

SUMMARY REPORT
27 AZALEA DRIVE (FORMERLY 800 AZALEA DRIVE)
LAUREL BAY MILITARY HOUSING AREA
MARINE CORPS AIR STATION BEAUFORT
BEAUFORT, SC

Revision: 0
Prepared for:

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

and



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

JUNE 2021

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Prepared by:



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

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

Table of Contents

1.0 INTRODUCTION..... 1
 1.1 BACKGROUND INFORMATION..... 1
 1.2 UST REMOVAL AND ASSESSMENT PROCESS..... 2
2.0 SAMPLING ACTIVITIES AND RESULTS..... 3
 2.1 UST REMOVAL AND SOIL SAMPLING 3
 2.2 SOIL ANALYTICAL RESULTS..... 4
3.0 PROPERTY STATUS 4
4.0 REFERENCES..... 4

Table

Table 1 Laboratory Analytical Results - Soil

Appendices

Appendix A Multi-Media Selection Process for LBMH
Appendix B UST Assesment Report
Appendix C Regulatory Correspondence

List of Acronyms

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

1.0 INTRODUCTION

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

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

This report summarizes the results the environmental investigation activities associated with the storage of home heating oil and the potential release of petroleum constituents at the referenced property. Based on the results of the investigation, a No Further Action (NFA) determination has been made by the South Carolina Department of Health and Environmental Control (SCDHEC) for 27 Azalea Drive (Formerly 800 Azalea Drive). 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 27 Azalea Drive (Formerly 800 Azalea Drive). Details regarding the soil investigation at this site are provided in the *SCDHEC UST Assessment Report – 800 Azalea Drive* (MCAS Beaufort, 2010). The UST Assessment Report is provided in Appendix B.

2.1 UST Removal and Soil Sampling

On May 26, 2010, a single 280 gallon heating oil UST was removed from the front yard adjacent to the house at 27 Azalea Drive (Formerly 800 Azalea Drive). The former UST location is indicated on Figures 2 and 3 of the UST Assessment Report (Appendix B). The UST was removed and properly disposed of (i.e., shipped offsite for recycling or transported to a landfill). There was no visual evidence (i.e., staining or sheen) of petroleum impact at the time of the UST removal. According to the UST Assessment Report (Appendix B), the depth to the base of

the UST was 6'1" bgs and a single soil sample was collected from that depth. The sample was collected from the fill port side of the former UST to represent a worst case scenario.

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

2.2 Soil Analytical Results

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

The soil sample results were submitted by MCAS Beaufort to SCDHEC utilizing SCDHEC's UST Assessment Report form (Appendix B). The results of the soil sampling at the former UST location were used by MCAS Beaufort, in consultation with SCDHEC, to determine a path forward (i.e., additional sampling or NFA) for the property. The soil results collected from 27 Azalea Drive (Formerly 800 Azalea Drive) were less than the SCDHEC RBSLs, which indicated the subsurface was not impacted by COPCs associated with the former UST at concentrations that presented a potential risk to human health and the environment.

3.0 PROPERTY STATUS

Based on the analytical results for soil, SCDHEC made the determination that NFA was required for 27 Azalea Drive (Formerly 800 Azalea Drive). This NFA determination was obtained in a letter dated May 19, 2011. SCDHEC's NFA letter is provided in Appendix C.

4.0 REFERENCES

Marine Corps Air Station Beaufort, 2010. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 800 Azalea Drive, Laurel Bay Military Housing Area*, August 2010.

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

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

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

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

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

Table

Table 1
Laboratory Analytical Results - Soil
27 Azalea Drive (Formerly 800 Azalea Drive)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs ⁽¹⁾	Results Sample Collected 05/26/10
Volatile Organic Compounds Analyzed by EPA Method 8260B (mg/kg)		
Benzene	0.003	ND
Ethylbenzene	1.15	ND
Naphthalene	0.036	ND
Toluene	0.627	ND
Xylenes, Total	13.01	ND
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (mg/kg)		
Benzo(a)anthracene	0.66	ND
Benzo(b)fluoranthene	0.66	ND
Benzo(k)fluoranthene	0.66	ND
Chrysene	0.66	ND
Dibenz(a,h)anthracene	0.66	ND

Notes:

⁽¹⁾ South Carolina Risk-Based Screening Levels from the Quality Assurance Program Plan for the Underground Storage Tank Management Division, Revision 1.0 and 1.1 (SCDHEC, May 2001 and SCDHEC, February 2011) and the Underground Storage Tank Assessment Guidelines (SCDHEC, February 2006).

Bold font indicates the analyte was detected.

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

EPA - United States Environmental Protection Agency

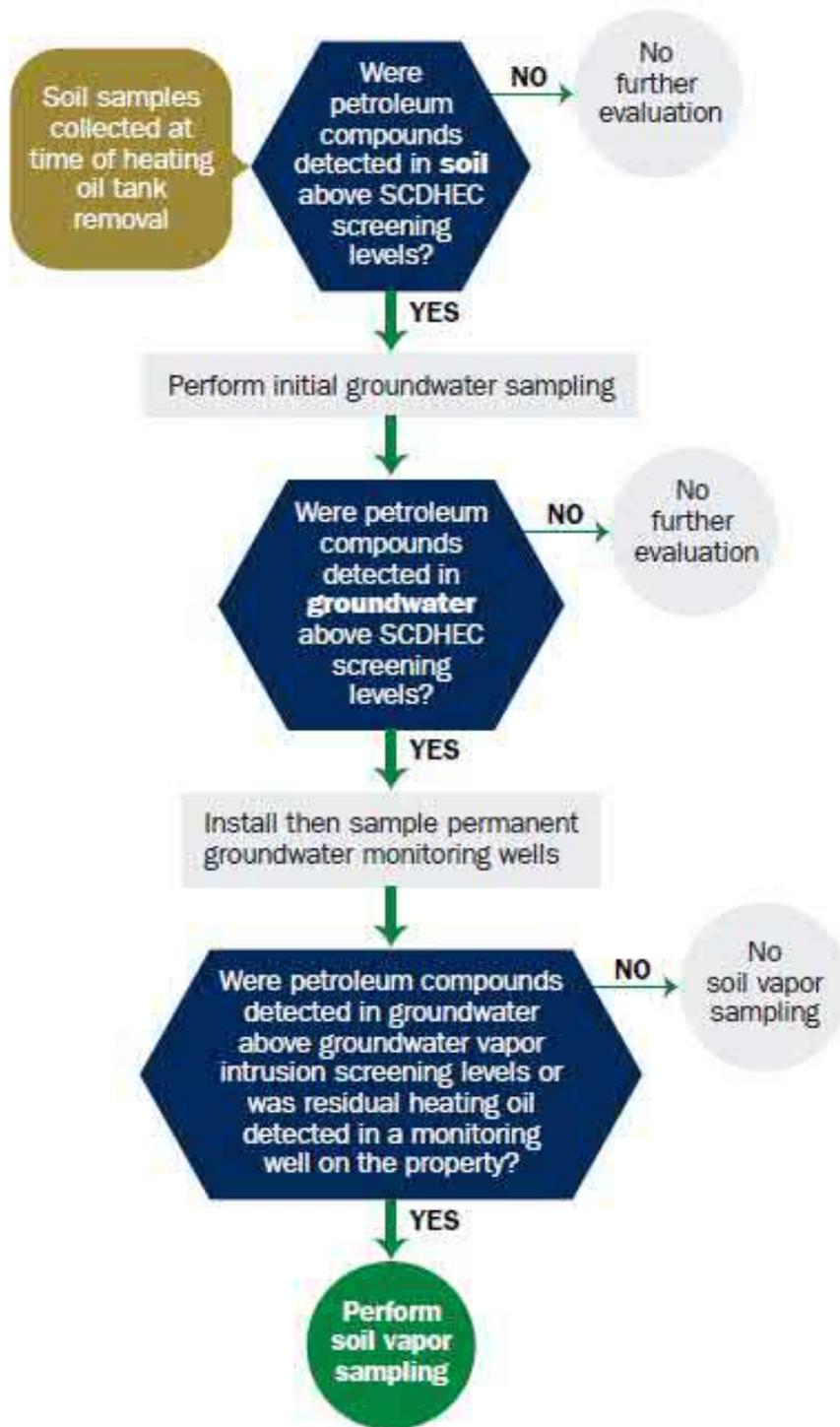
mg/kg - milligram per kilogram

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

RBSL - Risk-Based Screening Level

SCDHEC - South Carolina Department Of Health and Environmental Control

Appendix A
Multi-Media Selection Process for LBMH



Appendix A - Multi-Media Selection Process for LBMH

Appendix B
UST Assessment Report

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

Date Received	State Use Only
----------------------	-----------------------

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

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	
800 Azalea Drive, Laurel Bay Military Housing Area	
Street Address or State Road (as applicable)	
Beaufort,	Beaufort
City	County

III. INSURANCE INFORMATION

Insurance Statement

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

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

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

My policy provider is: _____
The policy deductible is: _____
The policy limit is: _____

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

IV. REQUEST FOR SUPERB FUNDING

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

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

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

Name (Type or print.)

Signature

To be completed by Notary Public:

Sworn before me this _____ day of _____, 20____

(Name)

Notary Public for the state of _____.
Please affix State seal if you are commissioned outside South Carolina

VI. UST INFORMATION

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

800Azalea				
Heating oil				
280 gal				
Late 1950s				
Steel				
Mid 1980s				
6'1"				
No				
No				
Removed				
5/26/10				
Yes				
Yes				

- M. Method of disposal for any USTs removed from the ground (attach disposal manifests)
UST 800Azalea 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 800Azalea had been previously filled with sand by others.
-
- O. If any corrosion, pitting, or holes were observed, describe the location and extent for each UST
Corrosion and pitting were present throughout the tank.

VII. PIPING INFORMATION

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

800Azalea				
Steel & Copper				
N/A				
N/A				
Suction				
Yes				
Yes				
No				
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. 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
<p>A. Were any petroleum-stained or contaminated soils found in the UST excavation, soil borings, trenches, or monitoring wells?</p> <p>If yes, indicate depth and location on the site map.</p>		X	
<p>B. Were any petroleum odors detected in the excavation, soil borings, trenches, or monitoring wells?</p> <p>If yes, indicate location on site map and describe the odor (strong, mild, etc.)</p>		X	
<p>C. Was water present in the UST excavation, soil borings, or trenches?</p> <p>If yes, how far below land surface (indicate location and depth)?</p>		X	
<p>D. Did contaminated soils remain stockpiled on site after closure?</p> <p>If yes, indicate the stockpile location on the site map.</p> <p>Name of DHEC representative authorizing soil removal:</p>		X	
<p>E. Was a petroleum sheen or free product detected on any excavation or boring waters?</p> <p>If yes, indicate location and thickness.</p>		X	

X. SAMPLE INFORMATION

A. SCDHEC Lab Certification Number 84009001

B.

Sample #	Location	Sample Type (Soil/Water)	Soil Type (Sand/Clay)	Depth*	Date/Time of Collection	Collected by	OVA #
800 Azalea	Excav at fill end	Soil	Sandy	6'1"	5/26/10 1530 hrs	P. Shaw	
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

* = Depth Below the Surrounding Land Surface

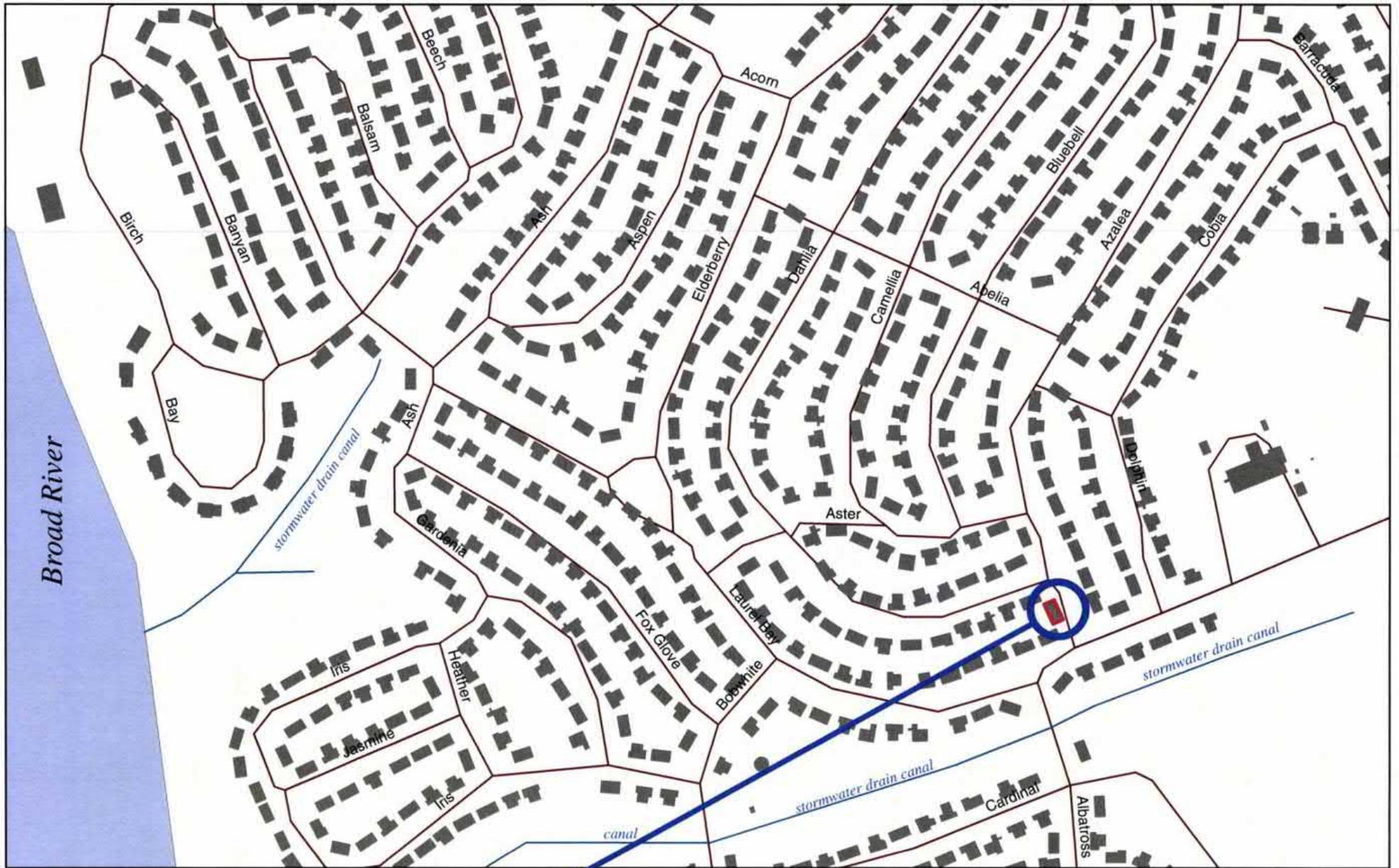
XII. RECEPTORS

	Yes	No
<p>A. Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the UST system? *~340' to stormwater drainage canal</p> <p>If yes, indicate type of receptor, distance, and direction on site map.</p>	*X	
<p>B. Are there any public, private, or irrigation water supply wells within 1000 feet of the UST system?</p> <p>If yes, indicate type of well, distance, and direction on site map.</p>		X
<p>C. Are there any underground structures (e.g., basements) Located within 100 feet of the UST system?</p> <p>If yes, indicate type of structure, distance, and direction on site map.</p>		X
<p>D. Are there any underground utilities (e.g., telephone, electricity, gas, water, sewer, storm drain) located within 100 feet of the UST system that could potentially come in contact with the contamination? *Sewer and water</p> <p>If yes, indicate the type of utility, distance, and direction on the site map.</p>	*X	
<p>E. Has contaminated soil been identified at a depth less than 3 feet below land surface in an area that is not capped by asphalt or concrete?</p> <p>If yes, indicate the area of contaminated soil on the site map.</p>		X

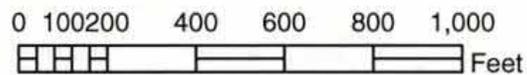
XIII. SITE MAP

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

(Attach Site Map Here)



800 AZALEA DR.



SBG-EEG, Inc.

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

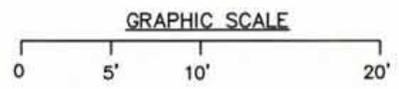
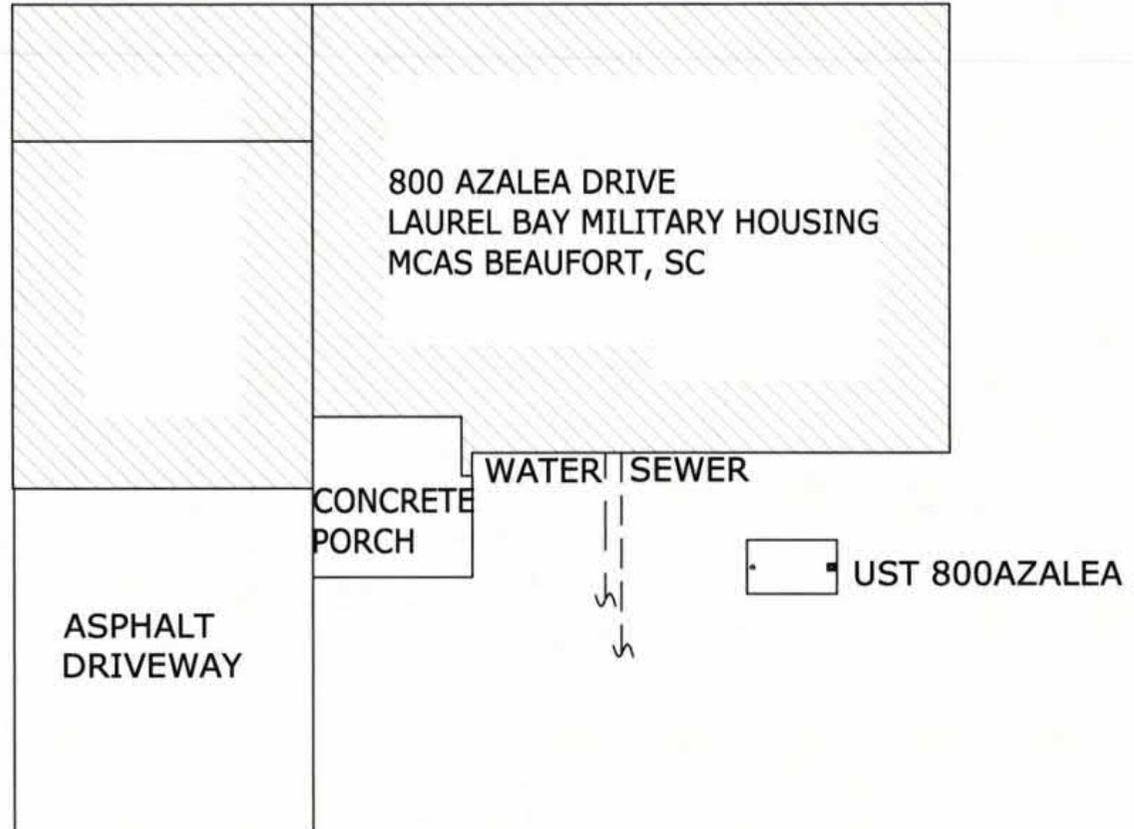
Ph. (843) 875-1930

Drawn By: L. DiAsio

Dwg Date: JUNE 2010

**FIGURE 1: LOCATION MAP
800 AZALEA DRIVE, LAUREL BAY
MCAS BEAUFORT SC**

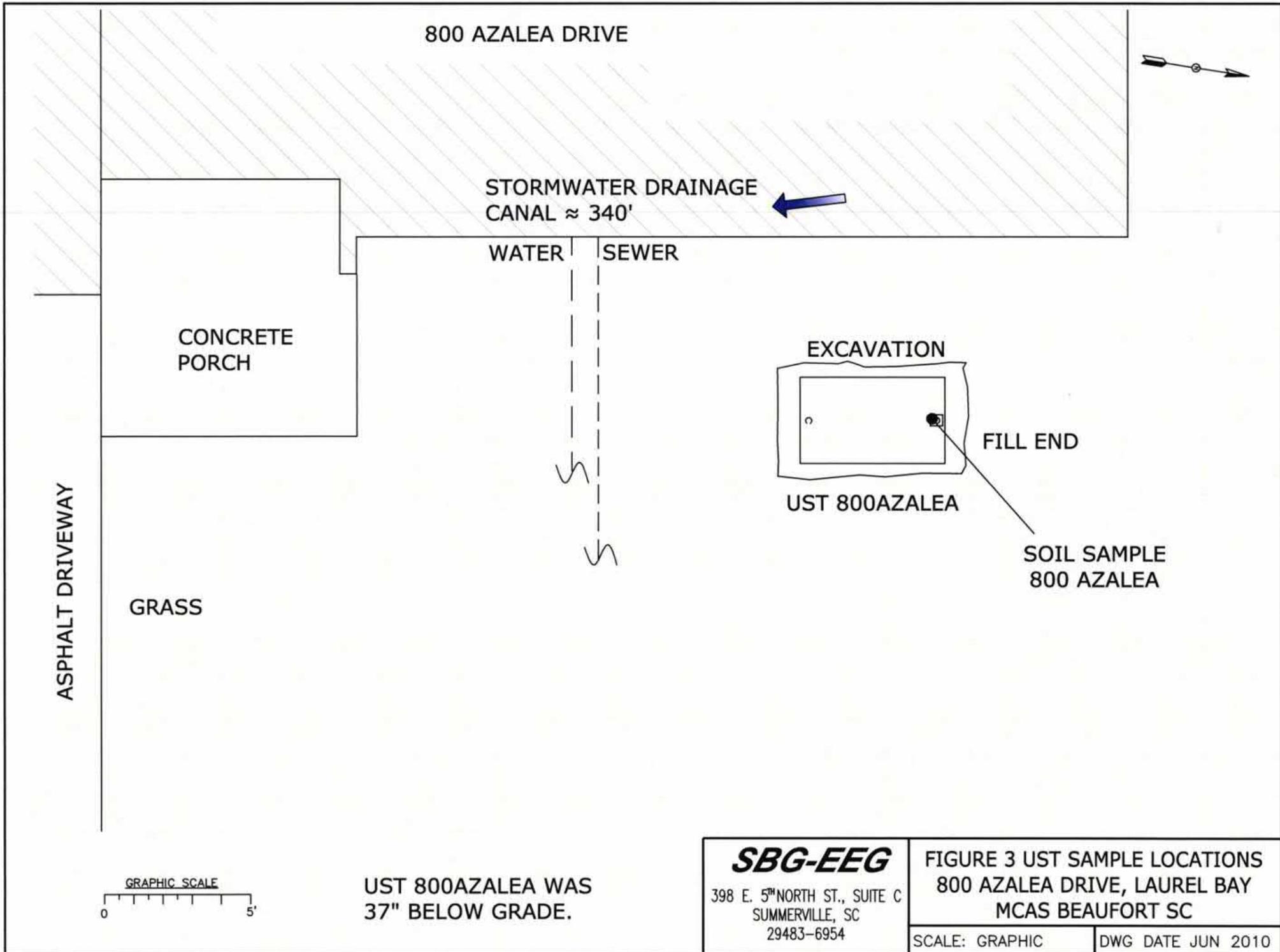
STORMWATER DRAINAGE
CANAL \approx 340'



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

FIGURE 2 SITE MAP
800 AZALEA DRIVE, LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC	DWG DATE JUN 2010
----------------	-------------------





Picture 1: Location of UST 800Azalea.



Picture 2: UST 800Azalea.

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	800Azalea						
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)

June 08, 2010

9:26:27AM

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

Work Order: NTE2939
Project Name: Laurel Bay Housing Project
Project Nbr: [none]
P/O Nbr: 0829
Date Received: 05/28/10

SAMPLE IDENTIFICATION

LAB NUMBER

COLLECTION DATE AND TIME

800 Azalea	NTE2939-01	05/26/10 15:30
808 Azalea	NTE2939-02	05/27/10 10:05
850 Dolphin	NTE2939-03	05/27/10 13:45
849 Dolphin	NTE2939-04	05/27/10 15:30

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

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

Additional Laboratory Comments:

REVISED REPORT: 06/08/10 KAH - To report 8260B analytes to the MDL. This report replaces the one generated on 06/07/10 @ 17:33.

South Carolina Certification Number: 84009001

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

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

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

Estimated uncertainty is available upon request.

This report has been electronically signed.

Report Approved By:



Ken A. Hayes

Senior Project Manager

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

Work Order: NTE2939
 Project Name: Laurel Bay Housing Project
 Project Number: [none]
 Received: 05/28/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NTE2939-01 (800 Azalea - Soil) Sampled: 05/26/10 15:30										
General Chemistry Parameters										
% Dry Solids	92.7		%	0.500	0.500	1	06/03/10 08:52	SW-846	HLB	10F0246
Volatile Organic Compounds by EPA Method 8260B										
Benzene	ND		mg/kg dry	0.000727	0.00217	1	06/04/10 13:55	SW846 8260B	KKK	10F0093
Ethylbenzene	ND		mg/kg dry	0.000727	0.00217	1	06/04/10 13:55	SW846 8260B	KKK	10F0093
Naphthalene	ND		mg/kg dry	0.00184	0.00543	1	06/04/10 13:55	SW846 8260B	KKK	10F0093
Toluene	ND		mg/kg dry	0.000434	0.00217	1	06/04/10 13:55	SW846 8260B	KKK	10F0093
Xylenes, total	ND		mg/kg dry	0.00141	0.00543	1	06/04/10 13:55	SW846 8260B	KKK	10F0093
Surr: 1,2-Dichloroethane-d4 (67-138%)	105 %					1	06/04/10 13:55	SW846 8260B	KKK	10F0093
Surr: Dibromofluoromethane (75-125%)	108 %					1	06/04/10 13:55	SW846 8260B	KKK	10F0093
Surr: Toluene-d8 (76-129%)	99 %					1	06/04/10 13:55	SW846 8260B	KKK	10F0093
Surr: 4-Bromofluorobenzene (67-147%)	116 %					1	06/04/10 13:55	SW846 8260B	KKK	10F0093
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0232	0.0707	1	06/02/10 21:02	SW846 8270D	RMC	10E4993
Acenaphthylene	ND		mg/kg dry	0.0232	0.0707	1	06/02/10 21:02	SW846 8270D	RMC	10E4993
Anthracene	ND		mg/kg dry	0.0158	0.0707	1	06/02/10 21:02	SW846 8270D	RMC	10E4993
Benzo (a) anthracene	ND		mg/kg dry	0.0137	0.0707	1	06/02/10 21:02	SW846 8270D	RMC	10E4993
Benzo (a) pyrene	ND		mg/kg dry	0.0158	0.0707	1	06/02/10 21:02	SW846 8270D	RMC	10E4993
Benzo (b) fluoranthene	ND		mg/kg dry	0.0179	0.0707	1	06/02/10 21:02	SW846 8270D	RMC	10E4993
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0148	0.0707	1	06/02/10 21:02	SW846 8270D	RMC	10E4993
Benzo (k) fluoranthene	ND		mg/kg dry	0.0201	0.0707	1	06/02/10 21:02	SW846 8270D	RMC	10E4993
Chrysene	ND		mg/kg dry	0.0158	0.0707	1	06/02/10 21:02	SW846 8270D	RMC	10E4993
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0148	0.0707	1	06/02/10 21:02	SW846 8270D	RMC	10E4993
Fluoranthene	ND		mg/kg dry	0.0148	0.0707	1	06/02/10 21:02	SW846 8270D	RMC	10E4993
Fluorene	ND		mg/kg dry	0.0137	0.0707	1	06/02/10 21:02	SW846 8270D	RMC	10E4993
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0127	0.0707	1	06/02/10 21:02	SW846 8270D	RMC	10E4993
Naphthalene	ND		mg/kg dry	0.0211	0.0707	1	06/02/10 21:02	SW846 8270D	RMC	10E4993
Phenanthrene	ND		mg/kg dry	0.0137	0.0707	1	06/02/10 21:02	SW846 8270D	RMC	10E4993
Pyrene	ND		mg/kg dry	0.0127	0.0707	1	06/02/10 21:02	SW846 8270D	RMC	10E4993
1-Methylnaphthalene	ND		mg/kg dry	0.0179	0.0707	1	06/02/10 21:02	SW846 8270D	RMC	10E4993
2-Methylnaphthalene	ND		mg/kg dry	0.0190	0.0707	1	06/02/10 21:02	SW846 8270D	RMC	10E4993
Surr: Terphenyl-d14 (18-120%)	62 %					1	06/02/10 21:02	SW846 8270D	RMC	10E4993
Surr: 2-Fluorobiphenyl (14-120%)	48 %					1	06/02/10 21:02	SW846 8270D	RMC	10E4993
Surr: Nitrobenzene-d5 (17-120%)	50 %					1	06/02/10 21:02	SW846 8270D	RMC	10E4993

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

Work Order: NTE2939
 Project Name: Laurel Bay Housing Project
 Project Number: [none]
 Received: 05/28/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NTE2939-02 (808 Azalea - Soil) Sampled: 05/27/10 10:05										
General Chemistry Parameters										
% Dry Solids	91.9		%	0.500	0.500	1	06/03/10 08:52	SW-846	HLB	10F0246
Volatile Organic Compounds by EPA Method 8260B										
Benzene	ND		mg/kg dry	0.000636	0.00190	1	06/04/10 14:26	SW846 8260B	KKK	10F0093
Ethylbenzene	ND		mg/kg dry	0.000636	0.00190	1	06/04/10 14:26	SW846 8260B	KKK	10F0093
Naphthalene	ND		mg/kg dry	0.00161	0.00475	1	06/04/10 14:26	SW846 8260B	KKK	10F0093
Toluene	ND		mg/kg dry	0.000380	0.00190	1	06/04/10 14:26	SW846 8260B	KKK	10F0093
Xylenes, total	ND		mg/kg dry	0.00123	0.00475	1	06/04/10 14:26	SW846 8260B	KKK	10F0093
Surr: 1,2-Dichloroethane-d4 (67-138%)	104 %					1	06/04/10 14:26	SW846 8260B	KKK	10F0093
Surr: Dibromofluoromethane (75-125%)	109 %					1	06/04/10 14:26	SW846 8260B	KKK	10F0093
Surr: Toluene-d8 (76-129%)	98 %					1	06/04/10 14:26	SW846 8260B	KKK	10F0093
Surr: 4-Bromofluorobenzene (67-147%)	97 %					1	06/04/10 14:26	SW846 8260B	KKK	10F0093
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0236	0.0720	1	06/02/10 21:27	SW846 8270D	RMC	10E4993
Acenaphthylene	ND		mg/kg dry	0.0236	0.0720	1	06/02/10 21:27	SW846 8270D	RMC	10E4993
Anthracene	ND		mg/kg dry	0.0161	0.0720	1	06/02/10 21:27	SW846 8270D	RMC	10E4993
Benzo (a) anthracene	ND		mg/kg dry	0.0140	0.0720	1	06/02/10 21:27	SW846 8270D	RMC	10E4993
Benzo (a) pyrene	ND		mg/kg dry	0.0161	0.0720	1	06/02/10 21:27	SW846 8270D	RMC	10E4993
Benzo (b) fluoranthene	ND		mg/kg dry	0.0183	0.0720	1	06/02/10 21:27	SW846 8270D	RMC	10E4993
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0150	0.0720	1	06/02/10 21:27	SW846 8270D	RMC	10E4993
Benzo (k) fluoranthene	ND		mg/kg dry	0.0204	0.0720	1	06/02/10 21:27	SW846 8270D	RMC	10E4993
Chrysene	ND		mg/kg dry	0.0161	0.0720	1	06/02/10 21:27	SW846 8270D	RMC	10E4993
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0150	0.0720	1	06/02/10 21:27	SW846 8270D	RMC	10E4993
Fluoranthene	ND		mg/kg dry	0.0150	0.0720	1	06/02/10 21:27	SW846 8270D	RMC	10E4993
Fluorene	ND		mg/kg dry	0.0140	0.0720	1	06/02/10 21:27	SW846 8270D	RMC	10E4993
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0129	0.0720	1	06/02/10 21:27	SW846 8270D	RMC	10E4993
Naphthalene	ND		mg/kg dry	0.0215	0.0720	1	06/02/10 21:27	SW846 8270D	RMC	10E4993
Phenanthrene	ND		mg/kg dry	0.0140	0.0720	1	06/02/10 21:27	SW846 8270D	RMC	10E4993
Pyrene	ND		mg/kg dry	0.0129	0.0720	1	06/02/10 21:27	SW846 8270D	RMC	10E4993
1-Methylnaphthalene	ND		mg/kg dry	0.0183	0.0720	1	06/02/10 21:27	SW846 8270D	RMC	10E4993
2-Methylnaphthalene	ND		mg/kg dry	0.0193	0.0720	1	06/02/10 21:27	SW846 8270D	RMC	10E4993
Surr: Terphenyl-d14 (18-120%)	62 %					1	06/02/10 21:27	SW846 8270D	RMC	10E4993
Surr: 2-Fluorobiphenyl (14-120%)	51 %					1	06/02/10 21:27	SW846 8270D	RMC	10E4993
Surr: Nitrobenzene-d5 (17-120%)	51 %					1	06/02/10 21:27	SW846 8270D	RMC	10E4993

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

Work Order: NTE2939
 Project Name: Laurel Bay Housing Project
 Project Number: [none]
 Received: 05/28/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NTE2939-03 (850 Dolphin - Soil) Sampled: 05/27/10 13:45										
General Chemistry Parameters										
% Dry Solids	87.8		%	0.500	0.500	1	06/03/10 08:52	SW-846	HLB	10F0246
Volatile Organic Compounds by EPA Method 8260B										
Benzene	ND		mg/kg dry	0.000865	0.00258	1	06/04/10 14:57	SW846 8260B	KKK	10F0093
Ethylbenzene	ND		mg/kg dry	0.000865	0.00258	1	06/04/10 14:57	SW846 8260B	KKK	10F0093
Naphthalene	ND		mg/kg dry	0.00220	0.00646	1	06/04/10 14:57	SW846 8260B	KKK	10F0093
Toluene	ND		mg/kg dry	0.000517	0.00258	1	06/04/10 14:57	SW846 8260B	KKK	10F0093
Xylenes, total	ND		mg/kg dry	0.00168	0.00646	1	06/04/10 14:57	SW846 8260B	KKK	10F0093
Surr: 1,2-Dichloroethane-d4 (67-138%)	106 %					1	06/04/10 14:57	SW846 8260B	KKK	10F0093
Surr: Dibromofluoromethane (75-125%)	109 %					1	06/04/10 14:57	SW846 8260B	KKK	10F0093
Surr: Toluene-d8 (76-129%)	98 %					1	06/04/10 14:57	SW846 8260B	KKK	10F0093
Surr: 4-Bromofluorobenzene (67-147%)	95 %					1	06/04/10 14:57	SW846 8260B	KKK	10F0093
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthenc	ND		mg/kg dry	0.0246	0.0750	1	06/03/10 13:33	SW846 8270D	RMC	10E4993
Acenaphthylene	ND		mg/kg dry	0.0246	0.0750	1	06/03/10 13:33	SW846 8270D	RMC	10E4993
Anthracene	ND		mg/kg dry	0.0168	0.0750	1	06/03/10 13:33	SW846 8270D	RMC	10E4993
Benzo (a) anthracene	ND		mg/kg dry	0.0146	0.0750	1	06/03/10 13:33	SW846 8270D	RMC	10E4993
Benzo (a) pyrene	ND		mg/kg dry	0.0168	0.0750	1	06/03/10 13:33	SW846 8270D	RMC	10E4993
Benzo (b) fluoranthene	ND		mg/kg dry	0.0190	0.0750	1	06/03/10 13:33	SW846 8270D	RMC	10E4993
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0157	0.0750	1	06/03/10 13:33	SW846 8270D	RMC	10E4993
Benzo (k) fluoranthene	ND		mg/kg dry	0.0213	0.0750	1	06/03/10 13:33	SW846 8270D	RMC	10E4993
Chrysene	ND		mg/kg dry	0.0168	0.0750	1	06/03/10 13:33	SW846 8270D	RMC	10E4993
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0157	0.0750	1	06/03/10 13:33	SW846 8270D	RMC	10E4993
Fluoranthene	ND		mg/kg dry	0.0157	0.0750	1	06/03/10 13:33	SW846 8270D	RMC	10E4993
Fluorene	ND		mg/kg dry	0.0146	0.0750	1	06/03/10 13:33	SW846 8270D	RMC	10E4993
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0134	0.0750	1	06/03/10 13:33	SW846 8270D	RMC	10E4993
Naphthalene	ND		mg/kg dry	0.0224	0.0750	1	06/03/10 13:33	SW846 8270D	RMC	10E4993
Phenanthrene	ND		mg/kg dry	0.0146	0.0750	1	06/03/10 13:33	SW846 8270D	RMC	10E4993
Pyrene	ND		mg/kg dry	0.0134	0.0750	1	06/03/10 13:33	SW846 8270D	RMC	10E4993
1-Methylnaphthalene	ND		mg/kg dry	0.0190	0.0750	1	06/03/10 13:33	SW846 8270D	RMC	10E4993
2-Methylnaphthalene	ND		mg/kg dry	0.0202	0.0750	1	06/03/10 13:33	SW846 8270D	RMC	10E4993
Surr: Terphenyl-d14 (18-120%)	75 %					1	06/03/10 13:33	SW846 8270D	RMC	10E4993
Surr: 2-Fluorobiphenyl (14-120%)	65 %					1	06/03/10 13:33	SW846 8270D	RMC	10E4993
Surr: Nitrobenzene-d5 (17-120%)	70 %					1	06/03/10 13:33	SW846 8270D	RMC	10E4993

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

Work Order: NTE2939
 Project Name: Laurel Bay Housing Project
 Project Number: [none]
 Received: 05/28/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NTE2939-04 (849 Dolphin - Soil) Sampled: 05/27/10 15:30										
General Chemistry Parameters										
% Dry Solids	91.3		%	0.500	0.500	1	06/03/10 08:52	SW-846	HLB	10F0246
Volatile Organic Compounds by EPA Method 8260B										
Benzene	ND		mg/kg dry	0.000746	0.00223	1	06/04/10 15:29	SW846 8260B	KKK	10F0093
Ethylbenzene	ND		mg/kg dry	0.000746	0.00223	1	06/04/10 15:29	SW846 8260B	KKK	10F0093
Naphthalene	ND		mg/kg dry	0.00189	0.00557	1	06/04/10 15:29	SW846 8260B	KKK	10F0093
Toluene	ND		mg/kg dry	0.000445	0.00223	1	06/04/10 15:29	SW846 8260B	KKK	10F0093
Xylenes, total	ND		mg/kg dry	0.00145	0.00557	1	06/04/10 15:29	SW846 8260B	KKK	10F0093
Surr: 1,2-Dichloroethane-d4 (67-138%)	107 %					1	06/04/10 15:29	SW846 8260B	KKK	10F0093
Surr: Dibromofluoromethane (75-125%)	109 %					1	06/04/10 15:29	SW846 8260B	KKK	10F0093
Surr: Toluene-d8 (76-129%)	98 %					1	06/04/10 15:29	SW846 8260B	KKK	10F0093
Surr: 4-Bromofluorobenzene (67-147%)	94 %					1	06/04/10 15:29	SW846 8260B	KKK	10F0093
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0237	0.0723	1	06/03/10 13:58	SW846 8270D	RMC	10E4993
Acenaphthylene	ND		mg/kg dry	0.0237	0.0723	1	06/03/10 13:58	SW846 8270D	RMC	10E4993
Anthracene	ND		mg/kg dry	0.0162	0.0723	1	06/03/10 13:58	SW846 8270D	RMC	10E4993
Benzo (a) anthracene	ND		mg/kg dry	0.0140	0.0723	1	06/03/10 13:58	SW846 8270D	RMC	10E4993
Benzo (a) pyrene	ND		mg/kg dry	0.0162	0.0723	1	06/03/10 13:58	SW846 8270D	RMC	10E4993
Benzo (b) fluoranthene	ND		mg/kg dry	0.0183	0.0723	1	06/03/10 13:58	SW846 8270D	RMC	10E4993
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0151	0.0723	1	06/03/10 13:58	SW846 8270D	RMC	10E4993
Benzo (k) fluoranthene	ND		mg/kg dry	0.0205	0.0723	1	06/03/10 13:58	SW846 8270D	RMC	10E4993
Chrysene	ND		mg/kg dry	0.0162	0.0723	1	06/03/10 13:58	SW846 8270D	RMC	10E4993
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0151	0.0723	1	06/03/10 13:58	SW846 8270D	RMC	10E4993
Fluoranthene	ND		mg/kg dry	0.0151	0.0723	1	06/03/10 13:58	SW846 8270D	RMC	10E4993
Fluorene	ND		mg/kg dry	0.0140	0.0723	1	06/03/10 13:58	SW846 8270D	RMC	10E4993
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0129	0.0723	1	06/03/10 13:58	SW846 8270D	RMC	10E4993
Naphthalene	ND		mg/kg dry	0.0216	0.0723	1	06/03/10 13:58	SW846 8270D	RMC	10E4993
Phenanthrene	ND		mg/kg dry	0.0140	0.0723	1	06/03/10 13:58	SW846 8270D	RMC	10E4993
Pyrene	ND		mg/kg dry	0.0129	0.0723	1	06/03/10 13:58	SW846 8270D	RMC	10E4993
1-Methylnaphthalene	ND		mg/kg dry	0.0183	0.0723	1	06/03/10 13:58	SW846 8270D	RMC	10E4993
2-Methylnaphthalene	ND		mg/kg dry	0.0194	0.0723	1	06/03/10 13:58	SW846 8270D	RMC	10E4993
Surr: Terphenyl-d14 (18-120%)	68 %					1	06/03/10 13:58	SW846 8270D	RMC	10E4993
Surr: 2-Fluorobiphenyl (14-120%)	60 %					1	06/03/10 13:58	SW846 8270D	RMC	10E4993
Surr: Nitrobenzene-d5 (17-120%)	64 %					1	06/03/10 13:58	SW846 8270D	RMC	10E4993

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

Work Order: NTE2939
 Project Name: Laurel Bay Housing Project
 Project Number: [none]
 Received: 05/28/10 08:00

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
Polyaromatic Hydrocarbons by EPA 8270D							
SW846 8270D	10E4993	NTE2939-01	30.65	1.00	05/29/10 10:00	SAS	EPA 3550C
SW846 8270D	10E4993	NTE2939-02	30.37	1.00	05/29/10 10:00	SAS	EPA 3550C
SW846 8270D	10E4993	NTE2939-03	30.51	1.00	05/29/10 10:00	SAS	EPA 3550C
SW846 8270D	10E4993	NTE2939-04	30.46	1.00	05/29/10 10:00	SAS	EPA 3550C
Volatile Organic Compounds by EPA Method 8260B							
SW846 8260B	10F0093	NTE2939-01	4.97	5.00	05/26/10 15:30	CHH	EPA 5035
SW846 8260B	10F0093	NTE2939-02	5.73	5.00	05/27/10 10:05	CHH	EPA 5035
SW846 8260B	10F0093	NTE2939-03	4.41	5.00	05/27/10 13:45	CHH	EPA 5035
SW846 8260B	10F0093	NTE2939-04	4.92	5.00	05/27/10 15:30	CHH	EPA 5035

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

Work Order: NTE2939
 Project Name: Laurel Bay Housing Project
 Project Number: [none]
 Received: 05/28/10 08:00

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						
10F0093-BLK1						
Benzene	<0.000670		mg/kg wet	10F0093	10F0093-BLK1	06/04/10 12:52
Ethylbenzene	<0.000670		mg/kg wet	10F0093	10F0093-BLK1	06/04/10 12:52
Naphthalene	<0.00170		mg/kg wet	10F0093	10F0093-BLK1	06/04/10 12:52
Toluene	<0.000400		mg/kg wet	10F0093	10F0093-BLK1	06/04/10 12:52
Xylenes, total	<0.00130		mg/kg wet	10F0093	10F0093-BLK1	06/04/10 12:52
Surrogate: 1,2-Dichloroethane-d4	105%			10F0093	10F0093-BLK1	06/04/10 12:52
Surrogate: Dibromofluoromethane	110%			10F0093	10F0093-BLK1	06/04/10 12:52
Surrogate: Toluene-d8	98%			10F0093	10F0093-BLK1	06/04/10 12:52
Surrogate: 4-Bromofluorobenzene	96%			10F0093	10F0093-BLK1	06/04/10 12:52

Polyaromatic Hydrocarbons by EPA 8270D

10E4993-BLK1						
Acenaphthene	<0.0220		mg/kg wet	10E4993	10E4993-BLK1	06/02/10 19:21
Acenaphthylene	<0.0220		mg/kg wet	10E4993	10E4993-BLK1	06/02/10 19:21
Anthracene	<0.0150		mg/kg wet	10E4993	10E4993-BLK1	06/02/10 19:21
Benzo (a) anthracene	<0.0130		mg/kg wet	10E4993	10E4993-BLK1	06/02/10 19:21
Benzo (a) pyrene	<0.0150		mg/kg wet	10E4993	10E4993-BLK1	06/02/10 19:21
Benzo (b) fluoranthene	<0.0170		mg/kg wet	10E4993	10E4993-BLK1	06/02/10 19:21
Benzo (g,h,i) perylene	<0.0140		mg/kg wet	10E4993	10E4993-BLK1	06/02/10 19:21
Benzo (k) fluoranthene	<0.0190		mg/kg wet	10E4993	10E4993-BLK1	06/02/10 19:21
Chrysene	<0.0150		mg/kg wet	10E4993	10E4993-BLK1	06/02/10 19:21
Dibenz (a,h) anthracene	<0.0140		mg/kg wet	10E4993	10E4993-BLK1	06/02/10 19:21
Fluoranthene	<0.0140		mg/kg wet	10E4993	10E4993-BLK1	06/02/10 19:21
Fluorene	<0.0130		mg/kg wet	10E4993	10E4993-BLK1	06/02/10 19:21
Indeno (1,2,3-cd) pyrene	<0.0120		mg/kg wet	10E4993	10E4993-BLK1	06/02/10 19:21
Naphthalene	<0.0200		mg/kg wet	10E4993	10E4993-BLK1	06/02/10 19:21
Phenanthrene	<0.0130		mg/kg wet	10E4993	10E4993-BLK1	06/02/10 19:21
Pyrene	<0.0120		mg/kg wet	10E4993	10E4993-BLK1	06/02/10 19:21
1-Methylnaphthalene	<0.0170		mg/kg wet	10E4993	10E4993-BLK1	06/02/10 19:21
2-Methylnaphthalene	<0.0180		mg/kg wet	10E4993	10E4993-BLK1	06/02/10 19:21
Surrogate: Terphenyl-d14	77%			10E4993	10E4993-BLK1	06/02/10 19:21
Surrogate: 2-Fluorobiphenyl	59%			10E4993	10E4993-BLK1	06/02/10 19:21
Surrogate: Nitrobenzene-d5	61%			10E4993	10E4993-BLK1	06/02/10 19:21

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

Work Order: NTE2939
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 05/28/10 08:00

PROJECT QUALITY CONTROL DATA
Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	% Rec.	Analyzed Date/Time
General Chemistry Parameters										
10F0246-DUP1										
% Dry Solids	92.7	92.5		%	0.2	20	10F0246	NTE2939-01		06/03/10 08:52

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

Work Order: NTE2939
 Project Name: Laurel Bay Housing Project
 Project Number: [none]
 Received: 05/28/10 08:00

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								
10F0093-BS1								
Benzene	50.0	55.3		ug/kg	111%	78 - 126	10F0093	06/04/10 10:47
Ethylbenzene	50.0	56.9		ug/kg	114%	79 - 130	10F0093	06/04/10 10:47
Naphthalene	50.0	42.6		ug/kg	85%	72 - 150	10F0093	06/04/10 10:47
Toluene	50.0	55.2		ug/kg	110%	76 - 126	10F0093	06/04/10 10:47
Xylenes, total	150	176		ug/kg	117%	80 - 130	10F0093	06/04/10 10:47
Surrogate: 1,2-Dichloroethane-d4	50.0	51.9			104%	67 - 138	10F0093	06/04/10 10:47
Surrogate: Dibromofluoromethane	50.0	54.6			109%	75 - 125	10F0093	06/04/10 10:47
Surrogate: Toluene-d8	50.0	49.1			98%	76 - 129	10F0093	06/04/10 10:47
Surrogate: 4-Bromofluorobenzene	50.0	46.4			93%	67 - 147	10F0093	06/04/10 10:47
Polyaromatic Hydrocarbons by EPA 8270D								
10E4993-BS1								
Acenaphthene	1.67	1.17		mg/kg wet	70%	49 - 120	10E4993	06/02/10 19:47
Acenaphthylene	1.67	1.25		mg/kg wet	75%	52 - 120	10E4993	06/02/10 19:47
Anthracene	1.67	1.44		mg/kg wet	86%	58 - 120	10E4993	06/02/10 19:47
Benzo (a) anthracene	1.67	1.40		mg/kg wet	84%	57 - 120	10E4993	06/02/10 19:47
Benzo (a) pyrene	1.67	1.37		mg/kg wet	82%	55 - 120	10E4993	06/02/10 19:47
Benzo (b) fluoranthene	1.67	1.38		mg/kg wet	83%	51 - 123	10E4993	06/02/10 19:47
Benzo (g,h,i) perylene	1.67	1.31		mg/kg wet	78%	49 - 121	10E4993	06/02/10 19:47
Benzo (k) fluoranthene	1.67	1.32		mg/kg wet	79%	42 - 129	10E4993	06/02/10 19:47
Chrysene	1.67	1.33		mg/kg wet	80%	55 - 120	10E4993	06/02/10 19:47
Dibenz (a,h) anthracene	1.67	1.35		mg/kg wet	81%	50 - 123	10E4993	06/02/10 19:47
Fluoranthene	1.67	1.35		mg/kg wet	81%	58 - 120	10E4993	06/02/10 19:47
Fluorene	1.67	1.27		mg/kg wet	76%	54 - 120	10E4993	06/02/10 19:47
Indeno (1,2,3-cd) pyrene	1.67	1.37		mg/kg wet	82%	50 - 122	10E4993	06/02/10 19:47
Naphthalene	1.67	1.04		mg/kg wet	63%	28 - 120	10E4993	06/02/10 19:47
Phenanthrene	1.67	1.32		mg/kg wet	79%	56 - 120	10E4993	06/02/10 19:47
Pyrene	1.67	1.45		mg/kg wet	87%	56 - 120	10E4993	06/02/10 19:47
1-Methylnaphthalene	1.67	1.11		mg/kg wet	67%	36 - 120	10E4993	06/02/10 19:47
2-Methylnaphthalene	1.67	1.05		mg/kg wet	63%	36 - 120	10E4993	06/02/10 19:47
Surrogate: Terphenyl-d14	1.67	1.33			80%	18 - 120	10E4993	06/02/10 19:47
Surrogate: 2-Fluorobiphenyl	1.67	0.982			59%	14 - 120	10E4993	06/02/10 19:47
Surrogate: Nitrobenzene-d5	1.67	0.962			58%	17 - 120	10E4993	06/02/10 19:47

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

Work Order: NTE2939
 Project Name: Laurel Bay Housing Project
 Project Number: [none]
 Received: 05/28/10 08:00

PROJECT QUALITY CONTROL DATA
LCS Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
10F0093-BSD1												
Benzene		56.4		ug/kg	50.0	113%	78 - 126	2	50	10F0093		06/04/10 11:18
Ethylbenzene		57.2		ug/kg	50.0	114%	79 - 130	0.5	50	10F0093		06/04/10 11:18
Naphthalene		47.1		ug/kg	50.0	94%	72 - 150	10	50	10F0093		06/04/10 11:18
Toluene		55.4		ug/kg	50.0	111%	76 - 126	0.3	50	10F0093		06/04/10 11:18
Xylenes, total		176		ug/kg	150	117%	80 - 130	0.1	50	10F0093		06/04/10 11:18
<i>Surrogate: 1,2-Dichloroethane-d4</i>		53.4		ug/kg	50.0	107%	67 - 138			10F0093		06/04/10 11:18
<i>Surrogate: Dibromofluoromethane</i>		55.2		ug/kg	50.0	110%	75 - 125			10F0093		06/04/10 11:18
<i>Surrogate: Toluene-d8</i>		48.8		ug/kg	50.0	98%	76 - 129			10F0093		06/04/10 11:18
<i>Surrogate: 4-Bromofluorobenzene</i>		47.4		ug/kg	50.0	95%	67 - 147			10F0093		06/04/10 11:18

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

Work Order: NTE2939
 Project Name: Laurel Bay Housing Project
 Project Number: [none]
 Received: 05/28/10 08:00

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										
10F0093-MS1										
Benzene	ND	0.0472		mg/kg wet	0.0453	104%	42 - 141	10F0093	NTE2982-03	06/04/10 17:33
Ethylbenzene	0.000918	0.0506		mg/kg wet	0.0453	110%	21 - 165	10F0093	NTE2982-03	06/04/10 17:33
Naphthalene	0.0110	0.0376		mg/kg wet	0.0453	59%	10 - 160	10F0093	NTE2982-03	06/04/10 17:33
Toluene	0.000496	0.0488		mg/kg wet	0.0453	107%	45 - 145	10F0093	NTE2982-03	06/04/10 17:33
Xylenes, total	ND	0.152		mg/kg wet	0.136	112%	31 - 159	10F0093	NTE2982-03	06/04/10 17:33
Surrogate: 1,2-Dichloroethane-d4		49.8		ug/kg	50.0	100%	67 - 138	10F0093	NTE2982-03	06/04/10 17:33
Surrogate: Dibromofluoromethane		51.8		ug/kg	50.0	104%	75 - 125	10F0093	NTE2982-03	06/04/10 17:33
Surrogate: Toluene-d8		50.0		ug/kg	50.0	100%	76 - 129	10F0093	NTE2982-03	06/04/10 17:33
Surrogate: 4-Bromofluorobenzene		48.0		ug/kg	50.0	96%	67 - 147	10F0093	NTE2982-03	06/04/10 17:33
Polyaromatic Hydrocarbons by EPA 8270D										
10E4993-MS1										
Acenaphthene	ND	1.24		mg/kg dry	1.75	71%	42 - 120	10E4993	NTE2939-01	06/02/10 20:12
Acenaphthylene	ND	1.31		mg/kg dry	1.75	75%	32 - 120	10E4993	NTE2939-01	06/02/10 20:12
Anthracene	ND	1.49		mg/kg dry	1.75	85%	10 - 200	10E4993	NTE2939-01	06/02/10 20:12
Benzo (a) anthracene	ND	1.40		mg/kg dry	1.75	80%	41 - 120	10E4993	NTE2939-01	06/02/10 20:12
Benzo (a) pyrene	ND	1.42		mg/kg dry	1.75	81%	33 - 121	10E4993	NTE2939-01	06/02/10 20:12
Benzo (b) fluoranthene	ND	1.51		mg/kg dry	1.75	86%	26 - 137	10E4993	NTE2939-01	06/02/10 20:12
Benzo (g,h,i) perylene	ND	1.36		mg/kg dry	1.75	78%	21 - 124	10E4993	NTE2939-01	06/02/10 20:12
Benzo (k) fluoranthene	ND	1.32		mg/kg dry	1.75	75%	14 - 140	10E4993	NTE2939-01	06/02/10 20:12
Chrysene	ND	1.35		mg/kg dry	1.75	77%	28 - 123	10E4993	NTE2939-01	06/02/10 20:12
Dibenz (a,h) anthracene	ND	1.40		mg/kg dry	1.75	80%	25 - 127	10E4993	NTE2939-01	06/02/10 20:12
Fluoranthene	ND	1.40		mg/kg dry	1.75	80%	38 - 120	10E4993	NTE2939-01	06/02/10 20:12
Fluorene	ND	1.31		mg/kg dry	1.75	75%	41 - 120	10E4993	NTE2939-01	06/02/10 20:12
Indeno (1,2,3-cd) pyrene	ND	1.44		mg/kg dry	1.75	82%	25 - 123	10E4993	NTE2939-01	06/02/10 20:12
Naphthalene	ND	1.01		mg/kg dry	1.75	58%	25 - 120	10E4993	NTE2939-01	06/02/10 20:12
Phenanthrene	ND	1.38		mg/kg dry	1.75	79%	37 - 120	10E4993	NTE2939-01	06/02/10 20:12
Pyrene	ND	1.52		mg/kg dry	1.75	87%	29 - 125	10E4993	NTE2939-01	06/02/10 20:12
1-Methylnaphthalene	ND	1.06		mg/kg dry	1.75	61%	19 - 120	10E4993	NTE2939-01	06/02/10 20:12
2-Methylnaphthalene	ND	1.04		mg/kg dry	1.75	59%	11 - 120	10E4993	NTE2939-01	06/02/10 20:12
Surrogate: Terphenyl-d14		1.31		mg/kg dry	1.75	75%	18 - 120	10E4993	NTE2939-01	06/02/10 20:12
Surrogate: 2-Fluorobiphenyl		1.08		mg/kg dry	1.75	62%	14 - 120	10E4993	NTE2939-01	06/02/10 20:12
Surrogate: Nitrobenzene-d5		1.01		mg/kg dry	1.75	58%	17 - 120	10E4993	NTE2939-01	06/02/10 20:12

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

Work Order: NTE2939
 Project Name: Laurel Bay Housing Project
 Project Number: [none]
 Received: 05/28/10 08:00

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												
10F0093-MSD1												
Benzene	ND	0.0431		mg/kg wet	0.0469	92%	42 - 141	9	50	10F0093	NTE2982-03	06/04/10 18:04
Ethylbenzene	0.000918	0.0464		mg/kg wet	0.0469	97%	21 - 165	9	50	10F0093	NTE2982-03	06/04/10 18:04
Naphthalene	0.0110	0.0383		mg/kg wet	0.0469	58%	10 - 160	2	50	10F0093	NTE2982-03	06/04/10 18:04
Toluene	0.000496	0.0435		mg/kg wet	0.0469	92%	45 - 145	11	50	10F0093	NTE2982-03	06/04/10 18:04
Xylenes, total	ND	0.139		mg/kg wet	0.141	99%	31 - 159	9	50	10F0093	NTE2982-03	06/04/10 18:04
Surrogate: 1,2-Dichloroethane-d4		50.8		ug/kg	50.0	102%	67 - 138			10F0093	NTE2982-03	06/04/10 18:04
Surrogate: Dibromofluoromethane		52.7		ug/kg	50.0	105%	75 - 125			10F0093	NTE2982-03	06/04/10 18:04
Surrogate: Toluene-d8		48.8		ug/kg	50.0	98%	76 - 129			10F0093	NTE2982-03	06/04/10 18:04
Surrogate: 4-Bromofluorobenzene		49.0		ug/kg	50.0	98%	67 - 147			10F0093	NTE2982-03	06/04/10 18:04
Polyaromatic Hydrocarbons by EPA 8270D												
10E4993-MSD1												
Acenaphthene	ND	1.11		mg/kg dry	1.75	64%	42 - 120	11	40	10E4993	NTE2939-01	06/02/10 20:37
Acenaphthylene	ND	1.18		mg/kg dry	1.75	68%	32 - 120	10	30	10E4993	NTE2939-01	06/02/10 20:37
Anthracene	ND	1.41		mg/kg dry	1.75	81%	10 - 200	6	50	10E4993	NTE2939-01	06/02/10 20:37
Benzo (a) anthracene	ND	1.34		mg/kg dry	1.75	77%	41 - 120	4	30	10E4993	NTE2939-01	06/02/10 20:37
Benzo (a) pyrene	ND	1.34		mg/kg dry	1.75	77%	33 - 121	6	33	10E4993	NTE2939-01	06/02/10 20:37
Benzo (b) fluoranthene	ND	1.51		mg/kg dry	1.75	86%	26 - 137	0.2	42	10E4993	NTE2939-01	06/02/10 20:37
Benzo (g,h,i) perylene	ND	1.30		mg/kg dry	1.75	74%	21 - 124	5	32	10E4993	NTE2939-01	06/02/10 20:37
Benzo (k) fluoranthene	ND	1.14		mg/kg dry	1.75	65%	14 - 140	15	39	10E4993	NTE2939-01	06/02/10 20:37
Chrysene	ND	1.32		mg/kg dry	1.75	75%	28 - 123	2	34	10E4993	NTE2939-01	06/02/10 20:37
Dibenz (a,h) anthracene	ND	1.35		mg/kg dry	1.75	77%	25 - 127	4	31	10E4993	NTE2939-01	06/02/10 20:37
Fluoranthene	ND	1.33		mg/kg dry	1.75	76%	38 - 120	5	35	10E4993	NTE2939-01	06/02/10 20:37
Fluorene	ND	1.22		mg/kg dry	1.75	70%	41 - 120	8	37	10E4993	NTE2939-01	06/02/10 20:37
Indeno (1,2,3-cd) pyrene	ND	1.36		mg/kg dry	1.75	78%	25 - 123	6	32	10E4993	NTE2939-01	06/02/10 20:37
Naphthalene	ND	0.963		mg/kg dry	1.75	55%	25 - 120	5	42	10E4993	NTE2939-01	06/02/10 20:37
Phenanthrene	ND	1.31		mg/kg dry	1.75	75%	37 - 120	5	32	10E4993	NTE2939-01	06/02/10 20:37
Pyrene	ND	1.42		mg/kg dry	1.75	81%	29 - 125	7	40	10E4993	NTE2939-01	06/02/10 20:37
1-Methylnaphthalene	ND	1.02		mg/kg dry	1.75	59%	19 - 120	4	45	10E4993	NTE2939-01	06/02/10 20:37
2-Methylnaphthalene	ND	0.964		mg/kg dry	1.75	55%	11 - 120	7	50	10E4993	NTE2939-01	06/02/10 20:37
Surrogate: Terphenyl-d14		1.23		mg/kg dry	1.75	71%	18 - 120			10E4993	NTE2939-01	06/02/10 20:37
Surrogate: 2-Fluorobiphenyl		0.978		mg/kg dry	1.75	56%	14 - 120			10E4993	NTE2939-01	06/02/10 20:37
Surrogate: Nitrobenzene-d5		0.959		mg/kg dry	1.75	55%	17 - 120			10E4993	NTE2939-01	06/02/10 20:37

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

Work Order: NTE2939
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 05/28/10 08:00

CERTIFICATION SUMMARY

TestAmerica Nashville

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

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

Work Order: NTE2939
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 05/28/10 08:00

DATA QUALIFIERS AND DEFINITIONS

ND Not detected at the reporting limit (or method detection limit if shown)

METHOD MODIFICATION NOTES

ATTACHMENT A



NON-HAZARDOUS MANIFEST

CWM

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS MANIFEST		1. Generator's US EPA ID No.		Manifest Document No.		2. Page 1 of 1	
3. Generator's Name and Mailing Address MCAS, Beaufort Laurel Bay Housing Beaufort SC 29904				A. Manifest Number WMNA 10885438			
4. Generator's Phone 843 228-6460				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 ROUTE 1, BOX 121 RIDGELAND SC 29998				10. US EPA ID Number		G. State Facility's ID	
						H. Facility's Phone 843 967-4643	
11. Description of Waste Materials				12. Containers No. Type	13. Total Quantity	14. Unit Wt./Vol	I. Misc. Comments
a. Heating Oil Tank filled with Sand				WM Profile # 1026558C	0 0 1		
b.				WM Profile #			
c.				WM Profile #			
d.				WM Profile #			
J. Additional Descriptions for Materials Listed Above Landfill _____ Solidification _____ Bio Remediation _____				K. Disposal Location Cell _____ Level _____ Grid _____			
15. Special Handling Instructions and Additional Information 3) 808 Azalea ✓ 4) 850 Dolphin ✓ 5) 849 Dolphin ✓ 6) 852 Dolphin ✓ Purchase Order # 2) 800 Azalea ✓				EMERGENCY CONTACT:			
16. GENERATOR'S CERTIFICATION: I hereby certify that the above-described materials are not hazardous wastes as defined by 40 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/Typed Name W.S. [Signature]		Signature "On behalf of"		Month Day Year 09/06/10			
17. Transporter 1 Acknowledgement of Receipt of Materials							
Printed/Typed Name James Baldwin		Signature James Baldwin		Month Day Year 10/10/10			
18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name		Signature		Month Day Year			
19. Certificate of Final Treatment/Disposal I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.							
20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.							
Printed/Typed Name Toni Copfield		Signature Toni Copfield		Month Day Year 1/17/10			

Appendix C
Regulatory Correspondence

BOARD:
Paul C. Aughtry, III
Chairman
Edwin H. Cooper, III
Vice Chairman
Steven G. Kisner
Secretary



C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment

BOARD:
Henry C. Scott
M. David Mitchell, MD
Glenn A. McCall
Coleman F. Buckhouse, MD

Bureau of Land and Waste Management
Division of Waste Management

May 19, 2011

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

RE: No Further Action
Laurel Bay Underground Storage Tank Assessment Report for:

- | | | | | |
|----------------|------------------|----------------|----------------|--------------|
| • 849 Dolphin | • 808 Azalea | • 805 Azalea | • 703 Bluebell | • 809 Azalea |
| • 850 Dolphin | • 801 Azalea | • 701 Bluebell | • 706 Bluebell | • 809 Azalea |
| • 800 Azalea | • 803 Azalea | • 702 Bluebell | • 707 Bluebell | • 809 Azalea |
| • 709 Bluebell | • 712 Bluebell | • 713 Bluebell | • 852 Dolphin | • 809 Azalea |
| • 854 Dolphin | • 855 Dolphin | • 859 Dolphin | • 862 Dolphin | • 813 Azalea |
| • 866 Dolphin | • 429 Elderberry | • 804 Azalea | • 806 Azalea | • 813 Azalea |

Dear Mr. Drawdy,

The South Carolina Department of Health and Environmental Control (the Department) received the above referenced Underground Storage Tanks (USTs) Assessment Report on August 17, 2010 for the addresses listed above.

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

Please note that the Department's decision is based on information provided by the Marine Corp 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 picketcn@dhec.sc.gov or 803-896-4131.

Sincerely,

Christi Pickett
Corrective Action Engineering Section
Bureau of Land and Waste Management
South Carolina Department of Health and Environmental Control

cc: Laurel Rhoten (via email)
Craig Ehde (via email)