SUMMARY REPORT
41 COBIA DRIVE (FORMERLY 870 COBIA 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

Table

Appendices

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 41 Cobia Drive (Formerly 870 Cobia 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 41 Cobia Drive (Formerly 870 Cobia Drive). Details regarding the soil investigation at this site are provided in the *SCDHEC UST Assessment Report – 870 Cobia Drive* (MCAS Beaufort, 2011). The UST Assessment Report is provided in Appendix B.

2.1 UST Removal and Soil Sampling

On November 22, 2010, a single 280 gallon heating oil UST was removed from the front yard adjacent to the porch area at 41 Cobia Drive (Formerly 870 Cobia 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 6'4" 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 41 Cobia Drive (Formerly 870 Cobia 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 41 Cobia Drive (Formerly 870 Cobia Drive). This NFA determination was obtained in a letter dated July 7, 2011. SCDHEC's NFA letter is provided in Appendix C.

4.0 REFERENCES

Marine Corps Air Station Beaufort, 2011. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 870 Cobia Drive, Laurel Bay Military Housing Area*, February 2011.

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

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

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

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

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

Table

Table 1
Laboratory Analytical Results - Soil
41 Cobia Drive (Formerly 870 Cobia Drive)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs [(1)]	Results Sample Collected 11/22/10
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	**0.138**
Benzo(k)fluoranthene	0.66	ND
Chrysene	0.66	**0.0789**
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

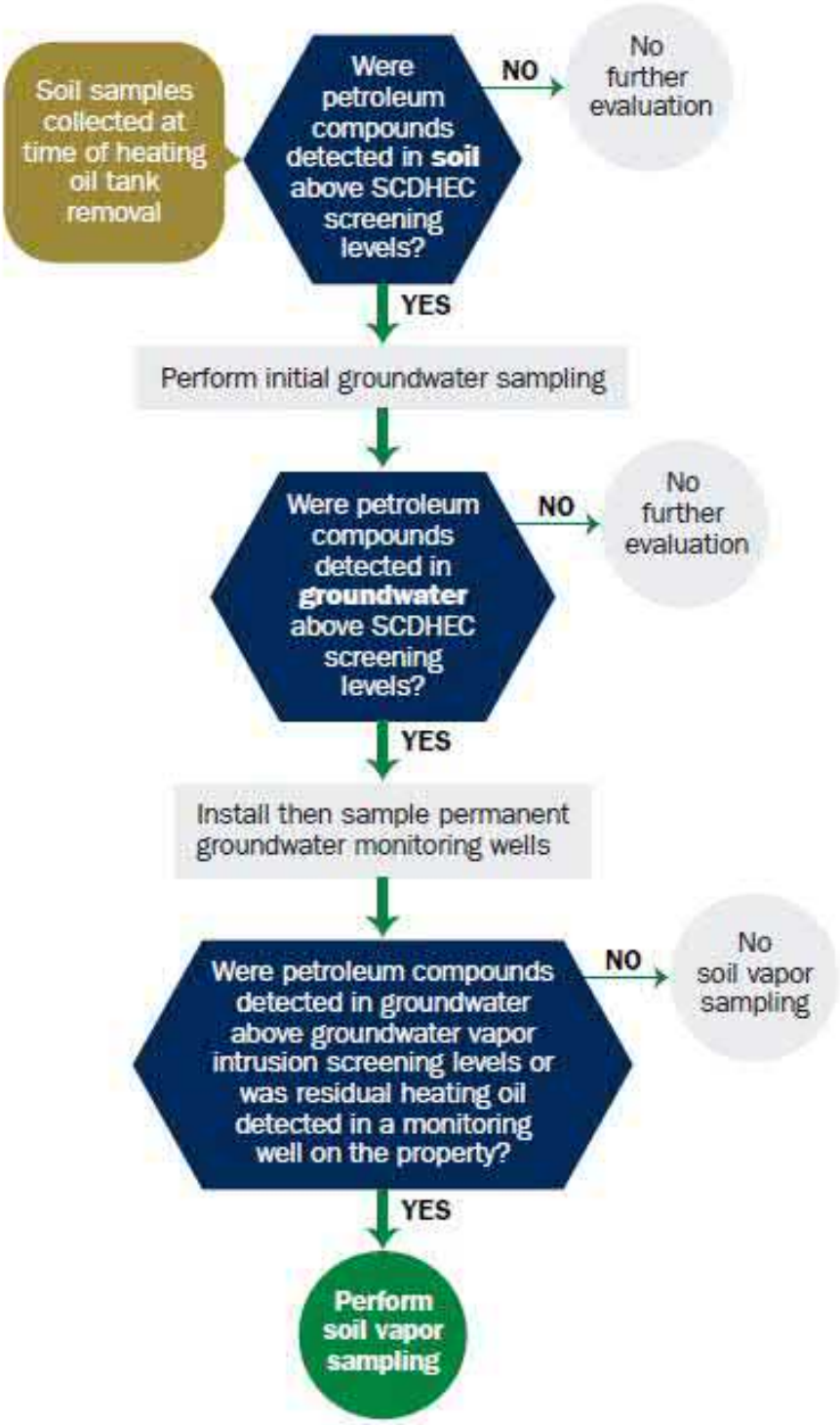
ND - not detected at the reporting limit (or method detection limit if shown on the laboratory report). The laboratory report is provided in Appendix B.

RBSL - Risk-Based Screening Level

SCDHEC - South Carolina Department Of Health and Environmental Control

Appendix A
Multi-Media Selection Process for LBMH

CDM - AECOM
Multimedia Joint Venture



Appendix A - Multi-Media Selection Process for LBMH

Appendix B
UST Assessment Report

CDM - AECOM
Multimedia Joint Venture

Attachment 1

South Carolina Department of Health and Environmental Control (SCDHEC)

Underground Storage Tank (UST) Assessment Report

Date Received	State Use Only

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

I. OWNERSHIP OF UST (S)

MCAS Beaufort, Commanding Officer Attn: NREAO (Craig Ehde)
Owner Name (Corporation, Individual, Public Agency, Other)

P.O. Box 55001
Mailing Address

Beaufort,	South Carolina	29904-5001
City	State	Zip Code

843	228-7317	Craig Ehde
Area Code	Telephone Number	Contact Person

II. SITE IDENTIFICATION AND LOCATION

Permit I.D. #
Laurel Bay Military Housing Area, Marine Corps Air Station, Beaufort, SC
Facility Name or Company Site Identifier

870 Cobia Lane, Laurel Bay Military Housing Area
Street Address or State Road (as applicable)

Beaufort,	Beaufort
City	County

Attachment 2

III. INSURANCE INFORMATION

Insurance Statement

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

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

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

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

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

IV. REQUEST FOR SUPERB FUNDING

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

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

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

_____
Name (Type or print.)

_____
Signature

To be completed by Notary Public:

Sworn before me this _____ day of_____, 20____

_____
(Name)

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

VI. UST INFORMATION

A. Product...(ex. Gas, Kerosene).....	870Cobia				
B. Capacity..(ex. 1k, 2k).....	Heating oil				
C. Age.....	280 gal				
D. Construction Material..(ex. Steel, FRP).....	Late 1950s				
E. Month/Year of Last Use.....	Steel				
F. Depth (ft.) To Base of Tank.....	Mid 1980s				
G. Spill Prevention Equipment Y/N.....	6'4"				
H. Overfill Prevention Equipment Y/N.....	No				
I. Method of Closure Removed/Filled.....	No				
J. Date Tanks Removed/Filled.....	Removed				
K. Visible Corrosion or Pitting Y/N.....	11/22/10				
L. Visible Holes Y/N.....	Yes				
	Yes				

M. Method of disposal for any USTs removed from the ground (attach disposal manifests)
UST 870Cobia 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 870Cobia 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 throughout the tank.

VII. PIPING INFORMATION

870Cobia				
Steel & Copper				
N/A				
N/A				
Suction				
Yes				
Yes				
No				
Late 1950s				

A. Construction Material..(ex. Steel, FRP).....

B. Distance from UST to Dispenser.....

C. Number of Dispensers.....

D. Type of System Pressure or Suction.....

E. Was Piping Removed from the Ground? Y/N

F. Visible Corrosion or Pitting Y/N.....

G. Visible Holes Y/N.....

H. Age.....

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

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

VIII. BRIEF SITE DESCRIPTION AND HISTORY

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

IX. SITE CONDITIONS

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

X. SAMPLE INFORMATION

A. SCDHEC Lab Certification Number 84009001

B.

Sample #	Location	Sample Type (Soil/Water)	Soil Type (Sand/Clay)	Depth*	Date/Time of Collection	Collected by	OVA #
870Cobia	Excav at fill end	Soil	Sandy	6'4"	11/22/10 1515 hrs	P. Shaw	
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

* = Depth Below the Surrounding Land Surface

XI. SAMPLING METHODOLOGY

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

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

XII. RECEPTORS

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

XIII. SITE MAP

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

(Attach Site Map Here)

N

0 105210 420 630 840 1,050 Feet

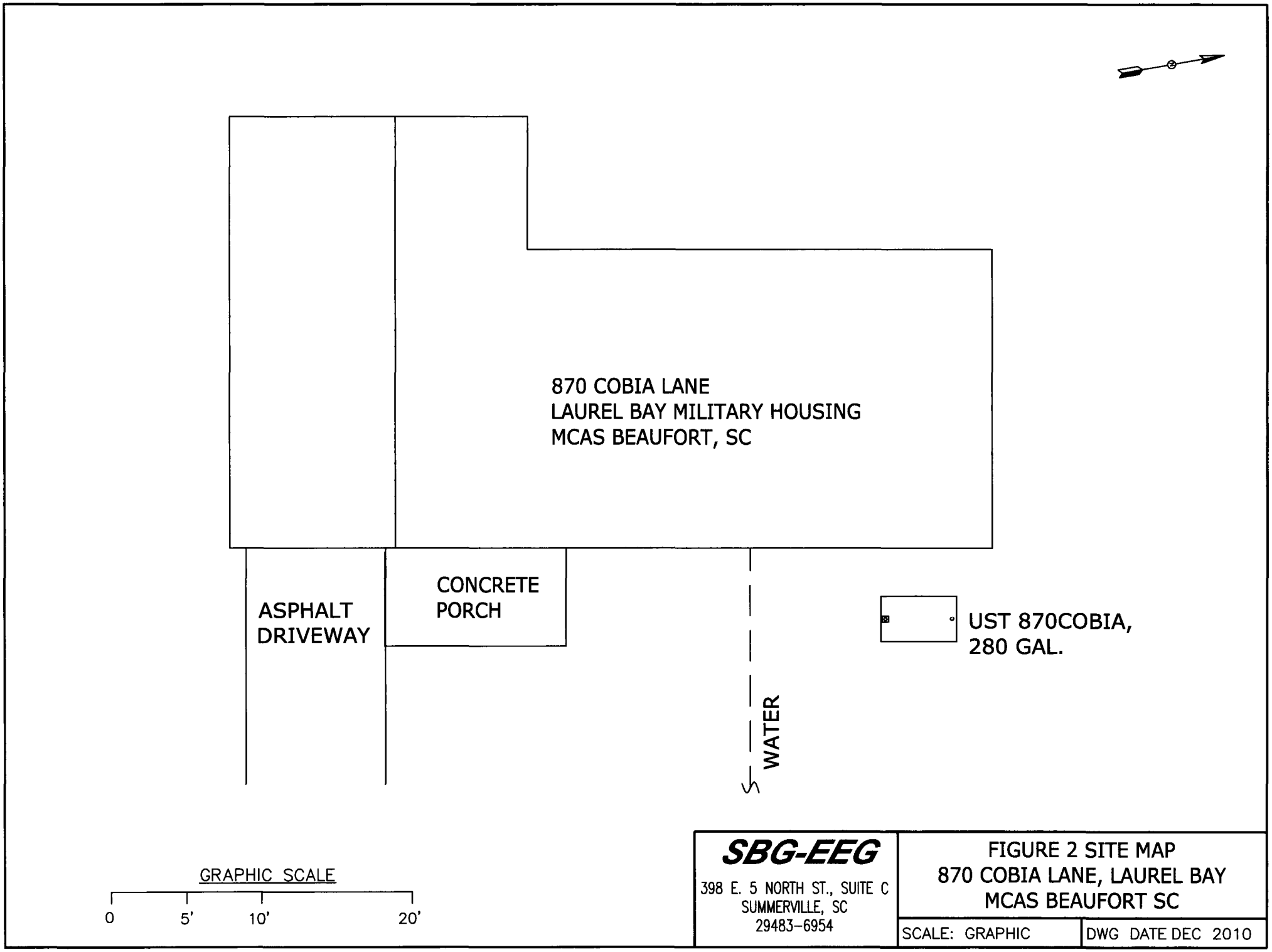
870 COBIA LANE

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

Drawn By: L. DiAsio

Dwg Date: DEC 2010

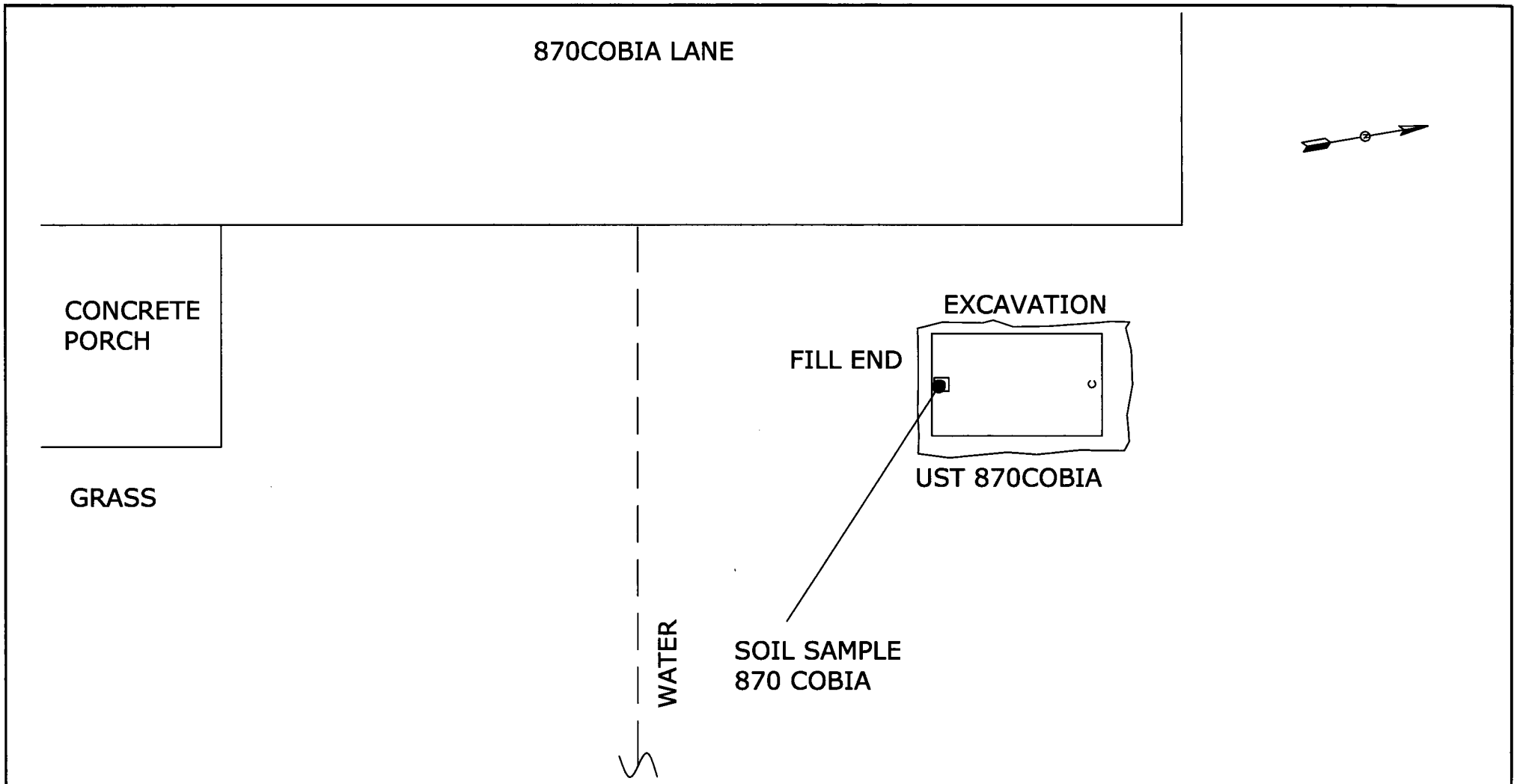
FIGURE 1: LOCATION MAP
870 COBIA LANE
LAUREL BAY, BEAUFORT SC



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

FIGURE 2 SITE MAP
870 COBIA LANE, LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC | DWG DATE DEC 2010



GRAPHIC SCALE
0 5'

UST 870COBIA WAS 40" BELOW GRADE

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

FIGURE 3 UST SAMPLE LOCATION
870 COBIA LANE, LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC | DWG DATE DEC 2010

Picture 1: Location of UST 870Cobia.

Picture 2: UST 870Cobia excavation.

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	870Cobia						
Benzene	ND						
Toluene	ND						
Ethylbenzene	ND						
Xylenes	ND						
Naphthalene	ND						
Benzo (a) anthracene	ND						
Benzo (b) fluoranthene	0.138 mg/kg						
Benzo (k) fluoranthene	ND						
Chrysene	0.0789 mg/kg						
Dibenz (a, h) anthracene	ND						
TPH (EPA 3550)							

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

SUMMARY OF ANALYSIS RESULTS (cont'd)

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

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

XV. ANALYTICAL RESULTS

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

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

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

December 14, 2010 10:41:28AM

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

Work Order: NTK3173
Project Name: Laurel Bay Housing Project
Project Nbr: [none]
P/O Nbr: 1005
Date Received: 11/26/10

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
867 Cobia	NTK3173-01	11/22/10 11:00
870 Cobia	NTK3173-02	11/22/10 15:15
871 Cobia	NTK3173-03	11/23/10 10:15
877 Cobia	NTK3173-04	11/23/10 15:15
878 Cobia	NTK3173-05	11/24/10 10:45

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

Additional Laboratory Comments:
REVISED REPORT: 12/14/10 KAH - To report correct sample dates per COC. This report replaces the one generated on 12/13/10 @ 13:21.

South Carolina Certification Number: 84009

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

All solids results are reported in wet weight unless specifically stated.
Estimated uncertainty is available upon request.
This report has been electronically signed.
Report Approved By:

Ken A. Hayes

Senior Project Manager

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

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTK3173
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	11/26/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NTK3173-01 (867 Cobia - Soil) Sampled: 11/22/10 11:00										
General Chemistry Parameters										
% Dry Solids	94.4		%	0.500	0.500	1	11/30/10 09:09	SW-846	HLB	10K5604
Volatile Organic Compounds by EPA Method 8260B										
Benzene	ND		mg/kg dry	0.00131	0.00238	1	12/01/10 20:12	SW846 8260B	MJH H	10K5219
Ethylbenzene	ND		mg/kg dry	0.00116	0.00238	1	12/01/10 20:12	SW846 8260B	MJH H	10K5219
Naphthalene	ND		mg/kg dry	0.00202	0.00594	1	12/01/10 20:12	SW846 8260B	MJH H	10K5219
Toluene	ND		mg/kg dry	0.00106	0.00238	1	12/01/10 20:12	SW846 8260B	MJH H	10K5219
Xylenes, total	ND		mg/kg dry	0.00226	0.00594	1	12/01/10 20:12	SW846 8260B	MJH H	10K5219
Surr: 1,2-Dichloroethane-d4 (67-138%)	*81 %*					*1*	*12/01/10 20:12*	*SW846 8260B*	*MJH H*	*10K5219*
Surr: Dibromofluoromethane (75-125%)	*90 %*					*1*	*12/01/10 20:12*	*SW846 8260B*	*MJH H*	*10K5219*
Surr: Toluene-d8 (76-129%)	*104 %*					*1*	*12/01/10 20:12*	*SW846 8260B*	*MJH H*	*10K5219*
Surr: 4-Bromofluorobenzene (67-147%)	*102 %*					*1*	*12/01/10 20:12*	*SW846 8260B*	*MJH H*	*10K5219*
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0148	0.0709	1	12/01/10 21:19	SW846 8270D	KJP	10K5670
Acenaphthylene	ND		mg/kg dry	0.0212	0.0709	1	12/01/10 21:19	SW846 8270D	KJP	10K5670
Anthracene	ND		mg/kg dry	0.00952	0.0709	1	12/01/10 21:19	SW846 8270D	KJP	10K5670
Benzo (a) anthracene	ND		mg/kg dry	0.0116	0.0709	1	12/01/10 21:19	SW846 8270D	KJP	10K5670
Benzo (a) pyrene	ND		mg/kg dry	0.00846	0.0709	1	12/01/10 21:19	SW846 8270D	KJP	10K5670
Benzo (b) fluoranthene	ND		mg/kg dry	0.0402	0.0709	1	12/01/10 21:19	SW846 8270D	KJP	10K5670
Benzo (g,h,i) perylene	ND		mg/kg dry	0.00952	0.0709	1	12/01/10 21:19	SW846 8270D	KJP	10K5670
Benzo (k) fluoranthene	ND		mg/kg dry	0.0391	0.0709	1	12/01/10 21:19	SW846 8270D	KJP	10K5670
Chrysene	ND		mg/kg dry	0.0328	0.0709	1	12/01/10 21:19	SW846 8270D	KJP	10K5670
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0159	0.0709	1	12/01/10 21:19	SW846 8270D	KJP	10K5670
Fluoranthene	ND		mg/kg dry	0.0116	0.0709	1	12/01/10 21:19	SW846 8270D	KJP	10K5670
Fluorene	ND		mg/kg dry	0.0212	0.0709	1	12/01/10 21:19	SW846 8270D	KJP	10K5670
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0328	0.0709	1	12/01/10 21:19	SW846 8270D	KJP	10K5670
Naphthalene	ND		mg/kg dry	0.0148	0.0709	1	12/01/10 21:19	SW846 8270D	KJP	10K5670
Phenanthrene	ND		mg/kg dry	0.0106	0.0709	1	12/01/10 21:19	SW846 8270D	KJP	10K5670
Pyrene	ND		mg/kg dry	0.0243	0.0709	1	12/01/10 21:19	SW846 8270D	KJP	10K5670
1-Methylnaphthalene	ND		mg/kg dry	0.0127	0.0709	1	12/01/10 21:19	SW846 8270D	KJP	10K5670
2-Methylnaphthalene	ND		mg/kg dry	0.0222	0.0709	1	12/01/10 21:19	SW846 8270D	KJP	10K5670
Surr: Terphenyl-d14 (18-120%)	*67 %*					*1*	*12/01/10 21:19*	*SW846 8270D*	*KJP*	*10K5670*
Surr: 2-Fluorobiphenyl (14-120%)	*68 %*					*1*	*12/01/10 21:19*	*SW846 8270D*	*KJP*	*10K5670*
Surr: Nitrobenzene-d5 (17-120%)	*66 %*					*1*	*12/01/10 21:19*	*SW846 8270D*	*KJP*	*10K5670*

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

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTK3173
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	11/26/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NTK3173-02 (870 Cobia - Soil) Sampled: 11/22/10 15:15										
General Chemistry Parameters										
% Dry Solids	**94.9**		%	0.500	0.500	1	11/30/10 09:09	SW-846	HLB	10K5604
Volatile Organic Compounds by EPA Method 8260B										
Benzene	ND		mg/kg dry	0.00121	0.00220	1	12/01/10 20:43	SW846 8260B	MJH H	10K5219
Ethylbenzene	ND		mg/kg dry	0.00108	0.00220	1	12/01/10 20:43	SW846 8260B	MJH H	10K5219
Naphthalene	ND		mg/kg dry	0.00187	0.00550	1	12/01/10 20:43	SW846 8260B	MJH H	10K5219
Toluene	ND		mg/kg dry	0.000979	0.00220	1	12/01/10 20:43	SW846 8260B	MJH H	10K5219
Xylenes, total	ND		mg/kg dry	0.00209	0.00550	1	12/01/10 20:43	SW846 8260B	MJH H	10K5219
Surr: 1,2-Dichloroethane-d4 (67-138%)	*81 %*					*1*	*12/01/10 20:43*	*SW846 8260B*	*MJH H*	*10K5219*
Surr: Dibromofluoromethane (75-125%)	*91 %*					*1*	*12/01/10 20:43*	*SW846 8260B*	*MJH H*	*10K5219*
Surr: Toluene-d8 (76-129%)	*104 %*					*1*	*12/01/10 20:43*	*SW846 8260B*	*MJH H*	*10K5219*
Surr: 4-Bromofluorobenzene (67-147%)	*102 %*					*1*	*12/01/10 20:43*	*SW846 8260B*	*MJH H*	*10K5219*
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0147	0.0702	1	12/01/10 21:39	SW846 8270D	KJP	10K5670
Acenaphthylene	ND		mg/kg dry	0.0210	0.0702	1	12/01/10 21:39	SW846 8270D	KJP	10K5670
Anthracene	ND		mg/kg dry	0.00943	0.0702	1	12/01/10 21:39	SW846 8270D	KJP	10K5670
Benzo (a) anthracene	ND		mg/kg dry	0.0115	0.0702	1	12/01/10 21:39	SW846 8270D	KJP	10K5670
Benzo (a) pyrene	**0.140**		mg/kg dry	0.00838	0.0702	1	12/01/10 21:39	SW846 8270D	KJP	10K5670
Benzo (b) fluoranthene	**0.138**		mg/kg dry	0.0398	0.0702	1	12/01/10 21:39	SW846 8270D	KJP	10K5670
Benzo (g,h,i) perylene	ND		mg/kg dry	0.00943	0.0702	1	12/01/10 21:39	SW846 8270D	KJP	10K5670
Benzo (k) fluoranthene	ND		mg/kg dry	0.0388	0.0702	1	12/01/10 21:39	SW846 8270D	KJP	10K5670
Chrysene	**0.0789**		mg/kg dry	0.0325	0.0702	1	12/01/10 21:39	SW846 8270D	KJP	10K5670
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0157	0.0702	1	12/01/10 21:39	SW846 8270D	KJP	10K5670
Fluoranthene	ND		mg/kg dry	0.0115	0.0702	1	12/01/10 21:39	SW846 8270D	KJP	10K5670
Fluorene	ND		mg/kg dry	0.0210	0.0702	1	12/01/10 21:39	SW846 8270D	KJP	10K5670
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0325	0.0702	1	12/01/10 21:39	SW846 8270D	KJP	10K5670
Naphthalene	ND		mg/kg dry	0.0147	0.0702	1	12/01/10 21:39	SW846 8270D	KJP	10K5670
Phenanthrene	ND		mg/kg dry	0.0105	0.0702	1	12/01/10 21:39	SW846 8270D	KJP	10K5670
Pyrene	ND		mg/kg dry	0.0241	0.0702	1	12/01/10 21:39	SW846 8270D	KJP	10K5670
1-Methylnaphthalene	ND		mg/kg dry	0.0126	0.0702	1	12/01/10 21:39	SW846 8270D	KJP	10K5670
2-Methylnaphthalene	ND		mg/kg dry	0.0220	0.0702	1	12/01/10 21:39	SW846 8270D	KJP	10K5670
Surr: Terphenyl-d14 (18-120%)	*75 %*					*1*	*12/01/10 21:39*	*SW846 8270D*	*KJP*	*10K5670*
Surr: 2-Fluorobiphenyl (14-120%)	*67 %*					*1*	*12/01/10 21:39*	*SW846 8270D*	*KJP*	*10K5670*
Surr: Nitrobenzene-d5 (17-120%)	*67 %*					*1*	*12/01/10 21:39*	*SW846 8270D*	*KJP*	*10K5670*

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTK3173
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	11/26/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NTK3173-03 (871 Cobia - Soil) Sampled: 11/23/10 10:15										
General Chemistry Parameters										
% Dry Solids	96.6		%	0.500	0.500	1	11/30/10 09:09	SW-846	HLB	10K5604
Volatile Organic Compounds by EPA Method 8260B										
Benzene	ND		mg/kg dry	0.00120	0.00218	1	12/01/10 21:14	SW846 8260B	MJH H	10K5219
Ethylbenzene	ND		mg/kg dry	0.00107	0.00218	1	12/01/10 21:14	SW846 8260B	MJH H	10K5219
Naphthalene	ND		mg/kg dry	0.00185	0.00544	1	12/01/10 21:14	SW846 8260B	MJH H	10K5219
Toluene	ND		mg/kg dry	0.000968	0.00218	1	12/01/10 21:14	SW846 8260B	MJH H	10K5219
Xylenes, total	ND		mg/kg dry	0.00207	0.00544	1	12/01/10 21:14	SW846 8260B	MJH H	10K5219
Surr: 1,2-Dichloroethane-d4 (67-138%)	*82 %*					*1*	*12/01/10 21:14*	*SW846 8260B*	*MJH H*	*10K5219*
Surr: Dibromofluoromethane (75-125%)	*91 %*					*1*	*12/01/10 21:14*	*SW846 8260B*	*MJH H*	*10K5219*
Surr: Toluene-d8 (76-129%)	*94 %*					*1*	*12/01/10 21:14*	*SW846 8260B*	*MJH H*	*10K5219*
Surr: 4-Bromofluorobenzene (67-147%)	*105 %*					*1*	*12/01/10 21:14*	*SW846 8260B*	*MJH H*	*10K5219*
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0144	0.0688	1	12/01/10 21:58	SW846 8270D	KJP	10K5670
Acenaphthylene	ND		mg/kg dry	0.0205	0.0688	1	12/01/10 21:58	SW846 8270D	KJP	10K5670
Anthracene	ND		mg/kg dry	0.00925	0.0688	1	12/01/10 21:58	SW846 8270D	KJP	10K5670
Benzo (a) anthracene	ND		mg/kg dry	0.0113	0.0688	1	12/01/10 21:58	SW846 8270D	KJP	10K5670
Benzo (a) pyrene	ND		mg/kg dry	0.00822	0.0688	1	12/01/10 21:58	SW846 8270D	KJP	10K5670
Benzo (b) fluoranthene	ND		mg/kg dry	0.0390	0.0688	1	12/01/10 21:58	SW846 8270D	KJP	10K5670
Benzo (g,h,i) perylene	ND		mg/kg dry	0.00925	0.0688	1	12/01/10 21:58	SW846 8270D	KJP	10K5670
Benzo (k) fluoranthene	ND		mg/kg dry	0.0380	0.0688	1	12/01/10 21:58	SW846 8270D	KJP	10K5670
Chrysene	ND		mg/kg dry	0.0318	0.0688	1	12/01/10 21:58	SW846 8270D	KJP	10K5670
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0154	0.0688	1	12/01/10 21:58	SW846 8270D	KJP	10K5670
Fluoranthene	ND		mg/kg dry	0.0113	0.0688	1	12/01/10 21:58	SW846 8270D	KJP	10K5670
Fluorene	ND		mg/kg dry	0.0205	0.0688	1	12/01/10 21:58	SW846 8270D	KJP	10K5670
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0318	0.0688	1	12/01/10 21:58	SW846 8270D	KJP	10K5670
Naphthalene	ND		mg/kg dry	0.0144	0.0688	1	12/01/10 21:58	SW846 8270D	KJP	10K5670
Phenanthrene	ND		mg/kg dry	0.0103	0.0688	1	12/01/10 21:58	SW846 8270D	KJP	10K5670
Pyrene	ND		mg/kg dry	0.0236	0.0688	1	12/01/10 21:58	SW846 8270D	KJP	10K5670
1-Methylnaphthalene	ND		mg/kg dry	0.0123	0.0688	1	12/01/10 21:58	SW846 8270D	KJP	10K5670
2-Methylnaphthalene	ND		mg/kg dry	0.0216	0.0688	1	12/01/10 21:58	SW846 8270D	KJP	10K5670
Surr: Terphenyl-d14 (18-120%)	*56 %*					*1*	*12/01/10 21:58*	*SW846 8270D*	*KJP*	*10K5670*
Surr: 2-Fluorobiphenyl (14-120%)	*51 %*					*1*	*12/01/10 21:58*	*SW846 8270D*	*KJP*	*10K5670*
Surr: Nitrobenzene-d5 (17-120%)	*49 %*					*1*	*12/01/10 21:58*	*SW846 8270D*	*KJP*	*10K5670*

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTK3173
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	11/26/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NTK3173-04 (877 Cobia - Soil) Sampled: 11/23/10 15:15										
General Chemistry Parameters										
% Dry Solids	**90.0**		%	0.500	0.500	1	11/30/10 09:09	SW-846	HLB	10K5604
Volatile Organic Compounds by EPA Method 8260B										
Benzene	ND		mg/kg dry	0.00127	0.00231	1	12/03/10 15:46	SW846 8260B	MJH H	10L0802
Ethylbenzene	ND		mg/kg dry	0.00113	0.00231	1	12/03/10 15:46	SW846 8260B	MJH H	10L0802
Naphthalene	ND		mg/kg dry	0.00196	0.00577	1	12/03/10 15:46	SW846 8260B	MJH H	10L0802
Toluene	ND		mg/kg dry	0.00103	0.00231	1	12/03/10 15:46	SW846 8260B	MJH H	10L0802
Xylenes, total	ND		mg/kg dry	0.00219	0.00577	1	12/03/10 15:46	SW846 8260B	MJH H	10L0802
Surr: 1,2-Dichloroethane-d4 (67-138%)	*100 %*					*1*	*12/03/10 15:46*	*SW846 8260B*	*MJH H*	*10L0802*
Surr: Dibromofluoromethane (75-125%)	*101 %*					*1*	*12/03/10 15:46*	*SW846 8260B*	*MJH H*	*10L0802*
Surr: Toluene-d8 (76-129%)	*105 %*					*1*	*12/03/10 15:46*	*SW846 8260B*	*MJH H*	*10L0802*
Surr: 4-Bromofluorobenzene (67-147%)	*101 %*					*1*	*12/03/10 15:46*	*SW846 8260B*	*MJH H*	*10L0802*
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0152	0.0729	1	12/01/10 22:17	SW846 8270D	KJP	10K5670
Acenaphthylene	ND		mg/kg dry	0.0217	0.0729	1	12/01/10 22:17	SW846 8270D	KJP	10K5670
Anthracene	ND		mg/kg dry	0.00979	0.0729	1	12/01/10 22:17	SW846 8270D	KJP	10K5670
Benzo (a) anthracene	ND		mg/kg dry	0.0120	0.0729	1	12/01/10 22:17	SW846 8270D	KJP	10K5670
Benzo (a) pyrene	ND		mg/kg dry	0.00870	0.0729	1	12/01/10 22:17	SW846 8270D	KJP	10K5670
Benzo (b) fluoranthene	ND		mg/kg dry	0.0413	0.0729	1	12/01/10 22:17	SW846 8270D	KJP	10K5670
Benzo (g,h,i) perylene	ND		mg/kg dry	0.00979	0.0729	1	12/01/10 22:17	SW846 8270D	KJP	10K5670
Benzo (k) fluoranthene	ND		mg/kg dry	0.0402	0.0729	1	12/01/10 22:17	SW846 8270D	KJP	10K5670
Chrysene	ND		mg/kg dry	0.0337	0.0729	1	12/01/10 22:17	SW846 8270D	KJP	10K5670
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0163	0.0729	1	12/01/10 22:17	SW846 8270D	KJP	10K5670
Fluoranthene	ND		mg/kg dry	0.0120	0.0729	1	12/01/10 22:17	SW846 8270D	KJP	10K5670
Fluorene	ND		mg/kg dry	0.0217	0.0729	1	12/01/10 22:17	SW846 8270D	KJP	10K5670
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0337	0.0729	1	12/01/10 22:17	SW846 8270D	KJP	10K5670
Naphthalene	ND		mg/kg dry	0.0152	0.0729	1	12/01/10 22:17	SW846 8270D	KJP	10K5670
Phenanthrene	ND		mg/kg dry	0.0109	0.0729	1	12/01/10 22:17	SW846 8270D	KJP	10K5670
Pyrene	ND		mg/kg dry	0.0250	0.0729	1	12/01/10 22:17	SW846 8270D	KJP	10K5670
1-Methylnaphthalene	ND		mg/kg dry	0.0130	0.0729	1	12/01/10 22:17	SW846 8270D	KJP	10K5670
2-Methylnaphthalene	ND		mg/kg dry	0.0228	0.0729	1	12/01/10 22:17	SW846 8270D	KJP	10K5670
Surr: Terphenyl-d14 (18-120%)	*67 %*					*1*	*12/01/10 22:17*	*SW846 8270D*	*KJP*	*10K5670*
Surr: 2-Fluorobiphenyl (14-120%)	*67 %*					*1*	*12/01/10 22:17*	*SW846 8270D*	*KJP*	*10K5670*
Surr: Nitrobenzene-d5 (17-120%)	*65 %*					*1*	*12/01/10 22:17*	*SW846 8270D*	*KJP*	*10K5670*

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTK3173
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	11/26/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NTK3173-05 (878 Cobia - Soil) Sampled: 11/24/10 10:45										
General Chemistry Parameters										
% Dry Solids	**94.2**		%	0.500	0.500	1	11/30/10 09:09	SW-846	HLB	10K5604
Volatile Organic Compounds by EPA Method 8260B										
Benzene	ND		mg/kg dry	0.00129	0.00235	1	12/03/10 16:16	SW846 8260B	MJH H	10L0802
Ethylbenzene	ND		mg/kg dry	0.00115	0.00235	1	12/03/10 16:16	SW846 8260B	MJH H	10L0802
Naphthalene	ND		mg/kg dry	0.00200	0.00587	1	12/03/10 16:16	SW846 8260B	MJH H	10L0802
Toluene	ND		mg/kg dry	0.00104	0.00235	1	12/03/10 16:16	SW846 8260B	MJH H	10L0802
Xylenes, total	ND		mg/kg dry	0.00223	0.00587	1	12/03/10 16:16	SW846 8260B	MJH H	10L0802
Surr: 1,2-Dichloroethane-d4 (67-138%)	*101 %*					*1*	*12/03/10 16:16*	*SW846 8260B*	*MJH H*	*10L0802*
Surr: Dibromofluoromethane (75-125%)	*102 %*					*1*	*12/03/10 16:16*	*SW846 8260B*	*MJH H*	*10L0802*
Surr: Toluene-d8 (76-129%)	*108 %*					*1*	*12/03/10 16:16*	*SW846 8260B*	*MJH H*	*10L0802*
Surr: 4-Bromofluorobenzene (67-147%)	*106 %*					*1*	*12/03/10 16:16*	*SW846 8260B*	*MJH H*	*10L0802*
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0147	0.0704	1	12/01/10 22:37	SW846 8270D	KJP	10K5670
Acenaphthylene	ND		mg/kg dry	0.0210	0.0704	1	12/01/10 22:37	SW846 8270D	KJP	10K5670
Anthracene	ND		mg/kg dry	0.00946	0.0704	1	12/01/10 22:37	SW846 8270D	KJP	10K5670
Benzo (a) anthracene	**0.344**		mg/kg dry	0.0116	0.0704	1	12/01/10 22:37	SW846 8270D	KJP	10K5670
Benzo (a) pyrene	**0.383**		mg/kg dry	0.00841	0.0704	1	12/01/10 22:37	SW846 8270D	KJP	10K5670
Benzo (b) fluoranthene	**1.04**		mg/kg dry	0.0399	0.0704	1	12/01/10 22:37	SW846 8270D	KJP	10K5670
Benzo (g,h,i) perylene	**0.889**		mg/kg dry	0.00946	0.0704	1	12/01/10 22:37	SW846 8270D	KJP	10K5670
Benzo (k) fluoranthene	**0.497**		mg/kg dry	0.0389	0.0704	1	12/01/10 22:37	SW846 8270D	KJP	10K5670
Chrysene	**0.556**		mg/kg dry	0.0326	0.0704	1	12/01/10 22:37	SW846 8270D	KJP	10K5670
Dibenz (a,h) anthracene	**0.271**		mg/kg dry	0.0158	0.0704	1	12/01/10 22:37	SW846 8270D	KJP	10K5670
Fluoranthene	**0.404**		mg/kg dry	0.0116	0.0704	1	12/01/10 22:37	SW846 8270D	KJP	10K5670
Fluorene	ND		mg/kg dry	0.0210	0.0704	1	12/01/10 22:37	SW846 8270D	KJP	10K5670
Indeno (1,2,3-cd) pyrene	**0.802**		mg/kg dry	0.0326	0.0704	1	12/01/10 22:37	SW846 8270D	KJP	10K5670
Naphthalene	ND		mg/kg dry	0.0147	0.0704	1	12/01/10 22:37	SW846 8270D	KJP	10K5670
Phenanthrene	ND		mg/kg dry	0.0105	0.0704	1	12/01/10 22:37	SW846 8270D	KJP	10K5670
Pyrene	**0.539**		mg/kg dry	0.0242	0.0704	1	12/01/10 22:37	SW846 8270D	KJP	10K5670
1-Methylnaphthalene	ND		mg/kg dry	0.0126	0.0704	1	12/01/10 22:37	SW846 8270D	KJP	10K5670
2-Methylnaphthalene	ND		mg/kg dry	0.0221	0.0704	1	12/01/10 22:37	SW846 8270D	KJP	10K5670
Surr: Terphenyl-d14 (18-120%)	*66 %*					*1*	*12/01/10 22:37*	*SW846 8270D*	*KJP*	*10K5670*
Surr: 2-Fluorobiphenyl (14-120%)	*68 %*					*1*	*12/01/10 22:37*	*SW846 8270D*	*KJP*	*10K5670*
Surr: Nitrobenzene-d5 (17-120%)	*64 %*					*1*	*12/01/10 22:37*	*SW846 8270D*	*KJP*	*10K5670*

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

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTK3173
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	11/26/10 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	10K5670	NTK3173-01	30.05	1.00	12/01/10 14:25	SAS	EPA 3550C
SW846 8270D	10K5670	NTK3173-02	30.18	1.00	12/01/10 14:25	SAS	EPA 3550C
SW846 8270D	10K5670	NTK3173-03	30.24	1.00	12/01/10 14:25	SAS	EPA 3550C
SW846 8270D	10K5670	NTK3173-04	30.65	1.00	12/01/10 14:25	SAS	EPA 3550C
SW846 8270D	10K5670	NTK3173-05	30.29	1.00	12/01/10 14:25	SAS	EPA 3550C
Volatile Organic Compounds by EPA Method 8260B							
SW846 8260B	10K5219	NTK3173-01	4.46	5.00	11/22/10 11:00	CHH	EPA 5035
SW846 8260B	10K5219	NTK3173-02	4.79	5.00	11/22/10 15:15	CHH	EPA 5035
SW846 8260B	10K5219	NTK3173-03	4.76	5.00	11/23/10 10:15	CHH	EPA 5035
SW846 8260B	10L0802	NTK3173-04	4.81	5.00	11/23/10 15:15	CHH	EPA 5035
SW846 8260B	10L0802	NTK3173-05	4.52	5.00	11/23/10 10:45	CHH	EPA 5035

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

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTK3173
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	11/26/10 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						
10K5219-BLK1						
Benzene	<0.00110		mg/kg wet	10K5219	10K5219-BLK1	12/01/10 12:35
Ethylbenzene	<0.000980		mg/kg wet	10K5219	10K5219-BLK1	12/01/10 12:35
Naphthalene	<0.00170		mg/kg wet	10K5219	10K5219-BLK1	12/01/10 12:35
Toluene	<0.000890		mg/kg wet	10K5219	10K5219-BLK1	12/01/10 12:35
Xylenes, total	<0.00190		mg/kg wet	10K5219	10K5219-BLK1	12/01/10 12:35
Surrogate: 1,2-Dichloroethane-d4	81%			10K5219	10K5219-BLK1	12/01/10 12:35
Surrogate: Dibromofluoromethane	91%			10K5219	10K5219-BLK1	12/01/10 12:35
Surrogate: Toluene-d8	102%			10K5219	10K5219-BLK1	12/01/10 12:35
Surrogate: 4-Bromofluorobenzene	101%			10K5219	10K5219-BLK1	12/01/10 12:35
10L0802-BLK1						
Benzene	<0.00110		mg/kg wet	10L0802	10L0802-BLK1	12/03/10 13:47
Ethylbenzene	<0.000980		mg/kg wet	10L0802	10L0802-BLK1	12/03/10 13:47
Naphthalene	<0.00170		mg/kg wet	10L0802	10L0802-BLK1	12/03/10 13:47
Toluene	<0.000890		mg/kg wet	10L0802	10L0802-BLK1	12/03/10 13:47
Xylenes, total	<0.00190		mg/kg wet	10L0802	10L0802-BLK1	12/03/10 13:47
Surrogate: 1,2-Dichloroethane-d4	99%			10L0802	10L0802-BLK1	12/03/10 13:47
Surrogate: Dibromofluoromethane	101%			10L0802	10L0802-BLK1	12/03/10 13:47
Surrogate: Toluene-d8	102%			10L0802	10L0802-BLK1	12/03/10 13:47
Surrogate: 4-Bromofluorobenzene	98%			10L0802	10L0802-BLK1	12/03/10 13:47
10L0802-BLK2						
Benzene	<0.0550		mg/kg wet	10L0802	10L0802-BLK2	12/03/10 14:17
Ethylbenzene	<0.0490		mg/kg wet	10L0802	10L0802-BLK2	12/03/10 14:17
Naphthalene	<0.0850		mg/kg wet	10L0802	10L0802-BLK2	12/03/10 14:17
Toluene	<0.0445		mg/kg wet	10L0802	10L0802-BLK2	12/03/10 14:17
Xylenes, total	<0.0950		mg/kg wet	10L0802	10L0802-BLK2	12/03/10 14:17
Surrogate: 1,2-Dichloroethane-d4	95%			10L0802	10L0802-BLK2	12/03/10 14:17
Surrogate: Dibromofluoromethane	97%			10L0802	10L0802-BLK2	12/03/10 14:17
Surrogate: Toluene-d8	103%			10L0802	10L0802-BLK2	12/03/10 14:17
Surrogate: 4-Bromofluorobenzene	96%			10L0802	10L0802-BLK2	12/03/10 14:17
Polyaromatic Hydrocarbons by EPA 8270D						
10K5670-BLK1						
Acenaphthene	<0.0140		mg/kg wet	10K5670	10K5670-BLK1	12/01/10 20:01
Acenaphthylene	<0.0200		mg/kg wet	10K5670	10K5670-BLK1	12/01/10 20:01
Anthracene	<0.00900		mg/kg wet	10K5670	10K5670-BLK1	12/01/10 20:01
Benzo (a) anthracene	<0.0110		mg/kg wet	10K5670	10K5670-BLK1	12/01/10 20:01
Benzo (a) pyrene	<0.00800		mg/kg wet	10K5670	10K5670-BLK1	12/01/10 20:01
Benzo (b) fluoranthene	<0.0380		mg/kg wet	10K5670	10K5670-BLK1	12/01/10 20:01
Benzo (g,h,i) perylene	<0.00900		mg/kg wet	10K5670	10K5670-BLK1	12/01/10 20:01
Benzo (k) fluoranthene	<0.0370		mg/kg wet	10K5670	10K5670-BLK1	12/01/10 20:01

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

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTK3173
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	11/26/10 08:00

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Polyaromatic Hydrocarbons by EPA 8270D						
10K5670-BLK1						
Chrysene	<0.0310		mg/kg wet	10K5670	10K5670-BLK1	12/01/10 20:01
Dibenz (a,h) anthracene	<0.0150		mg/kg wet	10K5670	10K5670-BLK1	12/01/10 20:01
Fluoranthene	<0.0110		mg/kg wet	10K5670	10K5670-BLK1	12/01/10 20:01
Fluorene	<0.0200		mg/kg wet	10K5670	10K5670-BLK1	12/01/10 20:01
Indeno (1,2,3-cd) pyrene	<0.0310		mg/kg wet	10K5670	10K5670-BLK1	12/01/10 20:01
Naphthalene	<0.0140		mg/kg wet	10K5670	10K5670-BLK1	12/01/10 20:01
Phenanthrene	<0.0100		mg/kg wet	10K5670	10K5670-BLK1	12/01/10 20:01
Pyrene	<0.0230		mg/kg wet	10K5670	10K5670-BLK1	12/01/10 20:01
1-Methylnaphthalene	<0.0120		mg/kg wet	10K5670	10K5670-BLK1	12/01/10 20:01
2-Methylnaphthalene	<0.0210		mg/kg wet	10K5670	10K5670-BLK1	12/01/10 20:01
Surrogate: Terphenyl-d14	78%			10K5670	10K5670-BLK1	12/01/10 20:01
Surrogate: 2-Fluorobiphenyl	83%			10K5670	10K5670-BLK1	12/01/10 20:01
Surrogate: Nitrobenzene-d5	82%			10K5670	10K5670-BLK1	12/01/10 20:01

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTK3173
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	11/26/10 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										
10K5604-DUP1										
% Dry Solids	88.2	89.9		%	2	20	10K5604	NTK3151-01		11/30/10 09:09

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

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	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	11/26/10 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								
10K5219-BS1								
Benzene	50.0	51.4		ug/kg	103%	78 - 126	10K5219	12/01/10 11:03
Ethylbenzene	50.0	58.0		ug/kg	116%	79 - 130	10K5219	12/01/10 11:03
Naphthalene	50.0	55.5		ug/kg	111%	72 - 150	10K5219	12/01/10 11:03
Toluene	50.0	53.5		ug/kg	107%	76 - 126	10K5219	12/01/10 11:03
Xylenes, total	150	167		ug/kg	112%	80 - 130	10K5219	12/01/10 11:03
Surrogate: 1,2-Dichloroethane-d4	50.0	41.1			82%	67 - 138	10K5219	12/01/10 11:03
Surrogate: Dibromofluoromethane	50.0	45.9			92%	75 - 125	10K5219	12/01/10 11:03
Surrogate: Toluene-d8	50.0	47.9			96%	76 - 129	10K5219	12/01/10 11:03
Surrogate: 4-Bromofluorobenzene	50.0	49.8			100%	67 - 147	10K5219	12/01/10 11:03
10L0802-BS1								
Benzene	50.0	52.3		ug/kg	105%	78 - 126	10L0802	12/03/10 11:05
Ethylbenzene	50.0	53.5		ug/kg	107%	79 - 130	10L0802	12/03/10 11:05
Naphthalene	50.0	54.0		ug/kg	108%	72 - 150	10L0802	12/03/10 11:05
Toluene	50.0	55.1		ug/kg	110%	76 - 126	10L0802	12/03/10 11:05
Xylenes, total	150	163		ug/kg	109%	80 - 130	10L0802	12/03/10 11:05
Surrogate: 1,2-Dichloroethane-d4	50.0	48.8			98%	67 - 138	10L0802	12/03/10 11:05
Surrogate: Dibromofluoromethane	50.0	51.8			104%	75 - 125	10L0802	12/03/10 11:05
Surrogate: Toluene-d8	50.0	50.4			101%	76 - 129	10L0802	12/03/10 11:05
Surrogate: 4-Bromofluorobenzene	50.0	50.4			101%	67 - 147	10L0802	12/03/10 11:05
Polyaromatic Hydrocarbons by EPA 8270D								
10K5670-BS1								
Acenaphthene	1.67	1.22		mg/kg wet	73%	49 - 120	10K5670	12/01/10 20:21
Acenaphthylene	1.67	1.28		mg/kg wet	77%	52 - 120	10K5670	12/01/10 20:21
Anthracene	1.67	1.39		mg/kg wet	84%	58 - 120	10K5670	12/01/10 20:21
Benzo (a) anthracene	1.67	1.39		mg/kg wet	83%	57 - 120	10K5670	12/01/10 20:21
Benzo (a) pyrene	1.67	1.38		mg/kg wet	83%	55 - 120	10K5670	12/01/10 20:21
Benzo (b) fluoranthene	1.67	1.44		mg/kg wet	86%	51 - 123	10K5670	12/01/10 20:21
Benzo (g,h,i) perylene	1.67	1.19		mg/kg wet	72%	49 - 121	10K5670	12/01/10 20:21
Benzo (k) fluoranthene	1.67	1.30		mg/kg wet	78%	42 - 129	10K5670	12/01/10 20:21
Chrysene	1.67	1.32		mg/kg wet	79%	55 - 120	10K5670	12/01/10 20:21
Dibenz (a,h) anthracene	1.67	1.30		mg/kg wet	78%	50 - 123	10K5670	12/01/10 20:21
Fluoranthene	1.67	1.40		mg/kg wet	84%	58 - 120	10K5670	12/01/10 20:21
Fluorene	1.67	1.32		mg/kg wet	79%	54 - 120	10K5670	12/01/10 20:21
Indeno (1,2,3-cd) pyrene	1.67	1.30		mg/kg wet	78%	50 - 122	10K5670	12/01/10 20:21
Naphthalene	1.67	1.14		mg/kg wet	68%	28 - 120	10K5670	12/01/10 20:21
Phenanthrene	1.67	1.36		mg/kg wet	81%	56 - 120	10K5670	12/01/10 20:21
Pyrene	1.67	1.20		mg/kg wet	72%	56 - 120	10K5670	12/01/10 20:21
1-Methylnaphthalene	1.67	1.02		mg/kg wet	61%	36 - 120	10K5670	12/01/10 20:21
2-Methylnaphthalene	1.67	1.07		mg/kg wet	64%	36 - 120	10K5670	12/01/10 20:21

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

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTK3173
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	11/26/10 08:00

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Polyaromatic Hydrocarbons by EPA 8270D								
10K5670-BS1								
Surrogate: Terphenyl-d14	1.67	1.09			66%	18 - 120	10K5670	12/01/10 20:21
Surrogate: 2-Fluorobiphenyl	1.67	1.09			65%	14 - 120	10K5670	12/01/10 20:21
Surrogate: Nitrobenzene-d5	1.67	1.02			61%	17 - 120	10K5670	12/01/10 20:21

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

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTK3173
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	Ladson, SC 29456	Project Number:	[none]
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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												
10K5219-BSD1												
Benzene		51.0		ug/kg	50.0	102%	78 - 126	1	50	10K5219		12/01/10 11:34
Ethylbenzene		56.5		ug/kg	50.0	113%	79 - 130	3	50	10K5219		12/01/10 11:34
Naphthalene		55.2		ug/kg	50.0	110%	72 - 150	0.5	50	10K5219		12/01/10 11:34
Toluene		53.3		ug/kg	50.0	107%	76 - 126	0.5	50	10K5219		12/01/10 11:34
Xylenes, total		163		ug/kg	150	109%	80 - 130	3	50	10K5219		12/01/10 11:34
Surrogate: 1,2-Dichloroethane-d4		40.3		ug/kg	50.0	81%	67 - 138			10K5219		12/01/10 11:34
Surrogate: Dibromofluoromethane		45.5		ug/kg	50.0	91%	75 - 125			10K5219		12/01/10 11:34
Surrogate: Toluene-d8		48.3		ug/kg	50.0	97%	76 - 129			10K5219		12/01/10 11:34
Surrogate: 4-Bromofluorobenzene		50.4		ug/kg	50.0	101%	67 - 147			10K5219		12/01/10 11:34
10L0802-BSD1												
Benzene		52.9		ug/kg	50.0	106%	78 - 126	1	50	10L0802		12/03/10 11:36
Ethylbenzene		53.7		ug/kg	50.0	107%	79 - 130	0.5	50	10L0802		12/03/10 11:36
Naphthalene		54.0		ug/kg	50.0	108%	72 - 150	0.09	50	10L0802		12/03/10 11:36
Toluene		56.1		ug/kg	50.0	112%	76 - 126	2	50	10L0802		12/03/10 11:36
Xylenes, total		164		ug/kg	150	109%	80 - 130	0.3	50	10L0802		12/03/10 11:36
Surrogate: 1,2-Dichloroethane-d4		48.7		ug/kg	50.0	97%	67 - 138			10L0802		12/03/10 11:36
Surrogate: Dibromofluoromethane		50.8		ug/kg	50.0	102%	75 - 125			10L0802		12/03/10 11:36
Surrogate: Toluene-d8		50.7		ug/kg	50.0	101%	76 - 129			10L0802		12/03/10 11:36
Surrogate: 4-Bromofluorobenzene		51.0		ug/kg	50.0	102%	67 - 147			10L0802		12/03/10 11:36

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTK3173
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	11/26/10 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										
10K5219-MS1										
Benzene	ND	0.0606		mg/kg dry	0.0609	100%	42 - 141	10K5219	NTK3149-31	12/01/10 21:44
Ethylbenzene	ND	0.0690		mg/kg dry	0.0609	113%	21 - 165	10K5219	NTK3149-31	12/01/10 21:44
Naphthalene	ND	0.0547		mg/kg dry	0.0609	90%	10 - 160	10K5219	NTK3149-31	12/01/10 21:44
Toluene	ND	0.0662		mg/kg dry	0.0609	109%	45 - 145	10K5219	NTK3149-31	12/01/10 21:44
Xylenes, total	ND	0.195		mg/kg dry	0.183	107%	31 - 159	10K5219	NTK3149-31	12/01/10 21:44
Surrogate: 1,2-Dichloroethane-d4		37.2		ug/kg	50.0	74%	67 - 138	10K5219	NTK3149-31	12/01/10 21:44
Surrogate: Dibromofluoromethane		44.8		ug/kg	50.0	90%	75 - 125	10K5219	NTK3149-31	12/01/10 21:44
Surrogate: Toluene-d8		49.6		ug/kg	50.0	99%	76 - 129	10K5219	NTK3149-31	12/01/10 21:44
Surrogate: 4-Bromofluorobenzene		51.5		ug/kg	50.0	103%	67 - 147	10K5219	NTK3149-31	12/01/10 21:44
10L0802-MS1										
Benzene	ND	0.0508		mg/kg dry	0.0513	99%	42 - 141	10L0802	NTL0373-09	12/03/10 21:55
Ethylbenzene	ND	0.0502		mg/kg dry	0.0513	98%	21 - 165	10L0802	NTL0373-09	12/03/10 21:55
Naphthalene	ND	0.0472		mg/kg dry	0.0513	92%	10 - 160	10L0802	NTL0373-09	12/03/10 21:55
Toluene	0.00160	0.0539		mg/kg dry	0.0513	102%	45 - 145	10L0802	NTL0373-09	12/03/10 21:55
Xylenes, total	0.00451	0.156		mg/kg dry	0.154	99%	31 - 159	10L0802	NTL0373-09	12/03/10 21:55
Surrogate: 1,2-Dichloroethane-d4		49.8		ug/kg	50.0	100%	67 - 138	10L0802	NTL0373-09	12/03/10 21:55
Surrogate: Dibromofluoromethane		52.1		ug/kg	50.0	104%	75 - 125	10L0802	NTL0373-09	12/03/10 21:55
Surrogate: Toluene-d8		50.6		ug/kg	50.0	101%	76 - 129	10L0802	NTL0373-09	12/03/10 21:55
Surrogate: 4-Bromofluorobenzene		49.8		ug/kg	50.0	100%	67 - 147	10L0802	NTL0373-09	12/03/10 21:55
Polyaromatic Hydrocarbons by EPA 8270D										
10K5670-MS1										
Acenaphthene	ND	1.09		mg/kg dry	1.76	62%	42 - 120	10K5670	NTK3173-01	12/01/10 20:41
Acenaphthylene	ND	1.18		mg/kg dry	1.76	67%	32 - 120	10K5670	NTK3173-01	12/01/10 20:41
Anthracene	ND	1.25		mg/kg dry	1.76	71%	10 - 200	10K5670	NTK3173-01	12/01/10 20:41
Benzo (a) anthracene	ND	1.17		mg/kg dry	1.76	67%	41 - 120	10K5670	NTK3173-01	12/01/10 20:41
Benzo (a) pyrene	ND	1.19		mg/kg dry	1.76	68%	33 - 121	10K5670	NTK3173-01	12/01/10 20:41
Benzo (b) fluoranthene	ND	1.31		mg/kg dry	1.76	75%	26 - 137	10K5670	NTK3173-01	12/01/10 20:41
Benzo (g,h,i) perylene	ND	1.05		mg/kg dry	1.76	60%	21 - 124	10K5670	NTK3173-01	12/01/10 20:41
Benzo (k) fluoranthene	ND	1.07		mg/kg dry	1.76	61%	14 - 140	10K5670	NTK3173-01	12/01/10 20:41
Chrysene	ND	1.14		mg/kg dry	1.76	65%	28 - 123	10K5670	NTK3173-01	12/01/10 20:41
Dibenz (a,h) anthracene	ND	1.16		mg/kg dry	1.76	66%	25 - 127	10K5670	NTK3173-01	12/01/10 20:41
Fluoranthene	ND	1.28		mg/kg dry	1.76	72%	38 - 120	10K5670	NTK3173-01	12/01/10 20:41
Fluorene	ND	1.18		mg/kg dry	1.76	67%	41 - 120	10K5670	NTK3173-01	12/01/10 20:41
Indeno (1,2,3-cd) pyrene	ND	1.12		mg/kg dry	1.76	64%	25 - 123	10K5670	NTK3173-01	12/01/10 20:41
Naphthalene	ND	1.02		mg/kg dry	1.76	58%	25 - 120	10K5670	NTK3173-01	12/01/10 20:41
Phenanthrene	ND	1.22		mg/kg dry	1.76	69%	37 - 120	10K5670	NTK3173-01	12/01/10 20:41

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

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTK3173
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	11/26/10 08:00

PROJECT QUALITY CONTROL DATA
Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Polyaromatic Hydrocarbons by EPA 8270D										
10K5670-MS1										
Pyrene	ND	1.06		mg/kg dry	1.76	60%	29 - 125	10K5670	NTK3173-01	12/01/10 20:41
1-Methylnaphthalene	ND	0.905		mg/kg dry	1.76	51%	19 - 120	10K5670	NTK3173-01	12/01/10 20:41
2-Methylnaphthalene	ND	0.996		mg/kg dry	1.76	57%	11 - 120	10K5670	NTK3173-01	12/01/10 20:41
Surrogate: Terphenyl-d14		0.970		mg/kg dry	1.76	55%	18 - 120	10K5670	NTK3173-01	12/01/10 20:41
Surrogate: 2-Fluorobiphenyl		1.03		mg/kg dry	1.76	59%	14 - 120	10K5670	NTK3173-01	12/01/10 20:41
Surrogate: Nitrobenzene-d5		0.949		mg/kg dry	1.76	54%	17 - 120	10K5670	NTK3173-01	12/01/10 20:41

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTK3173
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	11/26/10 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												
10K5219-MSD1												
Benzene	ND	0.0575		mg/kg dry	0.0597	96%	42 - 141	5	50	10K5219	NTK3149-31	12/01/10 22:15
Ethylbenzene	ND	0.0659		mg/kg dry	0.0597	110%	21 - 165	5	50	10K5219	NTK3149-31	12/01/10 22:15
Naphthalene	ND	0.0504		mg/kg dry	0.0597	84%	10 - 160	8	50	10K5219	NTK3149-31	12/01/10 22:15
Toluene	ND	0.0633		mg/kg dry	0.0597	106%	45 - 145	4	50	10K5219	NTK3149-31	12/01/10 22:15
Xylenes, total	ND	0.186		mg/kg dry	0.179	104%	31 - 159	5	50	10K5219	NTK3149-31	12/01/10 22:15
Surrogate: 1,2-Dichloroethane-d4		36.7		ug/kg	50.0	73%	67 - 138			10K5219	NTK3149-31	12/01/10 22:15
Surrogate: Dibromofluoromethane		44.2		ug/kg	50.0	88%	75 - 125			10K5219	NTK3149-31	12/01/10 22:15
Surrogate: Toluene-d8		50.2		ug/kg	50.0	100%	76 - 129			10K5219	NTK3149-31	12/01/10 22:15
Surrogate: 4-Bromofluorobenzene		51.1		ug/kg	50.0	102%	67 - 147			10K5219	NTK3149-31	12/01/10 22:15
10L0802-MSD1												
Benzene	ND	0.0441		mg/kg dry	0.0534	83%	42 - 141	14	50	10L0802	NTL0373-09	12/03/10 22:25
Ethylbenzene	ND	0.0412		mg/kg dry	0.0534	77%	21 - 165	20	50	10L0802	NTL0373-09	12/03/10 22:25
Naphthalene	ND	0.0520		mg/kg dry	0.0534	97%	10 - 160	10	50	10L0802	NTL0373-09	12/03/10 22:25
Toluene	0.00160	0.0444		mg/kg dry	0.0534	80%	45 - 145	19	50	10L0802	NTL0373-09	12/03/10 22:25
Xylenes, total	0.00451	0.131		mg/kg dry	0.160	79%	31 - 159	18	50	10L0802	NTL0373-09	12/03/10 22:25
Surrogate: 1,2-Dichloroethane-d4		54.9		ug/kg	50.0	110%	67 - 138			10L0802	NTL0373-09	12/03/10 22:25
Surrogate: Dibromofluoromethane		50.5		ug/kg	50.0	101%	75 - 125			10L0802	NTL0373-09	12/03/10 22:25
Surrogate: Toluene-d8		49.4		ug/kg	50.0	99%	76 - 129			10L0802	NTL0373-09	12/03/10 22:25
Surrogate: 4-Bromofluorobenzene		48.9		ug/kg	50.0	98%	67 - 147			10L0802	NTL0373-09	12/03/10 22:25
Polyaromatic Hydrocarbons by EPA 8270D												
10K5670-MSD1												
Acenaphthene	ND	1.19		mg/kg dry	1.75	68%	42 - 120	9	40	10K5670	NTK3173-01	12/01/10 21:00
Acenaphthylene	ND	1.26		mg/kg dry	1.75	72%	32 - 120	6	30	10K5670	NTK3173-01	12/01/10 21:00
Anthracene	ND	1.39		mg/kg dry	1.75	79%	10 - 200	10	50	10K5670	NTK3173-01	12/01/10 21:00
Benzo (a) anthracene	ND	1.30		mg/kg dry	1.75	74%	41 - 120	11	30	10K5670	NTK3173-01	12/01/10 21:00
Benzo (a) pyrene	ND	1.32		mg/kg dry	1.75	75%	33 - 121	10	33	10K5670	NTK3173-01	12/01/10 21:00
Benzo (b) fluoranthene	ND	1.35		mg/kg dry	1.75	77%	26 - 137	3	42	10K5670	NTK3173-01	12/01/10 21:00
Benzo (g,h,i) perylene	ND	1.21		mg/kg dry	1.75	69%	21 - 124	14	32	10K5670	NTK3173-01	12/01/10 21:00
Benzo (k) fluoranthene	ND	1.32		mg/kg dry	1.75	76%	14 - 140	21	39	10K5670	NTK3173-01	12/01/10 21:00
Chrysene	ND	1.25		mg/kg dry	1.75	71%	28 - 123	9	34	10K5670	NTK3173-01	12/01/10 21:00
Dibenz (a,h) anthracene	ND	1.29		mg/kg dry	1.75	74%	25 - 127	10	31	10K5670	NTK3173-01	12/01/10 21:00
Fluoranthene	ND	1.36		mg/kg dry	1.75	78%	38 - 120	7	35	10K5670	NTK3173-01	12/01/10 21:00
Fluorene	ND	1.30		mg/kg dry	1.75	74%	41 - 120	9	37	10K5670	NTK3173-01	12/01/10 21:00
Indeno (1,2,3-cd) pyrene	ND	1.27		mg/kg dry	1.75	73%	25 - 123	13	32	10K5670	NTK3173-01	12/01/10 21:00
Naphthalene	ND	1.16		mg/kg dry	1.75	66%	25 - 120	13	42	10K5670	NTK3173-01	12/01/10 21:00
Phenanthrene	ND	1.33		mg/kg dry	1.75	76%	37 - 120	8	32	10K5670	NTK3173-01	12/01/10 21:00
Pyrene	ND	1.16		mg/kg dry	1.75	66%	29 - 125	9	40	10K5670	NTK3173-01	12/01/10 21:00
1-Methylnaphthalene	ND	1.01		mg/kg dry	1.75	57%	19 - 120	11	45	10K5670	NTK3173-01	12/01/10 21:00
2-Methylnaphthalene	ND	1.10		mg/kg dry	1.75	63%	11 - 120	10	50	10K5670	NTK3173-01	12/01/10 21:00

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

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTK3173
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	11/26/10 08:00

PROJECT QUALITY CONTROL DATA

Matrix Spike Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Polyaromatic Hydrocarbons by EPA 8270D												
10K5670-MSD1												
Surrogate: Terphenyl-d14		1.06		mg/kg dry	1.75	60%	18 - 120			10K5670	NTK3173-01	12/01/10 21:00
Surrogate: 2-Fluorobiphenyl		1.12		mg/kg dry	1.75	64%	14 - 120			10K5670	NTK3173-01	12/01/10 21:00
Surrogate: Nitrobenzene-d5		1.06		mg/kg dry	1.75	61%	17 - 120			10K5670	NTK3173-01	12/01/10 21:00

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

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTK3173
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	11/26/10 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			

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

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTK3173
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	11/26/10 08:00

DATA QUALIFIERS AND DEFINITIONS

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

METHOD MODIFICATION NOTES

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

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

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

Compliance Monitoring? Yes ____ No ____

Enforcement Action? Yes ____ No ____

Client Name/Account #: EEG - SBG # 2449

Address: 10179 Highway 78

City/State/Zip: Ladson, SC 29456

Site State: SC

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

PO#: 1005

Telephone Number: 843.412.2097 **Fax No:** (843) 879-0101

TA Quote #:

Sampler Name: (Print) Pratt Shaw

Project ID: Laurel Bay Housing Project

Sampler Signature:

Project #:

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Ice	HNO_3 (Red Label)	HCL (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass(Yellow Label)	None (Black Label)	Other (Specify) Methanol	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	Analyze For: BTEX + Napth - 8260B	PAH - 8270D	RUSH TAT (Pre-Schedule)
1 867 Cobia	11/22/10	1100	3	X					2				2	1					X		X	X	
2 870 Cobia	11/22/10	1515	5	X					2				2	1					X		X	X	
3 871 Cobia	11/23/10	1015	5	X					2				2	1					X		X	X	
4 872 Cobia	11/23/10	1515	5	X					2				2	1					X		X	X	
5 515 Cobia	11/24/10	1045	5	X					2				2	1					X		X	X	

Special Instructions:

Method of Shipment: FEDEX

Relinquished by:	Date	Time	Received by:	Date	Time
	11/24/10	1530	Fedex		
Relinquished by:	**Date**	**Time**	**Received by TestAmerica:**	**Date**	**Time**
				11/26/10	0810

Laboratory Comments:

Temperature Upon Receipt:

VOCs Free of Headspace? Y

ATTACHMENT A

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

3. Generator's Mailing Address:
MCAS, BEAUFORT
LAUREL BAY HOUSING
BEAUFORT, SC 29907
4. Generator's Phone 843-228-6461

Generator's Site Address (If different than mailing):

A. Manifest Number: **WMNA** 00316801
B. State Generator's ID:

5. Transporter 1 Company Name
EEG, INC.

6. US EPA ID Number

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

7. Transporter 2 Company Name

8. US EPA ID Number

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

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

10. US EPA ID Number

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

GENERATOR

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

J. Additional Descriptions for Materials Listed Above

K. Disposal Location
Cell | Level
Grid

15. Special Handling Instructions and Additional Information
USTs From:
1) 847 Azalea 2) 840 Azalea 3) 863 Azalea 4) 867 Cabin 5) 870 Cabin 6) 871 Cabin 7) 925 Barracuda

Purchase Order #

EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:
I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
		12	7	10

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
James Baldwin	James Baldwin	12	7	10

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
Tom Lopez	Tom Lopez	12	7	10

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

Appendix C
Regulatory Correspondence

D H E C

PROMOTE PROTECT PROSPER

Promoting and protecting the health of the public and the environment

Bureau of Land and Waste Management
Division of Waste Management

July 7, 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:

- 824 Azalea
- 826 Azalea
- 827 Azalea
- 829 Azalea
- 884 Cobia
- 830 Azalea
- 833 Azalea
- 839 Azalea
- 843 Azalea
- 885 Cobia
- 937 Albacore
- 754 Althea
- 756 Althea
- 758 Althea
- 887 Cobia
- 836 Azalea
- 838 Azalea
- 845 Azalea
- 847 Azalea
- 881 Cobia
- 863 Azalea
- 867 Cobia
- 870 Cobia
- 871 Cobia
- 881 Cobia
- 877 Cobia
- 876 Cobia

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 February 17, 2011 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)