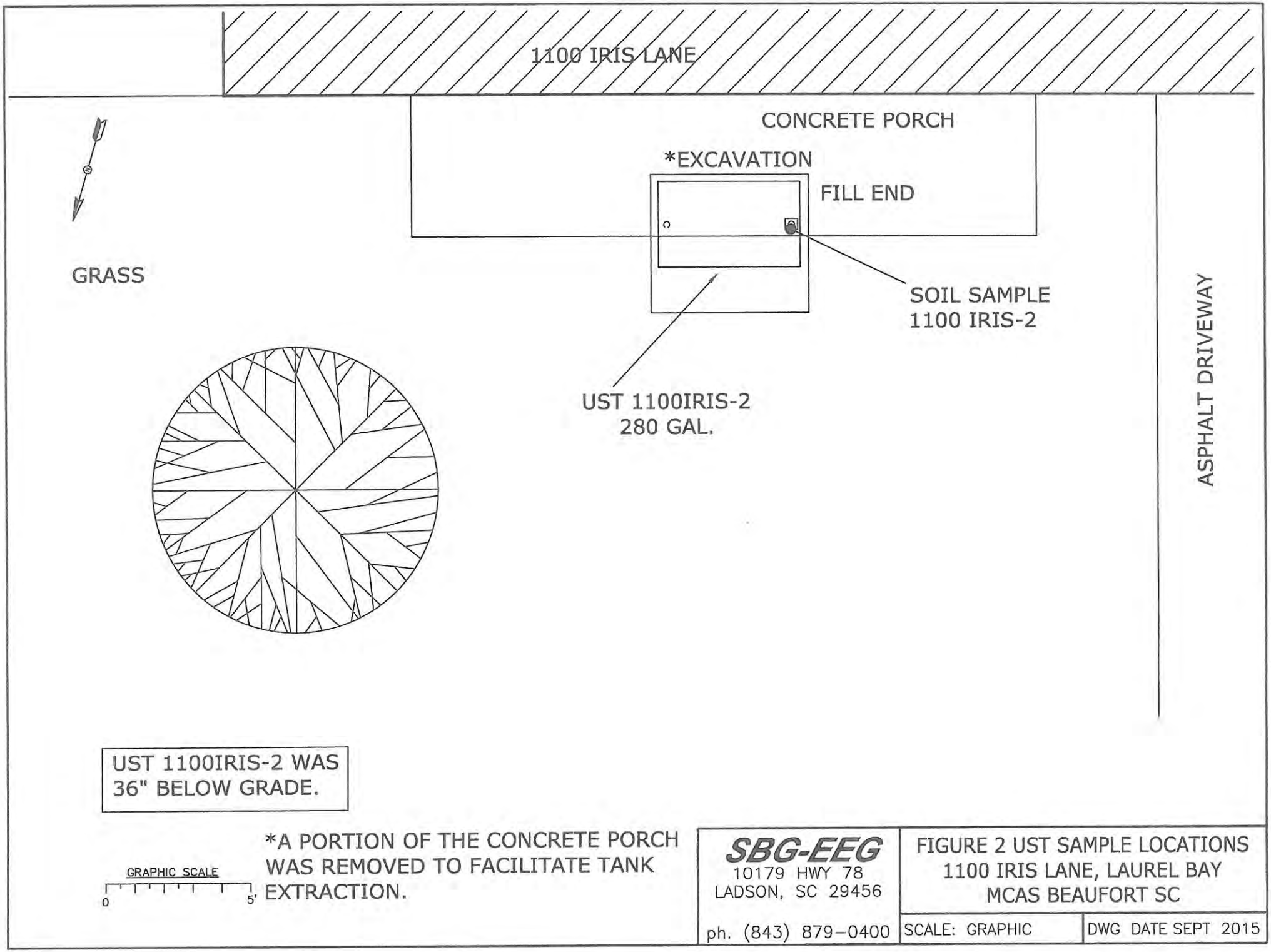


SBG-EEG
10179 HWY 78
LADSON, SC 29456
ph. (843) 879–0400

FIGURE 1 SITE MAP
1100 IRIS LANE, LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC

DWG DATE SEPT 2015



SBG-EEG
10179 HWY 78
LADSON, SC 29456
ph. (843) 879-0400

FIGURE 2 UST SAMPLE LOCATIONS
1100 IRIS LANE, LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC | DWG DATE SEPT 2015

Picture 1: Location of UST 1100Iris-2.

Picture 2: Tank excavation.

Picture 3: Site after completion of tank removal.

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	1100Iris-2						
Benzene	ND						
Toluene	0.00712 mg/kg						
Ethylbenzene	0.00219 mg/kg						
Xylenes	0.0106 mg/kg						
Naphthalene	0.00653 mg/kg						
Benzo (a) anthracene	ND						
Benzo (b) fluoranthene	ND						
Benzo (k) fluoranthene	ND						
Chrysene	ND						
Dibenz (a, h) anthracene	ND						
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)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Tel: (615)726-0177

TestAmerica Job ID: 490-85844-1
Client Project/Site: Laurel Bay Housing Project
Revision: 1

For:
Small Business Group Inc.
10179 Highway 78
Ladson, South Carolina 29456

Attn: Tom McElwee

Authorized for release by:
9/4/2015 2:36:21 PM

Ken Hayes, Project Manager II
(615)301-5035
ken.hayes@testamericainc.com

LINKS

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Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

Table of Contents

Sample Summary

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-85844-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-85844-1	1387 Dove	Soil	08/17/15 14:30	08/22/15 10:45
490-85844-2	1100 Iris-2	Soil	08/18/15 12:00	08/22/15 10:45

Case Narrative

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-85844-1

Job ID: 490-85844-1

Laboratory: TestAmerica Nashville

4

Narrative

Job Narrative
490-85844-1

REVISED REPORT: Revised to correct the sample date on 1100 Iris - 2 (490-85844-2) to 08/18/15 as listed on the chain of custody. This report replaces the one generated on 08/31/15 @ 1239.

Comments
No additional comments.

Receipt
The samples were received on 8/22/2015 10:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.0° C.

GC/MS VOA
Method(s) 8260B: Surrogate recovery for the following sample was outside control limits: 1387 Dove (490-85844-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with analytical batch 490-277520.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method(s) 8270D: The following sample was diluted due to the nature of the sample matrix: (LCS 490-276378/2-A). As such, surrogate and MS/MSD spike recoveries were diluted out and are not reported.

Method(s) 8270D: The following sample was diluted due to the nature of the sample matrix: 1387 Dove (490-85844-1). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-85844-1

Client Sample ID: 1387 Dove

Date Collected: 08/17/15 14:30
Date Received: 08/22/15 10:45

Lab Sample ID: 490-85844-1

Matrix: Soil

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00251	0.000840	mg/Kg		08/17/15 14:30	08/30/15 10:35	1
Ethylbenzene	0.00516		0.00251	0.000840	mg/Kg		08/17/15 14:30	08/30/15 10:35	1
Naphthalene	0.0172		0.00627	0.00213	mg/Kg		08/17/15 14:30	08/30/15 10:35	1
Toluene	0.0122		0.00251	0.000928	mg/Kg		08/17/15 14:30	08/30/15 10:35	1
Xylenes, Total	0.0274		0.00627	0.00154	mg/Kg		08/17/15 14:30	08/30/15 10:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*80*		*70 - 130*	*08/17/15 14:30*	*08/30/15 10:35*	*1*
4-Bromofluorobenzene (Surr)	*131*	*X*	*70 - 130*	*08/17/15 14:30*	*08/30/15 10:35*	*1*
Dibromofluoromethane (Surr)	*94*		*70 - 130*	*08/17/15 14:30*	*08/30/15 10:35*	*1*
Toluene-d8 (Surr)	*108*		*70 - 130*	*08/17/15 14:30*	*08/30/15 10:35*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.332	0.0495	mg/Kg		08/26/15 12:14	08/27/15 14:13	5
Acenaphthylene	ND		0.332	0.0446	mg/Kg		08/26/15 12:14	08/27/15 14:13	5
Anthracene	ND		0.332	0.0446	mg/Kg		08/26/15 12:14	08/27/15 14:13	5
Benzo[a]anthracene	ND		0.332	0.0743	mg/Kg		08/26/15 12:14	08/27/15 14:13	5
Benzo[a]pyrene	ND		0.332	0.0594	mg/Kg		08/26/15 12:14	08/27/15 14:13	5
Benzo[b]fluoranthene	ND		0.332	0.0594	mg/Kg		08/26/15 12:14	08/27/15 14:13	5
Benzo[g,h,i]perylene	ND		0.332	0.0446	mg/Kg		08/26/15 12:14	08/27/15 14:13	5
Benzo[k]fluoranthene	ND		0.332	0.0693	mg/Kg		08/26/15 12:14	08/27/15 14:13	5
1-Methylnaphthalene	0.179	J	0.332	0.0693	mg/Kg		08/26/15 12:14	08/27/15 14:13	5
Pyrene	ND		0.332	0.0594	mg/Kg		08/26/15 12:14	08/27/15 14:13	5
Phenanthrene	ND		0.332	0.0446	mg/Kg		08/26/15 12:14	08/27/15 14:13	5
Chrysene	ND		0.332	0.0446	mg/Kg		08/26/15 12:14	08/27/15 14:13	5
Dibenz(a,h)anthracene	ND		0.332	0.0347	mg/Kg		08/26/15 12:14	08/27/15 14:13	5
Fluoranthene	ND		0.332	0.0446	mg/Kg		08/26/15 12:14	08/27/15 14:13	5
Fluorene	ND		0.332	0.0594	mg/Kg		08/26/15 12:14	08/27/15 14:13	5
Indeno[1,2,3-cd]pyrene	ND		0.332	0.0495	mg/Kg		08/26/15 12:14	08/27/15 14:13	5
Naphthalene	ND		0.332	0.0446	mg/Kg		08/26/15 12:14	08/27/15 14:13	5
2-Methylnaphthalene	0.249	J	0.332	0.0792	mg/Kg		08/26/15 12:14	08/27/15 14:13	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*62*		*29 - 120*	*08/26/15 12:14*	*08/27/15 14:13*	*5*
Terphenyl-d14 (Surr)	*65*		*13 - 120*	*08/26/15 12:14*	*08/27/15 14:13*	*5*
Nitrobenzene-d5 (Surr)	*56*		*27 - 120*	*08/26/15 12:14*	*08/27/15 14:13*	*5*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	92		0.10	0.10	%			08/25/15 09:19	1

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-85844-1

Client Sample ID: 1100 Iris-2

Date Collected: 08/18/15 12:00
Date Received: 08/22/15 10:45

Lab Sample ID: 490-85844-2

Matrix: Soil

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00213	0.000714	mg/Kg		08/17/15 12:00	08/30/15 11:02	1
Ethylbenzene	0.00219		0.00213	0.000714	mg/Kg		08/17/15 12:00	08/30/15 11:02	1
Naphthalene	0.00653		0.00533	0.00181	mg/Kg		08/17/15 12:00	08/30/15 11:02	1
Toluene	0.00712		0.00213	0.000789	mg/Kg		08/17/15 12:00	08/30/15 11:02	1
Xylenes, Total	0.0106		0.00533	0.00131	mg/Kg		08/17/15 12:00	08/30/15 11:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*81*		*70 - 130*	*08/17/15 12:00*	*08/30/15 11:02*	*1*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*08/17/15 12:00*	*08/30/15 11:02*	*1*
Dibromofluoromethane (Surr)	*94*		*70 - 130*	*08/17/15 12:00*	*08/30/15 11:02*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*	*08/17/15 12:00*	*08/30/15 11:02*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0658	0.00982	mg/Kg		08/26/15 12:14	08/27/15 14:37	1
Acenaphthylene	ND		0.0658	0.00884	mg/Kg		08/26/15 12:14	08/27/15 14:37	1
Anthracene	ND		0.0658	0.00884	mg/Kg		08/26/15 12:14	08/27/15 14:37	1
Benzo[a]anthracene	ND		0.0658	0.0147	mg/Kg		08/26/15 12:14	08/27/15 14:37	1
Benzo[a]pyrene	ND		0.0658	0.0118	mg/Kg		08/26/15 12:14	08/27/15 14:37	1
Benzo[b]fluoranthene	ND		0.0658	0.0118	mg/Kg		08/26/15 12:14	08/27/15 14:37	1
Benzo[g,h,i]perylene	ND		0.0658	0.00884	mg/Kg		08/26/15 12:14	08/27/15 14:37	1
Benzo[k]fluoranthene	ND		0.0658	0.0138	mg/Kg		08/26/15 12:14	08/27/15 14:37	1
1-Methylnaphthalene	ND		0.0658	0.0138	mg/Kg		08/26/15 12:14	08/27/15 14:37	1
Pyrene	ND		0.0658	0.0118	mg/Kg		08/26/15 12:14	08/27/15 14:37	1
Phenanthrene	ND		0.0658	0.00884	mg/Kg		08/26/15 12:14	08/27/15 14:37	1
Chrysene	ND		0.0658	0.00884	mg/Kg		08/26/15 12:14	08/27/15 14:37	1
Dibenz(a,h)anthracene	ND		0.0658	0.00688	mg/Kg		08/26/15 12:14	08/27/15 14:37	1
Fluoranthene	ND		0.0658	0.00884	mg/Kg		08/26/15 12:14	08/27/15 14:37	1
Fluorene	ND		0.0658	0.0118	mg/Kg		08/26/15 12:14	08/27/15 14:37	1
Indeno[1,2,3-cd]pyrene	ND		0.0658	0.00982	mg/Kg		08/26/15 12:14	08/27/15 14:37	1
Naphthalene	ND		0.0658	0.00884	mg/Kg		08/26/15 12:14	08/27/15 14:37	1
2-Methylnaphthalene	ND		0.0658	0.0157	mg/Kg		08/26/15 12:14	08/27/15 14:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*40*		*29 - 120*	*08/26/15 12:14*	*08/27/15 14:37*	*1*
Terphenyl-d14 (Surr)	*46*		*13 - 120*	*08/26/15 12:14*	*08/27/15 14:37*	*1*
Nitrobenzene-d5 (Surr)	*37*		*27 - 120*	*08/26/15 12:14*	*08/27/15 14:37*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	83		0.10	0.10	%			08/25/15 09:19	1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 490-277520/7
Matrix: Solid
Analysis Batch: 277520

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00200	0.000670	mg/Kg			08/30/15 06:28	1
Ethylbenzene	ND		0.00200	0.000670	mg/Kg			08/30/15 06:28	1
Naphthalene	ND		0.00500	0.00170	mg/Kg			08/30/15 06:28	1
Toluene	ND		0.00200	0.000740	mg/Kg			08/30/15 06:28	1
Xylenes, Total	ND		0.00500	0.00123	mg/Kg			08/30/15 06:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*70 - 130*		*08/30/15 06:28*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*08/30/15 06:28*	*1*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*08/30/15 06:28*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*08/30/15 06:28*	*1*

Lab Sample ID: LCS 490-277520/3
Matrix: Solid
Analysis Batch: 277520

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.04993		mg/Kg		100	75 - 127
Ethylbenzene	0.0500	0.04274		mg/Kg		85	80 - 134
Naphthalene	0.0500	0.05080		mg/Kg		102	69 - 150
Toluene	0.0500	0.04126		mg/Kg		83	80 - 132
Xylenes, Total	0.100	0.08594		mg/Kg		86	80 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*85*		*70 - 130*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
Dibromofluoromethane (Surr)	*97*		*70 - 130*
Toluene-d8 (Surr)	*86*		*70 - 130*

Lab Sample ID: LCSD 490-277520/4
Matrix: Solid
Analysis Batch: 277520

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.0500	0.04960		mg/Kg		99	75 - 127	1	50
Ethylbenzene	0.0500	0.04301		mg/Kg		86	80 - 134	1	50
Naphthalene	0.0500	0.05395		mg/Kg		108	69 - 150	6	50
Toluene	0.0500	0.04290		mg/Kg		86	80 - 132	4	50
Xylenes, Total	0.100	0.08584		mg/Kg		86	80 - 137	0	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*86*		*70 - 130*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
Dibromofluoromethane (Surr)	*98*		*70 - 130*
Toluene-d8 (Surr)	*86*		*70 - 130*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 490-276378/1-A
Matrix: Solid
Analysis Batch: 276714

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 276378

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0670	0.0100	mg/Kg		08/26/15 12:14	08/27/15 13:25	1
Acenaphthylene	ND		0.0670	0.00900	mg/Kg		08/26/15 12:14	08/27/15 13:25	1
Anthracene	ND		0.0670	0.00900	mg/Kg		08/26/15 12:14	08/27/15 13:25	1
Benzo[a]anthracene	ND		0.0670	0.0150	mg/Kg		08/26/15 12:14	08/27/15 13:25	1
Benzo[a]pyrene	ND		0.0670	0.0120	mg/Kg		08/26/15 12:14	08/27/15 13:25	1
Benzo[b]fluoranthene	ND		0.0670	0.0120	mg/Kg		08/26/15 12:14	08/27/15 13:25	1
Benzo[g,h,i]perylene	ND		0.0670	0.00900	mg/Kg		08/26/15 12:14	08/27/15 13:25	1
Benzo[k]fluoranthene	ND		0.0670	0.0140	mg/Kg		08/26/15 12:14	08/27/15 13:25	1
1-Methylnaphthalene	ND		0.0670	0.0140	mg/Kg		08/26/15 12:14	08/27/15 13:25	1
Pyrene	ND		0.0670	0.0120	mg/Kg		08/26/15 12:14	08/27/15 13:25	1
Phenanthrene	ND		0.0670	0.00900	mg/Kg		08/26/15 12:14	08/27/15 13:25	1
Chrysene	ND		0.0670	0.00900	mg/Kg		08/26/15 12:14	08/27/15 13:25	1
Dibenz(a,h)anthracene	ND		0.0670	0.00700	mg/Kg		08/26/15 12:14	08/27/15 13:25	1
Fluoranthene	ND		0.0670	0.00900	mg/Kg		08/26/15 12:14	08/27/15 13:25	1
Fluorene	ND		0.0670	0.0120	mg/Kg		08/26/15 12:14	08/27/15 13:25	1
Indeno[1,2,3-cd]pyrene	ND		0.0670	0.0100	mg/Kg		08/26/15 12:14	08/27/15 13:25	1
Naphthalene	ND		0.0670	0.00900	mg/Kg		08/26/15 12:14	08/27/15 13:25	1
2-Methylnaphthalene	ND		0.0670	0.0160	mg/Kg		08/26/15 12:14	08/27/15 13:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*72*		*29 - 120*	*08/26/15 12:14*	*08/27/15 13:25*	*1*
Terphenyl-d14 (Surr)	*77*		*13 - 120*	*08/26/15 12:14*	*08/27/15 13:25*	*1*
Nitrobenzene-d5 (Surr)	*70*		*27 - 120*	*08/26/15 12:14*	*08/27/15 13:25*	*1*

Lab Sample ID: LCS 490-276378/2-A
Matrix: Solid
Analysis Batch: 276714

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 276378

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthylene	1.67	1.086		mg/Kg		65	38 - 120
Anthracene	1.67	1.070		mg/Kg		64	46 - 124
Benzo[a]anthracene	1.67	1.060		mg/Kg		64	45 - 120
Benzo[a]pyrene	1.67	1.044		mg/Kg		63	45 - 120
Benzo[b]fluoranthene	1.67	0.9941		mg/Kg		60	42 - 120
Benzo[g,h,i]perylene	1.67	1.107		mg/Kg		66	38 - 120
Benzo[k]fluoranthene	1.67	1.065		mg/Kg		64	42 - 120
1-Methylnaphthalene	1.67	1.082		mg/Kg		65	32 - 120
Pyrene	1.67	1.009		mg/Kg		61	43 - 120
Phenanthrene	1.67	1.017		mg/Kg		61	45 - 120
Chrysene	1.67	1.043		mg/Kg		63	43 - 120
Dibenz(a,h)anthracene	1.67	1.104		mg/Kg		66	32 - 128
Fluoranthene	1.67	1.071		mg/Kg		64	46 - 120
Fluorene	1.67	1.051		mg/Kg		63	42 - 120
Indeno[1,2,3-cd]pyrene	1.67	1.088		mg/Kg		65	41 - 121
Naphthalene	1.67	1.034		mg/Kg		62	32 - 120
2-Methylnaphthalene	1.67	1.007		mg/Kg		60	28 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 490-276378/2-A
Matrix: Solid
Analysis Batch: 276714

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 276378

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	62		29 - 120
Terphenyl-d14 (Surr)	63		13 - 120
Nitrobenzene-d5 (Surr)	67		27 - 120

Method: Moisture - Percent Moisture

Lab Sample ID: 490-85856-J-2 DU
Matrix: Solid
Analysis Batch: 275908

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Solids	84		84		%		0.6	20

QC Association Summary

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-85844-1

GC/MS VOA

Prep Batch: 276308

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-85844-1	1387 Dove	Total/NA	Soil	5035	
490-85844-2	1100 Iris-2	Total/NA	Soil	5035	

Analysis Batch: 277520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-85844-1	1387 Dove	Total/NA	Soil	8260B	276308
490-85844-2	1100 Iris-2	Total/NA	Soil	8260B	276308
LCS 490-277520/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-277520/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-277520/7	Method Blank	Total/NA	Solid	8260B	

GC/MS Semi VOA

Prep Batch: 276378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-85844-1	1387 Dove	Total/NA	Soil	3550C	
490-85844-2	1100 Iris-2	Total/NA	Soil	3550C	
LCS 490-276378/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 490-276378/1-A	Method Blank	Total/NA	Solid	3550C	

Analysis Batch: 276714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-85844-1	1387 Dove	Total/NA	Soil	8270D	276378
490-85844-2	1100 Iris-2	Total/NA	Soil	8270D	276378
LCS 490-276378/2-A	Lab Control Sample	Total/NA	Solid	8270D	276378
MB 490-276378/1-A	Method Blank	Total/NA	Solid	8270D	276378

General Chemistry

Analysis Batch: 275908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-85844-1	1387 Dove	Total/NA	Soil	Moisture	
490-85844-2	1100 Iris-2	Total/NA	Soil	Moisture	
490-85856-J-2 DU	Duplicate	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-85844-1

Client Sample ID: 1387 Dove

Date Collected: 08/17/15 14:30
Date Received: 08/22/15 10:45

Lab Sample ID: 490-85844-1
Matrix: Soil

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.316 g	5.00 mL	276308	08/17/15 14:30	MAH	TAL NSH
Total/NA	Analysis	8260B		1	4.316 g	5.00 mL	277520	08/30/15 10:35	RP	TAL NSH
Total/NA	Prep	3550C			32.78 g	1 mL	276378	08/26/15 12:14	LDC	TAL NSH
Total/NA	Analysis	8270D		5	32.78 g	1 mL	276714	08/27/15 14:13	SNR	TAL NSH
Total/NA	Analysis	Moisture		1			275908	08/25/15 09:19	MNM	TAL NSH

Client Sample ID: 1100 Iris-2

Date Collected: 08/18/15 12:00
Date Received: 08/22/15 10:45

Lab Sample ID: 490-85844-2
Matrix: Soil

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.632 g	5.00 mL	276308	08/17/15 12:00	MAH	TAL NSH
Total/NA	Analysis	8260B		1	5.632 g	5.00 mL	277520	08/30/15 11:02	RP	TAL NSH
Total/NA	Prep	3550C			36.68 g	1 mL	276378	08/26/15 12:14	LDC	TAL NSH
Total/NA	Analysis	8270D		1	36.68 g	1 mL	276714	08/27/15 14:37	SNR	TAL NSH
Total/NA	Analysis	Moisture		1			275908	08/25/15 09:19	MNM	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-85844-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NSH
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL NSH
Moisture	Percent Moisture	EPA	TAL NSH

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Certification Summary

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-85844-1

Laboratory: TestAmerica Nashville

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
North Carolina (WW/SW)	State Program	4	387	12-31-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Soil	Percent Solids

South Carolina	State Program	4	84009 (001)	02-28-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8270D	3550C	Soil	1-Methylnaphthalene
Moisture		Soil	Percent Solids

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

490-85844 Chain of Custody

COOLER RECEIPT FORM

Cooler Received/Opened On 8/22/2015 @ 1045

1. Tracking # 9073 (last 4 digits, FedEx)

Courier: Fed-ex IR Gun ID 17960357

2. Temperature of rep. sample or temp blank when opened: 5.0 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES NO NA

If yes, how many and where: 1 Front / 1 Back

5. Were the seals intact, signed, and dated correctly? YES NO NA

6. Were custody papers inside cooler? YES NO NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES NO and Intact YES NO NA

Were these signed and dated correctly? YES NO NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES NO NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES NO NA

12. Did all container labels and tags agree with custody papers? YES NO NA

13a. Were VOA vials received? YES NO NA

b. Was there any observable headspace present in any VOA vial? YES NO NA

14. Was there a Trip Blank in this cooler? YES NO NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) MDM

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES NO NA

b. Did the bottle labels indicate that the correct preservatives were used YES NO NA

16. Was residual chlorine present? YES NO NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) MDM

17. Were custody papers properly filled out (ink, signed, etc)? YES NO NA

18. Did you sign the custody papers in the appropriate place? YES NO NA

19. Were correct containers used for the analysis requested? YES NO NA

20. Was sufficient amount of sample sent in each container? YES NO NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) MDM

I certify that I attached a label with the unique LIMS number to each container (intial) MDM

21. Were there Non-Conformance issues at login? YES NO Was a NCM generated? YES NO #_____

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 11/28/12

Loc: 490
85844

9/4/2015

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

Phone: 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?

Compliance Monitoring? Yes ____ No ____

Enforcement Action? Yes ____ No ____

Client Name/Account #: SBG - EEG # 2449

Address: 10179 Highway 78

City/State/Zip: Ladson, SC 29456

Site State: SC

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

PO#: 1406

Telephone Number: 843.412.2097 Fax No.: (843) 412-2027

TA Quote #:

Sampler Name: (Print) Pratt Shaw

Project ID: Laurel Bay Housing Project

Sampler Signature:

Project #:

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Ice	HNO3 (Red Label)	HCl (Blue Label)	NaOH (Orange Label)	H2SO4 Plastic (Yellow Label)	H2SO4 Glass(Yellow Label)	None (Black Label)	Other (Specify) MeOH	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	Analyze For: BTEX + Napth - 8260	PAH - 8270D	RUSH TAT (Pre-Schedule)	Standard TAT	Fax Results	Send QC with report
1387 Doue	8/17/15	1430	5	X					2				2	1					X		X	X				
1100 Iris - 2	8/18/15	1200	5	X					2				2	1					X		X	X				

Special Instructions:

Method of Shipment: FEDEX

Relinquished by:	Date	Time	Received by:	Date	Time
	8/21/15	1000	Fedex		
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time
				8-22-15	1045

Laboratory Comments:

Temperature Upon Receipt: 5.0c

VOCs Free of Headspace? Y N

Login Sample Receipt Checklist

Client: Small Business Group Inc.

Job Number: 490-85844-1

Login Number: 85844
List Number: 1
Creator: McBride, Mike

List Source: TestAmerica Nashville

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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 1100Iris-2, 1100 Iris 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. McElveen / 9/24/15

(Name) (Date)

Appendix C
Laboratory Analytical Report - Groundwater

CDM - AECOM
Multimedia Joint Venture

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: LAUREL BAY SAMPLING 7/28/08
Pace Project No.: 9224472

Sample: 1002 BOBWHITE A **Lab ID: 9224472018** Collected: 07/28/08 14:00 Received: 07/30/08 17:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM SPE	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3535							
Nitrobenzene-d5 (S)	52	%	50-150	1	08/03/08 00:00	08/12/08 15:59	4165-60-0	
2-Fluorobiphenyl (S)	50	%	50-150	1	08/03/08 00:00	08/12/08 15:59	321-60-8	
Terphenyl-d14 (S)	53	%	50-150	1	08/03/08 00:00	08/12/08 15:59	1718-51-0	
8260 MSV Low Level	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		08/02/08 00:29	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		08/02/08 00:29	100-41-4	
Naphthalene	ND	ug/L	1.0	1		08/02/08 00:29	91-20-3	
Toluene	ND	ug/L	1.0	1		08/02/08 00:29	108-88-3	
m&p-Xylene	ND	ug/L	2.0	1		08/02/08 00:29	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		08/02/08 00:29	95-47-6	
4-Bromofluorobenzene (S)	96	%	87-109	1		08/02/08 00:29	460-00-4	
Dibromofluoromethane (S)	97	%	85-115	1		08/02/08 00:29	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	79-120	1		08/02/08 00:29	17060-07-0	
Toluene-d8 (S)	98	%	70-120	1		08/02/08 00:29	2037-26-5	

Sample: 1100 IRIS A **Lab ID: 9224472019** Collected: 07/28/08 15:00 Received: 07/30/08 17:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM SPE	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3535							
Acenaphthene	ND	ug/L	2.0	1	08/03/08 00:00	08/12/08 16:23	83-32-9	
Acenaphthylene	ND	ug/L	1.5	1	08/03/08 00:00	08/12/08 16:23	208-96-8	
Anthracene	**0.72**	ug/L	0.050	1	08/03/08 00:00	08/12/08 16:23	120-12-7	
Benzo(a)anthracene	**0.49**	ug/L	0.10	1	08/03/08 00:00	08/12/08 16:23	56-55-3	
Benzo(a)pyrene	**0.74**	ug/L	0.20	1	08/03/08 00:00	08/12/08 16:23	50-32-8	
Benzo(b)fluoranthene	**0.78**	ug/L	0.30	1	08/03/08 00:00	08/12/08 16:23	205-99-2	
Benzo(g,h,i)perylene	**0.56**	ug/L	0.20	1	08/03/08 00:00	08/12/08 16:23	191-24-2	
Benzo(k)fluoranthene	**0.77**	ug/L	0.20	1	08/03/08 00:00	08/12/08 16:23	207-08-9	
Chrysene	**0.49**	ug/L	0.10	1	08/03/08 00:00	08/12/08 16:23	218-01-9	
Dibenz(a,h)anthracene	**0.69**	ug/L	0.20	1	08/03/08 00:00	08/12/08 16:23	53-70-3	
Fluoranthene	**0.53**	ug/L	0.30	1	08/03/08 00:00	08/12/08 16:23	206-44-0	
Fluorene	**0.72**	ug/L	0.31	1	08/03/08 00:00	08/12/08 16:23	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.66**	ug/L	0.20	1	08/03/08 00:00	08/12/08 16:23	193-39-5	
1-Methylnaphthalene	ND	ug/L	2.0	1	08/03/08 00:00	08/12/08 16:23	90-12-0	
2-Methylnaphthalene	ND	ug/L	2.0	1	08/03/08 00:00	08/12/08 16:23	91-57-6	
Naphthalene	ND	ug/L	1.5	1	08/03/08 00:00	08/12/08 16:23	91-20-3	
Phenanthrene	**0.92**	ug/L	0.20	1	08/03/08 00:00	08/12/08 16:23	85-01-8	
Pyrene	**0.37**	ug/L	0.10	1	08/03/08 00:00	08/12/08 16:23	129-00-0	
Nitrobenzene-d5 (S)	50	%	50-150	1	08/03/08 00:00	08/12/08 16:23	4165-60-0	
2-Fluorobiphenyl (S)	63	%	50-150	1	08/03/08 00:00	08/12/08 16:23	321-60-8	
Terphenyl-d14 (S)	66	%	50-150	1	08/03/08 00:00	08/12/08 16:23	1718-51-0	
8260 MSV Low Level	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		08/02/08 00:53	71-43-2	

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www.pacelabs.com

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: LAUREL BAY SAMPLING 7/28/08
Pace Project No.: 9224472

Sample: 1100 IRIS A **Lab ID: 9224472019** Collected: 07/28/08 15:00 Received: 07/30/08 17:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Ethylbenzene	ND	ug/L	1.0	1		08/02/08 00:53	100-41-4	
Naphthalene	ND	ug/L	1.0	1		08/02/08 00:53	91-20-3	
Toluene	ND	ug/L	1.0	1		08/02/08 00:53	108-88-3	
m&p-Xylene	ND	ug/L	2.0	1		08/02/08 00:53	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		08/02/08 00:53	95-47-6	
4-Bromofluorobenzene (S)	96	%	87-109	1		08/02/08 00:53	460-00-4	
Dibromofluoromethane (S)	98	%	85-115	1		08/02/08 00:53	1868-53-7	
1,2-Dichloroethane-d4 (S)	100	%	79-120	1		08/02/08 00:53	17060-07-0	
Toluene-d8 (S)	99	%	70-120	1		08/02/08 00:53	2037-26-5	

Sample: 1106 IRIS A **Lab ID: 9224472020** Collected: 07/28/08 15:20 Received: 07/30/08 17:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM SPE	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3535							
Acenaphthene	ND	ug/L	2.0	1	08/03/08 00:00	08/12/08 17:34	83-32-9	
Acenaphthylene	ND	ug/L	1.5	1	08/03/08 00:00	08/12/08 17:34	208-96-8	
Anthracene	ND	ug/L	0.050	1	08/03/08 00:00	08/12/08 17:34	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	08/03/08 00:00	08/12/08 17:34	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.20	1	08/03/08 00:00	08/12/08 17:34	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.30	1	08/03/08 00:00	08/12/08 17:34	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.20	1	08/03/08 00:00	08/12/08 17:34	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.20	1	08/03/08 00:00	08/12/08 17:34	207-08-9	
Chrysene	ND	ug/L	0.10	1	08/03/08 00:00	08/12/08 17:34	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.20	1	08/03/08 00:00	08/12/08 17:34	53-70-3	
Fluoranthene	ND	ug/L	0.30	1	08/03/08 00:00	08/12/08 17:34	206-44-0	
Fluorene	ND	ug/L	0.31	1	08/03/08 00:00	08/12/08 17:34	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.20	1	08/03/08 00:00	08/12/08 17:34	193-39-5	
1-Methylnaphthalene	ND	ug/L	2.0	1	08/03/08 00:00	08/12/08 17:34	90-12-0	
2-Methylnaphthalene	ND	ug/L	2.0	1	08/03/08 00:00	08/12/08 17:34	91-57-6	
Naphthalene	ND	ug/L	1.5	1	08/03/08 00:00	08/12/08 17:34	91-20-3	
Phenanthrene	ND	ug/L	0.20	1	08/03/08 00:00	08/12/08 17:34	85-01-8	
Pyrene	ND	ug/L	0.10	1	08/03/08 00:00	08/12/08 17:34	129-00-0	
Nitrobenzene-d5 (S)	50	%	50-150	1	08/03/08 00:00	08/12/08 17:34	4165-60-0	
2-Fluorobiphenyl (S)	60	%	50-150	1	08/03/08 00:00	08/12/08 17:34	321-60-8	
Terphenyl-d14 (S)	64	%	50-150	1	08/03/08 00:00	08/12/08 17:34	1718-51-0	
8260 MSV Low Level	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		08/02/08 01:16	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		08/02/08 01:16	100-41-4	
Naphthalene	ND	ug/L	1.0	1		08/02/08 01:16	91-20-3	
Toluene	ND	ug/L	1.0	1		08/02/08 01:16	108-88-3	
m&p-Xylene	ND	ug/L	2.0	1		08/02/08 01:16	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		08/02/08 01:16	95-47-6	
4-Bromofluorobenzene (S)	97	%	87-109	1		08/02/08 01:16	460-00-4	

Appendix D
Regulatory Correspondence

CDM - AECOM
Multimedia Joint Venture

D H E C

PROMOTE PROTECT PROSPER

13 August 2008

Beaufort Military Complex Family Housing
ATTN: Kyle Broadfoot
1510 Laurel Bay Blvd.
Beaufort, SC 29906

Re: MCAS – Laurel Bay Housing – 1100 Iris
Site ID # 03978
UST Closure Reports received 31 January 2008
Beaufort County

Dear Mr. Broadfoot:

The purpose of this letter is to verify a release of fuel oil at the referenced residence. According to information received by the Department, the source of the release is from past onsite use of fuel oil USTs. To date, initial activities by the facility have included tank removal and soil sampling. Based on the information contained in the closure report, a potential violation of the South Carolina Pollution Control Act has occurred in that there has been an unauthorized release of petroleum to the environment.

Additional assessment activities are required for this site. Specifically the Department requests that a groundwater sample be collected from this site. Please note, the Department approved a groundwater sampling proposal for Laurel Bay submitted by MCAS under separate cover dated 16 June 2008.

Should you have any questions, please contact me at 803-898-3553 (office phone), 803-898-2893 (fax) or bishopma@dhec.sc.gov.

Sincerely,

Michael Bishop, Hydrogeologist
Groundwater Quality Section
Bureau of Water

cc: Region 8 District EQC (via pdf)
MCAS, Commanding Officer, Attention: S-4 NREAO (William Drawdy) (via pdf)
Technical File

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

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

19 December 2008

Commanding Officer
ATTN: S-4 NREAO (Craig Ehde)
MCAS
PO Box 55001
Beaufort, SC 29904-5001

Re: MCAS – Laurel Bay Housing – 1100 Iris
Site ID # 03978
Groundwater Sampling Results received 6 November 2008
Beaufort County

Dear Mr. Ehde:

Per the Department's request, a groundwater sample was collected from the referenced site. The groundwater results were reported as non-detect and/or below EPA PRG's. Based on the information and analytical data submitted, the Department recognizes that MCAS has adequately addressed the known environmental contamination identified on the property to date in accordance with the approved scope of work. Consequently, no further investigation is required at this time. Please note, this statement pertains only to the portion of the site addressed in the referenced report and does not apply to other areas of the site and/or any other potential regulatory violations. Further, the Department retains the right to request further investigation if deemed necessary.

Should you have any questions, please contact me at 803-896-4179 (office phone), 803-896-6245 (fax) or cookejt@dhec.sc.gov.

Sincerely,
AST Petroleum Restoration
& Site Environmental Investigations Section
Land Revitalization Division
Bureau of Land and Waste Management
SC Dept. of Health & Environmental Control

Jan T. Cooke

Jan T. Cooke, Hydrogeologist

B. Thomas Knight, Manager

cc: Region 8 District EQC
Tri-Command Communities; Attn: Mr. Robert Bible; 600 Laurel Bay Road Beaufort, SC 29906
Technical File

D H E C
PROMOTE PROTECT PROSPER
Catherine E. Heigel, Director
Promoting and protecting the health of the public and the environment

July 1, 2015

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

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

Dear Mr. Drawdy,

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

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

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

If you have any questions, please contact me at kriegkm@dhec.sc.gov or 803-898-0255.

Sincerely,

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

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

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

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

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

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

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

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

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

dhec
Healthy People Healthy Communities.

August 3, 2016

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

RE: No Further Action
Laurel Bay Underground Storage Tank Assessment Reports
Dated July 2015, November 2015

Dear Mr. Drawdy:

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

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

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

If you have any questions, please contact me at petruslb@dhec.sc.gov or 803-898-0294.

Sincerely,

Laurel Petrus, Environmental Engineer Associate
Bureau of Land and Waste Management

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

Attachment to: Petrus to Drawdy
Subject: No Further Action
Dated August 3, 2016

Laurel Bay Underground Assessment Reports for (28 addresses/29 tanks)

No Further Action recommendation:	
309 Ash	1001 Bobwhite
477 Dogwood Tank 2	1020 Foxglove
563 Dahlia	1063 Gardenia
659 Camellia	1065 Gardenia Tank 2
1213 Cardinal	1100 Iris Tank 3*
114 Banyan	1139 Iris
158 Cypress	1141 Iris Tank 2
459 Elderberry	1174 Bobwhite
611 Dahlia	1184 Bobwhite Tank 1
656 Camellia	1184 Bobwhite Tank 2
671 Camellia	1220 Cardinal
678 Camellia	1253 Dove
724 Bluebell	1332 Albatross
732 Bluebell	1387 Dove
934 Albacore	
*1100 Iris Tank 1-NFA 12/19/2008, Tank 2-NFA 7/1/15; Paperwork for Tank 3 is labeled Tank 2	