

SUMMARY REPORT
174 FOXGLOVE STREET (FORMERLY 1023 FOXGLOVE STREET)
LAUREL BAY MILITARY HOUSING AREA
MARINE CORPS AIR STATION BEAUFORT
BEAUFORT, SC

Revision: 0
Prepared for:

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

and



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

JUNE 2021

SUMMARY REPORT
174 FOXGLOVE STREET (FORMERLY 1023 FOXGLOVE STREET)
LAUREL BAY MILITARY HOUSING AREA
MARINE CORPS AIR STATION BEAUFORT
BEAUFORT, SC

Revision: 0
Prepared for:

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

and



Naval Facilities Engineering Command Atlantic

9324 Virginia Avenue
Norfolk, Virginia 23511-3095

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 Assessment 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 174 Foxglove Street (Formerly 1023 Foxglove Street). This NFA determination indicates that there are no unacceptable risks to human health or the environment for the petroleum constituents associated with the home heating oil USTs. The following information is included in this report:

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

1.1 Background Information

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

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 174 Foxglove Street (Formerly 1023 Foxglove Street). Details regarding the soil investigation at this site are provided in the *SCDHEC UST Assessment Report – 1023 Foxglove Street* (MCAS Beaufort, 2009). The UST Assessment Report is provided in Appendix B.

2.1 UST Removal and Soil Sampling

On May 19, 2009, one 280 gallon heating oil UST was removed from the front landscaped area adjacent to the concrete porch at 174 Foxglove Street (Formerly 1023 Foxglove Street). The former UST location is indicated on Figures 2 and 3 of the UST Assessment Report (Appendix B). The UST was removed and properly disposed of (i.e., shipped offsite for recycling or transported to a landfill). There was no visual evidence (i.e., staining or sheen) of petroleum impact at the time of the UST removal. According to the UST Assessment Report (Appendix B), the depth to the base of the UST was 5'10" 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 174 Foxglove Street (Formerly 1023 Foxglove Street) were less than the SCDHEC RBSLs, which indicated the subsurface was not impacted by COPCs associated with the former UST at concentrations that presented a potential risk to human health and the environment.

3.0 PROPERTY STATUS

Based on the analytical results for soil, SCDHEC made the determination that NFA was required for 174 Foxglove Street (Formerly 1023 Foxglove Street). This NFA determination was obtained in a letter dated August 18, 2009. SCDHEC's NFA letter is provided in Appendix C.

4.0 REFERENCES

Marine Corps Air Station Beaufort, 2009. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 1023 Foxglove Street, Laurel Bay Military Housing Area, August 2009.*

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
174 Foxglove Street (Formerly 1023 Foxglove Street)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs ⁽¹⁾	Results Sample Collected 05/19/09
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

RECEIVED

AUG 17 2009

SITE ASSESSMENT,
 REMEDIATION &
 REVITALIZATION

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	
1023 Foxglove St., Laurel Bay Military Housing Area	
Street Address or State Road (as applicable)	
Beaufort,	Beaufort
City	County

Attachment 2

III. INSURANCE INFORMATION

Insurance Statement

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

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

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

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

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

IV. REQUEST FOR SUPERB FUNDING

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

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

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

Name (Type or print.)

Signature

To be completed by Notary Public:

Sworn before me this _____ day of _____, 20____

(Name)

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

VI. UST INFORMATION

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

1023Foxglove				
Heating Oil				
280 gal				
Late 1950s				
Steel				
Mid 1980s				
5'10"				
No				
No				
Removed				
5/19/09				
Yes				
Yes				

- M. Method of disposal for any USTs removed from the ground (attach disposal manifests)
UST 1023Foxglove 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)
The tank had been previously filled with sand by others.
-
- O. If any corrosion, pitting, or holes were observed, describe the location and extent for each UST
Corrosion, pitting and holes were found on the entire surface of 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.....

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.

1023Foxglove				
Steel & Copper				
N/A				
N/A				
Suction				
Yes				
Yes				
No				
Late 1950s				

VIII. BRIEF SITE DESCRIPTION AND HISTORY

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

IX. SITE CONDITIONS

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

X. SAMPLE INFORMATION

A. SCDHEC Lab Certification Number 96012001

B.

Sample #	Location	Sample Type (Soil/Water)	Soil Type (Sand/Clay)	Depth*	Date/Time of Collection	Collected by	OVA #
1023 Foxglove	Excav at fill end	Soil	Sandy	5'10"	5/19/09 0955 hrs	P. Shaw	
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

* = Depth Below the Surrounding Land Surface

XI. SAMPLING METHODOLOGY

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

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

XII. RECEPTORS

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

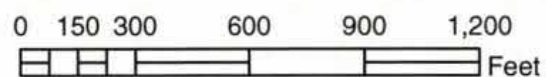
XIII. SITE MAP

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

(Attach Site Map Here)



1023 FOXGLOVE ST.



SBG-EEG, Inc.

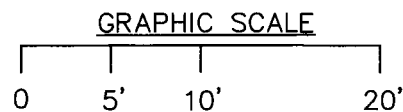
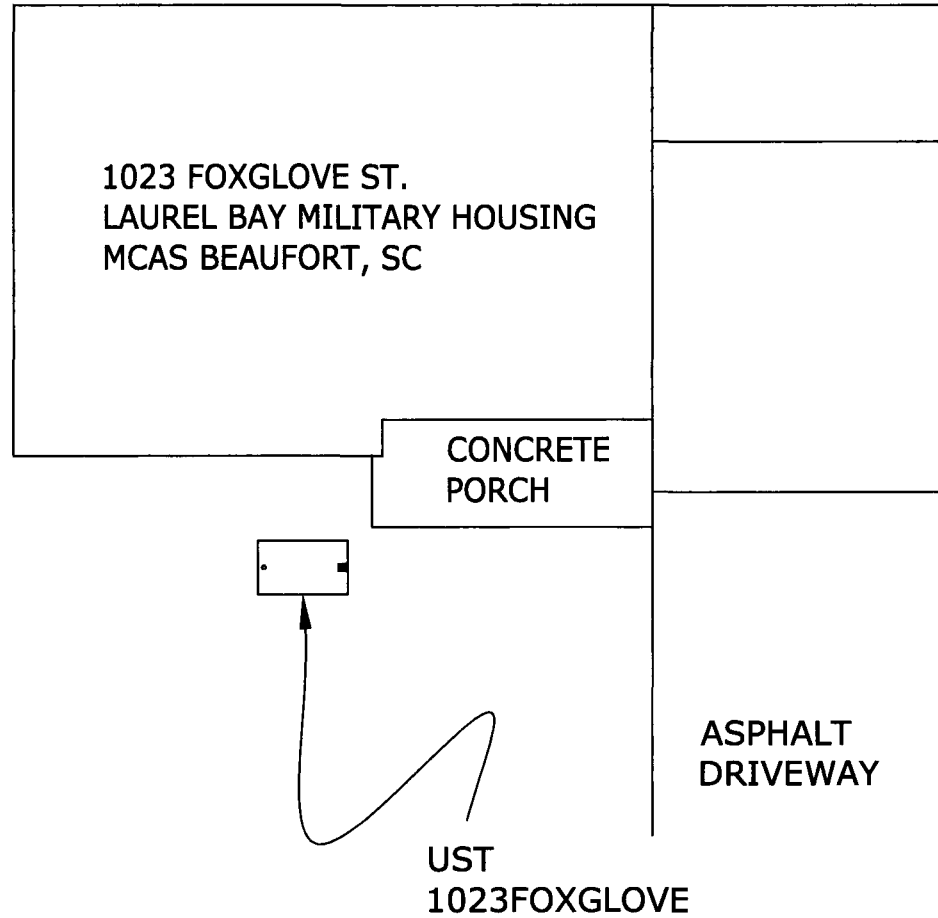
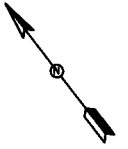
Small Business Group, Inc.
 10179 Hwy 78
 Ladson, SC 29456

Ph. (843) 879-0400

Drawn By: L. DiAsio

Dwg Date: May 2009

FIGURE 1: LOCATION MAP
1023 FOXGLOVE ST., LAUREL BAY
MCAS BEAUFORT SC



SBG-EEG

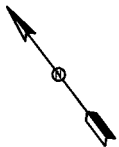
10179 HWY 78
LADSON, SC 29456

ph. (843) 879-0400

FIGURE 2 SITE MAP
1023 FOXGLOVE ST., LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC

DWG DATE MAY 2009



1023 FOXGLOVE ST.

GARAGE

PORCH

EXCAVATION

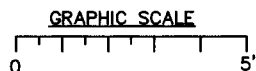
FILL END

SOIL SAMPLE
1023 FOXGLOVE

UST 1023FOXGLOVE,
280 GAL.

GRASS

ASPHALT
DRIVEWAY



UST 1023FOXGLOVE WAS
34" BELOW GRADE.

SBG-EEG

10179 HWY 78
LADSON, SC 29456

ph. (843) 879-0400

FIGURE 3 UST SAMPLE LOCATIONS
1023 FOXGLOVE ST., LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC

DWG DATE MAY 2009



Picture 1: UST 1023Foxglove being removed from the ground.

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	1023Foxglove						
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 04, 2009

12:09:16PM

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

Work Order: NSE1961
Project Name: Laurel Bay Housing Project
Project Nbr: [none]
P/O Nbr: 0829
Date Received: 05/22/09

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
1023 Foxglove	NSE1961-01	05/19/09 09:55
1027 Foxglove	NSE1961-02	05/19/09 13:20
1021 Foxglove	NSE1961-03	05/20/09 13:50
1030 Foxglove	NSE1961-04	05/21/09 10:25

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.

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 McElwce

Work Order: NSE1961
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 05/22/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE1961-01 (1023 Foxglove - Soil) Sampled: 05/19/09 09:55								
General Chemistry Parameters								
% Dry Solids	81.4		%	0.500	1	06/04/09 08:23	SW-846	9060430
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		mg/kg dry	0.00258	1	05/29/09 03:15	SW846 8260B	9054372
Ethylbenzene	ND		mg/kg dry	0.00258	1	05/29/09 03:15	SW846 8260B	9054372
Naphthalene	ND		mg/kg dry	0.00645	1	05/29/09 03:15	SW846 8260B	9054372
Toluene	ND		mg/kg dry	0.00258	1	05/29/09 03:15	SW846 8260B	9054372
Xylenes, total	ND		mg/kg dry	0.00645	1	05/29/09 03:15	SW846 8260B	9054372
Surr: 1,2-Dichloroethane-d4 (41-150%)	100 %					05/29/09 03:15	SW846 8260B	9054372
Surr: Dibromofluoromethane (55-139%)	96 %					05/29/09 03:15	SW846 8260B	9054372
Surr: Toluene-d8 (57-148%)	87 %					05/29/09 03:15	SW846 8260B	9054372
Surr: 4-Bromofluorobenzene (58-150%)	106 %					05/29/09 03:15	SW846 8260B	9054372
Polyaromatic Hydrocarbons by EPA 8270D								
Acenaphthene	ND		mg/kg dry	0.0800	1	05/30/09 18:40	SW846 8270D	9053860
Acenaphthylene	ND		mg/kg dry	0.0800	1	05/30/09 18:40	SW846 8270D	9053860
Anthracene	ND		mg/kg dry	0.0800	1	05/30/09 18:40	SW846 8270D	9053860
Benzo (a) anthracene	ND		mg/kg dry	0.0800	1	05/30/09 18:40	SW846 8270D	9053860
Benzo (a) pyrene	ND		mg/kg dry	0.0800	1	05/30/09 18:40	SW846 8270D	9053860
Benzo (b) fluoranthene	ND		mg/kg dry	0.0800	1	05/30/09 18:40	SW846 8270D	9053860
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0800	1	05/30/09 18:40	SW846 8270D	9053860
Benzo (k) fluoranthene	ND		mg/kg dry	0.0800	1	05/30/09 18:40	SW846 8270D	9053860
Chrysene	ND		mg/kg dry	0.0800	1	05/30/09 18:40	SW846 8270D	9053860
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0800	1	05/30/09 18:40	SW846 8270D	9053860
Fluoranthene	ND		mg/kg dry	0.0800	1	05/30/09 18:40	SW846 8270D	9053860
Fluorene	ND		mg/kg dry	0.0800	1	05/30/09 18:40	SW846 8270D	9053860
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0800	1	05/30/09 18:40	SW846 8270D	9053860
Naphthalene	ND		mg/kg dry	0.0800	1	05/30/09 18:40	SW846 8270D	9053860
Phenanthrene	ND		mg/kg dry	0.0800	1	05/30/09 18:40	SW846 8270D	9053860
Pyrene	ND		mg/kg dry	0.0800	1	05/30/09 18:40	SW846 8270D	9053860
1-Methylnaphthalene	ND		mg/kg dry	0.0800	1	05/30/09 18:40	SW846 8270D	9053860
2-Methylnaphthalene	ND		mg/kg dry	0.0800	1	05/30/09 18:40	SW846 8270D	9053860
Surr: Terphenyl-d14 (26-128%)	79 %					05/30/09 18:40	SW846 8270D	9053860
Surr: 2-Fluorobiphenyl (19-109%)	59 %					05/30/09 18:40	SW846 8270D	9053860
Surr: Nitrobenzene-d5 (22-104%)	70 %					05/30/09 18:40	SW846 8270D	9053860

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

Work Order: NSE1961
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 05/22/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE1961-02 (1027 Foxglove - Soil) Sampled: 05/19/09 13:20								
General Chemistry Parameters								
% Dry Solids	82.4		%	0.500	1	06/04/09 08:23	SW-846	9060430
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		mg/kg dry	0.00201	1	05/29/09 03:44	SW846 8260B	9054372
Ethylbenzene	0.00422		mg/kg dry	0.00201	1	05/29/09 03:44	SW846 8260B	9054372
Naphthalene	0.0596		mg/kg dry	0.00501	1	05/29/09 03:44	SW846 8260B	9054372
Toluene	ND		mg/kg dry	0.00201	1	05/29/09 03:44	SW846 8260B	9054372
Xylenes, total	ND		mg/kg dry	0.00501	1	05/29/09 03:44	SW846 8260B	9054372
Surr: 1,2-Dichloroethane-d4 (41-150%)	91 %					05/29/09 03:44	SW846 8260B	9054372
Surr: Dibromofluoromethane (55-139%)	101 %					05/29/09 03:44	SW846 8260B	9054372
Surr: Toluene-d8 (57-148%)	91 %					05/29/09 03:44	SW846 8260B	9054372
Surr: 4-Bromofluorobenzene (58-150%)	114 %					05/29/09 03:44	SW846 8260B	9054372
Polyaromatic Hydrocarbons by EPA 8270D								
Acenaphthene	ND		mg/kg dry	0.0802	1	05/30/09 19:03	SW846 8270D	9053860
Acenaphthylene	ND		mg/kg dry	0.0802	1	05/30/09 19:03	SW846 8270D	9053860
Anthracene	ND		mg/kg dry	0.0802	1	05/30/09 19:03	SW846 8270D	9053860
Benzo (a) anthracene	0.135		mg/kg dry	0.0802	1	05/30/09 19:03	SW846 8270D	9053860
Benzo (a) pyrene	ND		mg/kg dry	0.0802	1	05/30/09 19:03	SW846 8270D	9053860
Benzo (b) fluoranthene	ND		mg/kg dry	0.0802	1	05/30/09 19:03	SW846 8270D	9053860
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0802	1	05/30/09 19:03	SW846 8270D	9053860
Benzo (k) fluoranthene	ND		mg/kg dry	0.0802	1	05/30/09 19:03	SW846 8270D	9053860
Chrysene	0.113		mg/kg dry	0.0802	1	05/30/09 19:03	SW846 8270D	9053860
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0802	1	05/30/09 19:03	SW846 8270D	9053860
Fluoranthene	0.413		mg/kg dry	0.0802	1	05/30/09 19:03	SW846 8270D	9053860
Fluorene	ND		mg/kg dry	0.0802	1	05/30/09 19:03	SW846 8270D	9053860
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0802	1	05/30/09 19:03	SW846 8270D	9053860
Naphthalene	ND		mg/kg dry	0.0802	1	05/30/09 19:03	SW846 8270D	9053860
Phenanthrene	0.286		mg/kg dry	0.0802	1	05/30/09 19:03	SW846 8270D	9053860
Pyrene	0.394		mg/kg dry	0.0802	1	05/30/09 19:03	SW846 8270D	9053860
1-Methylnaphthalene	0.129		mg/kg dry	0.0802	1	05/30/09 19:03	SW846 8270D	9053860
2-Methylnaphthalene	0.172		mg/kg dry	0.0802	1	05/30/09 19:03	SW846 8270D	9053860
Surr: Terphenyl-d14 (26-128%)	80 %					05/30/09 19:03	SW846 8270D	9053860
Surr: 2-Fluorobiphenyl (19-109%)	62 %					05/30/09 19:03	SW846 8270D	9053860
Surr: Nitrobenzene-d5 (22-104%)	67 %					05/30/09 19:03	SW846 8270D	9053860

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

Work Order: NSE1961
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 05/22/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE1961-03 (1021 Foxglove - Soil) Sampled: 05/20/09 13:50								
General Chemistry Parameters								
% Dry Solids	95.5		%	0.500	1	06/04/09 08:23	SW-846	9060430
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		mg/kg dry	0.00218	1	05/29/09 04:14	SW846 8260B	9054372
Ethylbenzene	ND		mg/kg dry	0.00218	1	05/29/09 04:14	SW846 8260B	9054372
Naphthalene	ND		mg/kg dry	0.00545	1	05/29/09 04:14	SW846 8260B	9054372
Toluene	ND		mg/kg dry	0.00218	1	05/29/09 04:14	SW846 8260B	9054372
Xylenes, total	ND		mg/kg dry	0.00545	1	05/29/09 04:14	SW846 8260B	9054372
Surr: 1,2-Dichloroethane-d4 (41-150%)	99 %					05/29/09 04:14	SW846 8260B	9054372
Surr: Dibromofluoromethane (55-139%)	99 %					05/29/09 04:14	SW846 8260B	9054372
Surr: Toluene-d8 (57-148%)	86 %					05/29/09 04:14	SW846 8260B	9054372
Surr: 4-Bromofluorobenzene (58-150%)	108 %					05/29/09 04:14	SW846 8260B	9054372
Polyaromatic Hydrocarbons by EPA 8270D								
Acenaphthene	ND		mg/kg dry	0.0698	1	05/30/09 19:26	SW846 8270D	9053860
Acenaphthylene	ND		mg/kg dry	0.0698	1	05/30/09 19:26	SW846 8270D	9053860
Anthracene	ND		mg/kg dry	0.0698	1	05/30/09 19:26	SW846 8270D	9053860
Benzo (a) anthracene	0.819		mg/kg dry	0.0698	1	05/30/09 19:26	SW846 8270D	9053860
Benzo (a) pyrene	0.403		mg/kg dry	0.0698	1	05/30/09 19:26	SW846 8270D	9053860
Benzo (b) fluoranthene	1.10		mg/kg dry	0.0698	1	05/30/09 19:26	SW846 8270D	9053860
Benzo (g,h,i) perylene	0.183		mg/kg dry	0.0698	1	05/30/09 19:26	SW846 8270D	9053860
Benzo (k) fluoranthene	0.466		mg/kg dry	0.0698	1	05/30/09 19:26	SW846 8270D	9053860
Chrysene	0.650		mg/kg dry	0.0698	1	05/30/09 19:26	SW846 8270D	9053860
Dibenz (a,h) anthracene	0.0914		mg/kg dry	0.0698	1	05/30/09 19:26	SW846 8270D	9053860
Fluoranthene	1.58		mg/kg dry	0.0698	1	05/30/09 19:26	SW846 8270D	9053860
Fluorene	ND		mg/kg dry	0.0698	1	05/30/09 19:26	SW846 8270D	9053860
Indeno (1,2,3-cd) pyrene	0.236		mg/kg dry	0.0698	1	05/30/09 19:26	SW846 8270D	9053860
Naphthalene	ND		mg/kg dry	0.0698	1	05/30/09 19:26	SW846 8270D	9053860
Phenanthrene	ND		mg/kg dry	0.0698	1	05/30/09 19:26	SW846 8270D	9053860
Pyrene	3.23		mg/kg dry	0.0698	1	05/30/09 19:26	SW846 8270D	9053860
1-Methylnaphthalene	ND		mg/kg dry	0.0698	1	05/30/09 19:26	SW846 8270D	9053860
2-Methylnaphthalene	ND		mg/kg dry	0.0698	1	05/30/09 19:26	SW846 8270D	9053860
Surr: Terphenyl-d14 (26-128%)	81 %					05/30/09 19:26	SW846 8270D	9053860
Surr: 2-Fluorobiphenyl (19-109%)	79 %					05/30/09 19:26	SW846 8270D	9053860
Surr: Nitrobenzene-d5 (22-104%)	79 %					05/30/09 19:26	SW846 8270D	9053860

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

Work Order: NSE1961
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 05/22/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE1961-04 (1030 Foxglove - Soil) Sampled: 05/21/09 10:25								
General Chemistry Parameters								
% Dry Solids	75.6		%	0.500	1	06/04/09 08:23	SW-846	9060430
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		mg/kg dry	0.00237	1	05/29/09 04:44	SW846 8260B	9054372
Ethylbenzene	0.0269		mg/kg dry	0.00237	1	05/29/09 04:44	SW846 8260B	9054372
Naphthalene	0.162		mg/kg dry	0.00592	1	05/29/09 04:44	SW846 8260B	9054372
Toluene	ND		mg/kg dry	0.00237	1	05/29/09 04:44	SW846 8260B	9054372
Xylenes, total	0.0522		mg/kg dry	0.00592	1	05/29/09 04:44	SW846 8260B	9054372
Surr: 1,2-Dichloroethane-d4 (41-150%)	105 %					05/29/09 04:44	SW846 8260B	9054372
Surr: Dibromofluoromethane (55-139%)	101 %					05/29/09 04:44	SW846 8260B	9054372
Surr: Toluene-d8 (57-148%)	96 %					05/29/09 04:44	SW846 8260B	9054372
Surr: 4-Bromofluorobenzene (58-150%)	200 %	ZX				05/29/09 04:44	SW846 8260B	9054372
Polyaromatic Hydrocarbons by EPA 8270D								
Acenaphthene	ND		mg/kg dry	0.0872	1	05/30/09 19:49	SW846 8270D	9053860
Acenaphthylene	ND		mg/kg dry	0.0872	1	05/30/09 19:49	SW846 8270D	9053860
Anthracene	1.91		mg/kg dry	0.0872	1	05/30/09 19:49	SW846 8270D	9053860
Benzo (a) anthracene	3.67		mg/kg dry	0.0872	1	05/30/09 19:49	SW846 8270D	9053860
Benzo (a) pyrene	1.40		mg/kg dry	0.0872	1	05/30/09 19:49	SW846 8270D	9053860
Benzo (b) fluoranthene	1.69		mg/kg dry	0.0872	1	05/30/09 19:49	SW846 8270D	9053860
Benzo (g,h,i) perylene	0.425		mg/kg dry	0.0872	1	05/30/09 19:49	SW846 8270D	9053860
Benzo (k) fluoranthene	1.42		mg/kg dry	0.0872	1	05/30/09 19:49	SW846 8270D	9053860
Chrysene	2.99		mg/kg dry	0.0872	1	05/30/09 19:49	SW846 8270D	9053860
Dibenz (a,h) anthracene	0.210		mg/kg dry	0.0872	1	05/30/09 19:49	SW846 8270D	9053860
Fluoranthene	11.4		mg/kg dry	0.436	5	05/31/09 08:37	SW846 8270D	9053860
Fluorene	1.62		mg/kg dry	0.0872	1	05/30/09 19:49	SW846 8270D	9053860
Indeno (1,2,3-cd) pyrene	0.494		mg/kg dry	0.0872	1	05/30/09 19:49	SW846 8270D	9053860
Naphthalene	ND		mg/kg dry	0.0872	1	05/30/09 19:49	SW846 8270D	9053860
Phenanthrene	9.03		mg/kg dry	0.436	5	05/31/09 08:37	SW846 8270D	9053860
Pyrene	8.05		mg/kg dry	0.436	5	05/31/09 08:37	SW846 8270D	9053860
1-Methylnaphthalene	3.36		mg/kg dry	0.0872	1	05/30/09 19:49	SW846 8270D	9053860
2-Methylnaphthalene	5.27		mg/kg dry	0.436	5	05/31/09 08:37	SW846 8270D	9053860
Surr: Terphenyl-d14 (26-128%)	83 %					05/30/09 19:49	SW846 8270D	9053860
Surr: 2-Fluorobiphenyl (19-109%)	72 %					05/30/09 19:49	SW846 8270D	9053860
Surr: Nitrobenzene-d5 (22-104%)	86 %					05/30/09 19:49	SW846 8270D	9053860

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

Work Order: NSE1961
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 05/22/09 08:15

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
Polyaromatic Hydrocarbons by EPA 8270D							
SW846 8270D	9053860	NSE1961-01	30.86	1.00	05/29/09 12:40	ACB	EPA 3550B
SW846 8270D	9053860	NSE1961-02	30.42	1.00	05/29/09 12:40	ACB	EPA 3550B
SW846 8270D	9053860	NSE1961-03	30.14	1.00	05/29/09 12:40	ACB	EPA 3550B
SW846 8270D	9053860	NSE1961-04	30.50	1.00	05/29/09 12:40	ACB	EPA 3550B
SW846 8270D	9053860	NSE1961-04RE1	30.50	1.00	05/29/09 12:40	ACB	EPA 3550B
Selected Volatile Organic Compounds by EPA Method 8260B							
SW846 8260B	9054372	NSE1961-01	4.76	5.00	05/19/09 09:55	CHH	EPA 5035
SW846 8260B	9054372	NSE1961-02	6.05	5.00	05/19/09 13:20	CHH	EPA 5035
SW846 8260B	9054372	NSE1961-03	4.80	5.00	05/20/09 13:50	CHH	EPA 5035
SW846 8260B	9054372	NSE1961-04	5.59	5.00	05/21/09 10:25	CHH	EPA 5035

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

Work Order: NSE1961
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 05/22/09 08:15

PROJECT QUALITY CONTROL DATA

Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Selected Volatile Organic Compounds by EPA Method 8260B						
9054372-BLK1						
Benzene	<0.000670		mg/kg wet	9054372	9054372-BLK1	05/28/09 22:14
Ethylbenzene	<0.000670		mg/kg wet	9054372	9054372-BLK1	05/28/09 22:14
Naphthalene	<0.00151		mg/kg wet	9054372	9054372-BLK1	05/28/09 22:14
Toluene	<0.000670		mg/kg wet	9054372	9054372-BLK1	05/28/09 22:14
Xylenes, total	<0.00172		mg/kg wet	9054372	9054372-BLK1	05/28/09 22:14
Surrogate: 1,2-Dichloroethane-d4	109%			9054372	9054372-BLK1	05/28/09 22:14
Surrogate: Dibromofluoromethane	101%			9054372	9054372-BLK1	05/28/09 22:14
Surrogate: Toluene-d8	102%			9054372	9054372-BLK1	05/28/09 22:14
Surrogate: 4-Bromofluorobenzene	100%			9054372	9054372-BLK1	05/28/09 22:14

Polyaromatic Hydrocarbons by EPA 8270D

9053860-BLK1						
Acenaphthene	<0.0310		mg/kg wet	9053860	9053860-BLK1	05/30/09 09:45
Acenaphthylene	<0.0320		mg/kg wet	9053860	9053860-BLK1	05/30/09 09:45
Anthracene	<0.0330		mg/kg wet	9053860	9053860-BLK1	05/30/09 09:45
Benzo (a) anthracene	<0.0380		mg/kg wet	9053860	9053860-BLK1	05/30/09 09:45
Benzo (a) pyrene	<0.0290		mg/kg wet	9053860	9053860-BLK1	05/30/09 09:45
Benzo (b) fluoranthene	<0.0320		mg/kg wet	9053860	9053860-BLK1	05/30/09 09:45
Benzo (g,h,i) perylene	<0.0290		mg/kg wet	9053860	9053860-BLK1	05/30/09 09:45
Benzo (k) fluoranthene	<0.0290		mg/kg wet	9053860	9053860-BLK1	05/30/09 09:45
Chrysene	<0.0390		mg/kg wet	9053860	9053860-BLK1	05/30/09 09:45
Dibenz (a,h) anthracene	<0.0310		mg/kg wet	9053860	9053860-BLK1	05/30/09 09:45
Fluoranthene	<0.0340		mg/kg wet	9053860	9053860-BLK1	05/30/09 09:45
Fluorene	<0.0390		mg/kg wet	9053860	9053860-BLK1	05/30/09 09:45
Indeno (1,2,3-cd) pyrene	<0.0310		mg/kg wet	9053860	9053860-BLK1	05/30/09 09:45
Naphthalene	<0.0410		mg/kg wet	9053860	9053860-BLK1	05/30/09 09:45
Phenanthrene	<0.0340		mg/kg wet	9053860	9053860-BLK1	05/30/09 09:45
Pyrene	<0.0410		mg/kg wet	9053860	9053860-BLK1	05/30/09 09:45
Surrogate: Terphenyl-d14	98%			9053860	9053860-BLK1	05/30/09 09:45
Surrogate: 2-Fluorobiphenyl	81%			9053860	9053860-BLK1	05/30/09 09:45
Surrogate: Nitrobenzene-d5	96%			9053860	9053860-BLK1	05/30/09 09:45

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

Work Order: NSE1961
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 05/22/09 08:15

PROJECT QUALITY CONTROL DATA

Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	% Rec.	Analyzed Date/Time
General Chemistry Parameters										
9060430-DUP1										
% Dry Solids	83.3	79.4		%	5	20	9060430	NSE1937-06		06/04/09 08:23

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

Work Order: NSE1961
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 05/22/09 08:15

PROJECT QUALITY CONTROL DATA

LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Selected Volatile Organic Compounds by EPA Method 8260B								
9054372-BS1								
Benzene	50.0	47.5		ug/kg	95%	76 - 130	9054372	05/28/09 20:11
Ethylbenzene	50.0	45.1		ug/kg	90%	80 - 128	9054372	05/28/09 20:11
Naphthalene	50.0	44.3		ug/kg	89%	63 - 144	9054372	05/28/09 20:11
Toluene	50.0	45.2		ug/kg	90%	80 - 125	9054372	05/28/09 20:11
Xylenes, total	150	132		ug/kg	88%	79 - 130	9054372	05/28/09 20:11
Surrogate: 1,2-Dichloroethane-d4	50.0	44.8			90%	41 - 150	9054372	05/28/09 20:11
Surrogate: Dibromofluoromethane	50.0	50.0			100%	55 - 139	9054372	05/28/09 20:11
Surrogate: Toluene-d8	50.0	49.7			99%	57 - 148	9054372	05/28/09 20:11
Surrogate: 4-Bromofluorobenzene	50.0	48.8			98%	58 - 150	9054372	05/28/09 20:11
Polyaromatic Hydrocarbons by EPA 8270D								
9053860-BS1								
Acenaphthene	1.67	1.41		mg/kg wet	85%	52 - 106	9053860	05/30/09 12:11
Acenaphthylene	1.67	1.47		mg/kg wet	88%	53 - 109	9053860	05/30/09 12:11
Anthracene	1.67	1.62		mg/kg wet	97%	54 - 124	9053860	05/30/09 12:11
Benzo (a) anthracene	1.67	1.53		mg/kg wet	92%	53 - 111	9053860	05/30/09 12:11
Benzo (a) pyrene	1.67	1.53		mg/kg wet	92%	52 - 122	9053860	05/30/09 12:11
Benzo (b) fluoranthene	1.67	1.59		mg/kg wet	95%	48 - 115	9053860	05/30/09 12:11
Benzo (g,h,i) perylene	1.67	1.54		mg/kg wet	92%	46 - 114	9053860	05/30/09 12:11
Benzo (k) fluoranthene	1.67	1.34		mg/kg wet	80%	41 - 121	9053860	05/30/09 12:11
Chrysene	1.67	1.45		mg/kg wet	87%	49 - 113	9053860	05/30/09 12:11
Dibenz (a,h) anthracene	1.67	1.55		mg/kg wet	93%	47 - 117	9053860	05/30/09 12:11
Fluoranthene	1.67	1.57		mg/kg wet	94%	52 - 113	9053860	05/30/09 12:11
Fluorene	1.67	1.46		mg/kg wet	88%	54 - 107	9053860	05/30/09 12:11
Indeno (1,2,3-cd) pyrene	1.67	1.57		mg/kg wet	94%	47 - 115	9053860	05/30/09 12:11
Naphthalene	1.67	1.25		mg/kg wet	75%	34 - 107	9053860	05/30/09 12:11
Phenanthrene	1.67	1.45		mg/kg wet	87%	53 - 108	9053860	05/30/09 12:11
Pyrene	1.67	1.47		mg/kg wet	88%	54 - 113	9053860	05/30/09 12:11
Surrogate: Terphenyl-d14	1.67	1.33			80%	26 - 128	9053860	05/30/09 12:11
Surrogate: 2-Fluorobiphenyl	1.67	1.23			74%	19 - 109	9053860	05/30/09 12:11
Surrogate: Nitrobenzene-d5	1.67	1.33			80%	22 - 104	9053860	05/30/09 12:11

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

Work Order: NSE1961
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 05/22/09 08:15

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
Selected Volatile Organic Compounds by EPA Method 8260B												
9054372-BSD1												
Benzene		42.4		ug/kg	50.0	85%	76 - 130	11	43	9054372		05/28/09 20:41
Ethylbenzene		42.1		ug/kg	50.0	84%	80 - 128	7	48	9054372		05/28/09 20:41
Naphthalene		39.2		ug/kg	50.0	78%	63 - 144	12	50	9054372		05/28/09 20:41
Toluene		41.6		ug/kg	50.0	83%	80 - 125	8	44	9054372		05/28/09 20:41
Xylenes, total		124		ug/kg	150	83%	79 - 130	6	48	9054372		05/28/09 20:41
Surrogate: 1,2-Dichloroethane-d4		40.6		ug/kg	50.0	81%	41 - 150			9054372		05/28/09 20:41
Surrogate: Dibromofluoromethane		49.8		ug/kg	50.0	100%	55 - 139			9054372		05/28/09 20:41
Surrogate: Toluene-d8		50.2		ug/kg	50.0	100%	57 - 148			9054372		05/28/09 20:41
Surrogate: 4-Bromofluorobenzene		48.6		ug/kg	50.0	97%	58 - 150			9054372		05/28/09 20:41

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

Work Order: NSE1961
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 05/22/09 08:15

PROJECT QUALITY CONTROL DATA Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Selected Volatile Organic Compounds by EPA Method 8260B										
9054372-MS1										
Benzene	ND	2.71		mg/kg wet	2.50	108%	33 - 146	9054372	NSE2194-03RE 1	05/29/09 07:49
Ethylbenzene	0.0696	2.37		mg/kg wet	2.50	92%	16 - 160	9054372	NSE2194-03RE 1	05/29/09 07:49
Naphthalene	0.0785	1.62		mg/kg wet	2.50	62%	10 - 151	9054372	NSE2194-03RE 1	05/29/09 07:49
Toluene	ND	2.14		mg/kg wet	2.50	85%	30 - 145	9054372	NSE2194-03RE 1	05/29/09 07:49
Xylenes, total	0.0874	6.38		mg/kg wet	7.50	84%	16 - 159	9054372	NSE2194-03RE 1	05/29/09 07:49
Surrogate: 1,2-Dichloroethane-d4		47.5		ug/kg	50.0	95%	41 - 150	9054372	NSE2194-03RE 1	05/29/09 07:49
Surrogate: Dibromofluoromethane		50.1		ug/kg	50.0	100%	55 - 139	9054372	NSE2194-03RE 1	05/29/09 07:49
Surrogate: Toluene-d8		47.1		ug/kg	50.0	94%	57 - 148	9054372	NSE2194-03RE 1	05/29/09 07:49
Surrogate: 4-Bromofluorobenzene		58.1		ug/kg	50.0	116%	58 - 150	9054372	NSE2194-03RE 1	05/29/09 07:49

Polyaromatic Hydrocarbons by EPA 8270D

9053860-MS1

Acenaphthene	ND	1.84		mg/kg dry	2.11	87%	28 - 117	9053860	NSE1796-24	05/30/09 12:33
Acenaphthylene	ND	1.90		mg/kg dry	2.11	90%	33 - 113	9053860	NSE1796-24	05/30/09 12:33
Anthracene	ND	2.11		mg/kg dry	2.11	100%	31 - 131	9053860	NSE1796-24	05/30/09 12:33
Benzo (a) anthracene	0.336	2.03		mg/kg dry	2.11	80%	29 - 124	9053860	NSE1796-24	05/30/09 12:33
Benzo (a) pyrene	0.502	2.05		mg/kg dry	2.11	73%	30 - 127	9053860	NSE1796-24	05/30/09 12:33
Benzo (b) fluoranthene	0.519	2.06		mg/kg dry	2.11	73%	26 - 128	9053860	NSE1796-24	05/30/09 12:33
Benzo (g,h,i) perylene	0.398	2.13		mg/kg dry	2.11	82%	21 - 122	9053860	NSE1796-24	05/30/09 12:33
Benzo (k) fluoranthene	0.357	1.91		mg/kg dry	2.11	74%	20 - 130	9053860	NSE1796-24	05/30/09 12:33
Chrysene	0.373	1.96		mg/kg dry	2.11	75%	30 - 119	9053860	NSE1796-24	05/30/09 12:33
Dibenz (a,h) anthracene	0.120	2.11		mg/kg dry	2.11	94%	27 - 122	9053860	NSE1796-24	05/30/09 12:33
Fluoranthene	0.117	2.10		mg/kg dry	2.11	94%	23 - 132	9053860	NSE1796-24	05/30/09 12:33
Fluorene	ND	1.94		mg/kg dry	2.11	92%	38 - 110	9053860	NSE1796-24	05/30/09 12:33
Indeno (1,2,3-cd) pyrene	0.354	2.15		mg/kg dry	2.11	85%	24 - 122	9053860	NSE1796-24	05/30/09 12:33
Naphthalene	ND	1.54		mg/kg dry	2.11	73%	14 - 117	9053860	NSE1796-24	05/30/09 12:33
Phenanthrene	ND	1.91		mg/kg dry	2.11	91%	21 - 130	9053860	NSE1796-24	05/30/09 12:33
Pyrene	0.136	2.01		mg/kg dry	2.11	89%	24 - 133	9053860	NSE1796-24	05/30/09 12:33
Surrogate: Terphenyl-d14		1.79		mg/kg dry	2.11	85%	26 - 128	9053860	NSE1796-24	05/30/09 12:33
Surrogate: 2-Fluorobiphenyl		1.47		mg/kg dry	2.11	70%	19 - 109	9053860	NSE1796-24	05/30/09 12:33
Surrogate: Nitrobenzene-d5		1.58		mg/kg dry	2.11	75%	22 - 104	9053860	NSE1796-24	05/30/09 12:33

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

Work Order: NSE1961
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 05/22/09 08:15

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
Selected Volatile Organic Compounds by EPA Method 8260B												
9054372-MSD1												
Benzene	ND	2.40		mg/kg wet	2.50	96%	33 - 146	12	43	9054372	NSE2194-03RE 1	05/29/09 08:26
Ethylbenzene	0.0696	2.48		mg/kg wet	2.50	97%	16 - 160	5	48	9054372	NSE2194-03RE 1	05/29/09 08:26
Naphthalene	0.0785	2.80	R2	mg/kg wet	2.50	109%	10 - 151	53	50	9054372	NSE2194-03RE 1	05/29/09 08:26
Toluene	ND	2.01		mg/kg wet	2.50	80%	30 - 145	6	44	9054372	NSE2194-03RE 1	05/29/09 08:26
Xylenes, total	0.0874	6.95		mg/kg wet	7.50	91%	16 - 159	9	48	9054372	NSE2194-03RE 1	05/29/09 08:26
Surrogate: 1,2-Dichloroethane-d4		39.6		ug/kg	50.0	79%	41 - 150			9054372	NSE2194-03RE 1	05/29/09 08:26
Surrogate: Dibromofluoromethane		48.6		ug/kg	50.0	97%	55 - 139			9054372	NSE2194-03RE 1	05/29/09 08:26
Surrogate: Toluene-d8		46.7		ug/kg	50.0	93%	57 - 148			9054372	NSE2194-03RE 1	05/29/09 08:26
Surrogate: 4-Bromofluorobenzene		62.2		ug/kg	50.0	124%	58 - 150			9054372	NSE2194-03RE 1	05/29/09 08:26
Polyaromatic Hydrocarbons by EPA 8270D												
9053860-MSD1												
Acenaphthene	ND	1.77		mg/kg dry	2.15	82%	28 - 117	4	33	9053860	NSE1796-24	05/30/09 12:56
Acenaphthylene	ND	1.86		mg/kg dry	2.15	86%	33 - 113	2	38	9053860	NSE1796-24	05/30/09 12:56
Anthracene	ND	2.11		mg/kg dry	2.15	98%	31 - 131	0.2	32	9053860	NSE1796-24	05/30/09 12:56
Benzo (a) anthracene	0.336	2.29		mg/kg dry	2.15	91%	29 - 124	12	26	9053860	NSE1796-24	05/30/09 12:56
Benzo (a) pyrene	0.502	2.53		mg/kg dry	2.15	94%	30 - 127	21	31	9053860	NSE1796-24	05/30/09 12:56
Benzo (b) fluoranthene	0.519	2.73		mg/kg dry	2.15	103%	26 - 128	28	37	9053860	NSE1796-24	05/30/09 12:56
Benzo (g,h,i) perylene	0.398	2.49		mg/kg dry	2.15	97%	21 - 122	16	28	9053860	NSE1796-24	05/30/09 12:56
Benzo (k) fluoranthene	0.357	1.99		mg/kg dry	2.15	76%	20 - 130	4	35	9053860	NSE1796-24	05/30/09 12:56
Chrysene	0.373	2.24		mg/kg dry	2.15	87%	30 - 119	13	31	9053860	NSE1796-24	05/30/09 12:56
Dibenz (a,h) anthracene	0.120	2.23		mg/kg dry	2.15	98%	27 - 122	6	32	9053860	NSE1796-24	05/30/09 12:56
Fluoranthene	0.117	2.11		mg/kg dry	2.15	92%	23 - 132	0.1	36	9053860	NSE1796-24	05/30/09 12:56
Fluorene	ND	1.90		mg/kg dry	2.15	88%	38 - 110	2	35	9053860	NSE1796-24	05/30/09 12:56
Indeno (1,2,3-cd) pyrene	0.354	2.48		mg/kg dry	2.15	99%	24 - 122	14	28	9053860	NSE1796-24	05/30/09 12:56
Naphthalene	ND	1.48		mg/kg dry	2.15	69%	14 - 117	4	34	9053860	NSE1796-24	05/30/09 12:56
Phenanthrene	ND	1.92		mg/kg dry	2.15	89%	21 - 130	0.2	33	9053860	NSE1796-24	05/30/09 12:56
Pyrene	0.136	2.07		mg/kg dry	2.15	90%	24 - 133	3	36	9053860	NSE1796-24	05/30/09 12:56
Surrogate: Terphenyl-d14		1.79		mg/kg dry	2.15	83%	26 - 128			9053860	NSE1796-24	05/30/09 12:56
Surrogate: 2-Fluorobiphenyl		1.45		mg/kg dry	2.15	67%	19 - 109			9053860	NSE1796-24	05/30/09 12:56
Surrogate: Nitrobenzene-d5		1.56		mg/kg dry	2.15	72%	22 - 104			9053860	NSE1796-24	05/30/09 12:56

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

Work Order: NSE1961
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 05/22/09 08:15

CERTIFICATION SUMMARY

TestAmerica Nashville

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

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

Work Order: NSE1961
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 05/22/09 08:15

DATA QUALIFIERS AND DEFINITIONS

R2 The RPD exceeded the acceptance limit.
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

NSE1961
06/08/09 23:59

$$f_1(x) = 1, f_2(x) = 1 - x, f_3(x) = 1 - 2x + x^2, f_4(x) = 1 - 3x + 3x^2 - x^3, \dots$$

**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?

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.: 843-819-0401

Sampler Name: (Print) _____

Sampler Signature: _____

Compliance Monitoring? Yes _____ No _____

Enforcement Action? Yes No

Site State: SC

PO#:

TA Quote #:

Project ID: Laurel Bay Housing Project

Project #:[illegible]

Special instructions:

Laboratory Comments:

Temperature Upon Receipt:
VOCs Free of Headspace?

Y

Relinquished by:

Relinquished by:

Method of Shipment:

FEDEX

Received by:

Date _____

Time

Received by TestAmerica:

Date _____

Time

ATTACHMENT A



NON-HAZARDOUS MANIFEST

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

07/01/97

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, Inc. Laurie Bay Housing Brazoria SC 29804				A. Manifest Number WMNA 10010170									
4. Generator's Phone 843 228-6462				B. State Generator's ID									
5. Transporter 1 Company Name ECO, Inc.		6. US EPA ID Number		C. State Transporter's ID									
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 843 872-4411									
9. Designated Facility Name and Site Address HICKORY HILL LANDFILL ROUTE 1, BOX 121 RIDGELAND SC 29436		10. US EPA ID Number		E. State Transporter's ID									
				F. Transporter's Phone									
				G. State Facility's ID									
				H. Facility's Phone 843 987-4643									
11. Description of Waste Materials		12. Containers No. Type		13. Total Quantity		14. Unit Wt./Vol.		1. Misc. Comments					
a. Heating Oil Tank 2nd with Spill		WM Profile # 1026058C		8 20									
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 Purchase Order # 31023 Foxglove EMERGENCY CONTACT: 41017 Foxglove 31077 Foxglove 31018 Foxglove													
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 Charles H. Hennen				Signature "On behalf of" Charles H. Hennen				Month Day Year 06/02/97					
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name James Baldwin				Signature James Baldwin				Month Day Year 06/02/97					
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 Jan Collins										Signature Jan Collins		Month Day Year 06/02/97	

Appendix C

Regulatory Correspondence



C. Earl Hunter, Commissioner

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

August 18, 2009

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

Re: MCAS – Laurel Bay Housing – 1023 Floxglove
Site ID # 04251
Soil Sampling Results received August 17, 2009
Beaufort County

Dear Mr. Ehde:

The Department has reviewed the referenced assessment report. Based upon the geotechnical data in the referenced report, the soil samples are below risk based screening levels and there is no evidence of ground water contamination on the property.

As the Department did not specifically request this data, and the work conducted at this site received no prior review by the Department, we cannot provide any comments on the completeness of the work performed or the overall environmental conditions of the site. Based on the information and analytical data submitted, there is no evidence to indicate that a violation of the Pollution Control Act has occurred. Consequently, no investigation will be required at this time. Please note, this statement pertains only to the data submitted 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,

Jan T. Cooke, Hydrogeologist
AST Petroleum Restoration & Site Environmental Investigations Section
Division of Site Assessment, Remediation & Revitalization
Bureau of Land and Waste Management

B. Thomas Knight, Manager

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