SUMMARY REPORT
569 DAHLIA DRIVE (FORMERLY 640 DAHLIA 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 202**1**

SUMMARY REPORT
569 DAHLIA DRIVE (FORMERLY 640 DAHLIA 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

Prepared by:

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

Contract Number: N62470-14-D-9016
CTO WE52
JUNE 20**21**

Table of Contents

Tables

Appendices

List of Acronyms

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

1.0 INTRODUCTION

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

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

This report summarizes the results the environmental investigation activities associated with the storage of home heating oil and the potential release of petroleum constituents at the referenced property. Based on the results of the investigation, a No Further Action (NFA) determination has been made by the South Carolina Department of Health and Environmental Control (SCDHEC) for 569 Dahlia Drive (Formerly 640 Dahlia 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 heating oil USTs and conduct sampling activities to determine if, and to what extent, petroleum constituents may have impacted the surrounding environment. MCAS Beaufort coordinated with SCDHEC to develop removal procedures that were consistent with procedural requirements for regulated USTs. All tank removal activities and follow-on actions are conducted in coordination with SCDHEC. To date, all known USTs have been removed from all residential properties within the LBMH area.

1.2 UST Removal and Assessment Process

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

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

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

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

The results of the soil sampling at each former UST location were used to determine if a potential for groundwater contamination exists (i.e., soil results greater than RBSLs) and subsequently to select properties for follow-up initial groundwater assessment (IGWA) sampling. The IGWA sampling process utilizes temporary groundwater sampling points that are typically installed and sampled within the same day. The intent of the sampling point is to determine the presence or absence of the aforementioned COPCs in groundwater and identify whether former UST locations may require additional delineation of COPCs in groundwater. These sampling points are not subjected to the same installation standards as permanent monitoring wells and, as such; the data obtained from the IGWA wells can sometimes be biased high and is considered preliminary data. In order to confirm the presence of any impact to groundwater, a permanent well is installed where IGWA sampling has indicated the presence of free product and/or COPCs is in excess of the SCDHEC RBSLs for groundwater. If COPCs and/or free product are found to be present in the permanent well, additional permanent wells are installed to delineate the extent of impact to groundwater and a sampling program is established. Groundwater analytical results from permanent wells are also compared to the site specific groundwater vapor intrusion screening levels (VISLs) to evaluate the potential for vapor intrusion and the necessity for an investigation associated with this media. A multi-media investigation selection process tree, applicable to the LBMH UST investigations, is presented as Appendix A.

2.0 SAMPLING ACTIVITIES AND RESULTS

The following section presents the sampling activities and associated results for 569 Dahlia Drive (Formerly 640 Dahlia Drive). The sampling activities at 569 Dahlia Drive (Formerly 640 Dahlia Drive) comprised a soil investigation, IGWA activities and installation and sampling of a permanent well. Details regarding the soil investigation at this site are provided in the *SCDHEC UST Assessment Report – 640 Dahlia Drive* (MCAS Beaufort, 2010). The UST Assessment Report is provided in Appendix B. Details regarding the IGWA sampling activities at this site are provided in the *Initial Groundwater Investigation Report – May and June 2015* (Resolution Consultants, 2015). Appendix C is reserved for the laboratory analytical results of the IGWA;

however, due to detection of free product, a groundwater sample could not be collected from this location. Details regarding the permanent well installation and sampling activities at this site are provided in the *Groundwater Assessment Report – June and July 2016* (Resolution Consultants, 2016). The laboratory report that includes the pertinent groundwater analytical results for this site is presented in Appendix D.

2.1 UST Removal and Soil Sampling

On June 24, 2010, two 280 gallon heating oil USTs were removed from the front yard adjacent to the driveway at 569 Dahlia Drive (Formerly 640 Dahlia Drive). The former UST locations are indicated on Figures 2 and 3 of the UST Assessment Report (Appendix B). The USTs were removed and properly disposed of (i.e., shipped offsite for recycling or transported to a landfill). There was no visual evidence (i.e., staining or sheen) of petroleum impact at the time of the UST removals. According to the UST Assessment Report (Appendix B), the depths to the bases of the USTs were 5'2" bgs (Tank 1) and 4'2" bgs (Tank 2) and a single soil sample was collected for each from those depths. The samples were collected from the fill port side of the former UST to represent a worst case scenario.

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

2.2 Soil Analytical Results

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

The soil sample results were submitted by MCAS Beaufort to SCDHEC utilizing SCDHEC's UST Assessment Report form (Appendix B). The results of the soil sampling at the former UST locations (Tanks 1 and 2) were used by MCAS Beaufort, in consultation with SCDHEC, to determine a path forward (i.e., additional sampling or NFA) for the property. The soil results collected from the former locations (Tanks 1 and 2) at 569 Dahlia Drive (Formerly 640 Dahlia Drive) were greater than the SCDHEC RBSLs, which indicated further investigation was required. In a letter dated May 15, 2014, SCDHEC requested an IGWA for 569 Dahlia Drive

(Formerly 640 Dahlia Drive) to determine if the groundwater was impacted by petroleum COPCs. SCDHEC's request letter is provided in Appendix E.

2.3 Initial Groundwater Sampling

On June 8, 2015, two temporary monitoring wells were installed at 569 Dahlia Drive (Formerly 640 Dahlia Drive), in accordance with the South Carolina Well Standards and Regulations (R.61-71.H-I, updated June 24, 2016). In order to provide data that can be used to determine whether COPCs are migrating to underlying groundwater, the monitoring wells were placed in the same general location as the former heating oil USTs (Tanks 1 and 2). The former UST locations are indicated on Figures 2 and 3 of the UST Assessment Report (Appendix B). Further details are provided in the *Initial Groundwater Investigation Report – May and June 2015* (Resolution Consultants, 2015).

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

2.4 Initial Groundwater Analytical Results

Due to detection of free product, groundwater samples were unable to be collected from 569 Dahlia Drive (Formerly 640 Dahlia Drive) and further investigation was required. A summary of the free product measurement is presented in Table 2. In a letter dated February 22, 2016, SCDHEC requested permanent wells be installed for 569 Dahlia Drive (Formerly 640 Dahlia Drive) to confirm the impact to groundwater detected in the temporary wells. SCDHEC's request letter is provided in Appendix E.

2.5 Permanent Well Groundwater Sampling

In June 2016, two permanent monitoring wells were installed at 569 Dahlia Drive (Formerly 640 Dahlia Drive), in accordance with the South Carolina Well Standards and Regulations (R.61-71.H-I, updated June 24, 2016). MW01 was installed on June 29, 2016 and MW02 was installed on June 30, 2016. In order to provide data that can be used to determine whether COPCs are

migrating to underlying groundwater, the monitoring wells were placed in the same general location as the former heating oil USTs (Tanks 1 and 2) and the IGWA sample locations. The former UST locations are indicated on Figures 2 and 3 of the UST Assessment Report (Appendix B). Further details are provided in the *Groundwater Assessment Report – June and July 2016* (Resolution Consultants, 2016).

The sampling strategy for this phase of the investigation required a one-time sampling event of the permanent monitoring wells. Following well installation and development, groundwater samples were collected using low-flow methods and shipped to an offsite laboratory for analysis of the petroleum COPCs. No free product was detected in the permanent monitoring well. Field forms are provided in the *Groundwater Assessment Report – June and July 2016* (Resolution Consultants, 2016).

2.6 Permanent Well Groundwater Analytical Results

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

The groundwater results collected from 569 Dahlia Drive (Formerly 640 Dahlia Drive) were less than the SCDHEC RBSLs and the site specific groundwater VISLs (Table 3), which indicated that the groundwater was not impacted by COPCs associated with the former USTs at concentrations that present a potential risk to human health and the environment.

3.0 PROPERTY STATUS

Based on the analytical results for groundwater collected from the permanent monitoring wells, SCDHEC made the determination that NFA was required for 569 Dahlia Drive (Formerly 640 Dahlia Drive). This NFA determination was obtained in a letter dated March 9, 2017. SCDHEC's NFA letter is provided in Appendix E.

4.0 REFERENCES

Marine Corps Air Station Beaufort, 2010. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 640 Dahlia Drive, Laurel Bay Military Housing Area*, December 2010.

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

Resolution Consultants, 2016. *Groundwater Assessment Report – June and July 2016 for Laurel Bay Military Housing Area, Multiple Properties, Marine Corps Air Station Beaufort, Beaufort, South Carolina*, December 2016.

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

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

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

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

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

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

Tables

Table 1
Laboratory Analytical Results - Soil
569 Dahlia Drive (Formerly 640 Dahlia Drive)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs [1]	Results Samples Collected 06/30/10	
		640 Dahlia - 1	640 Dahlia - 2
Volatile Organic Compounds Analyzed by EPA Method 8260B (mg/kg)			
Benzene	0.003	ND	0.00233
Ethylbenzene	1.15	0.00765	0.111
Naphthalene	0.036	0.100	1.55
Toluene	0.627	ND	0.00155
Xylenes, Total	13.01	0.0401	0.0605
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (mg/kg)			
Benzo(a)anthracene	0.066	0.105	ND
Benzo(b)fluoranthene	0.066	0.0802	ND
Benzo(k)fluoranthene	0.066	ND	ND
Chrysene	0.066	0.0989	ND
Dibenz(a,h)anthracene	0.066	ND	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 (SCDHEC, May 2001).

Bold font indicates the analyte was detected.

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

EPA - United States Environmental Protection Agency

mg/kg - milligrams per kilogram

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

RBSL - Risk-Based Screening Level

SCDHEC - South Carolina Department Of Health and Environmental Control

Table 2
Free Product Measurement - Initial Groundwater
569 Dahlia Drive (Formerly 640 Dahlia Drive)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Temporary Well ID	Date Installed	Date Measured	Measured Well Depth (feet bgs)	Depth to Product (feet bgs)	Depth to Groundwater (feet bgs)	Free Product Thickness (feet)
BEALB640-TW01	6/8/2015	6/8/2015	11.32	4.33	4.34	0.01
BEALB640-TW02	6/8/2015	6/9/2015	11.67	4.07	4.08	0.01

Notes:
bgs - below ground surface
TW - temporary well

Table 3
Laboratory Analytical Results - Permanent Well Groundwater
569 Dahlia Drive (Formerly 640 Dahlia Drive)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs [1]	Site-Specific Groundwater VISLs (µg/L)[2]	Results Samples Collected 07/22/16	
			MW01	MW02
Volatile Organic Compounds Analyzed by EPA Method 8260B (µg/L)				
Benzene	5	16.24	ND	ND
Ethylbenzene	700	45.95	ND	ND
Naphthalene	25	29.33	ND	ND
Toluene	1000	105,445	ND	ND
Xylenes, Total	10,000	2,133	ND	ND
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (µg/L)				
Benzo(a)anthracene	10	NA	ND	ND
Benzo(b)fluoranthene	10	NA	ND	ND
Benzo(k)fluoranthene	10	NA	ND	ND
Chrysene	10	NA	ND	ND
Dibenz(a,h)anthracene	10	NA	ND	ND

Notes:

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

[2] Site-specific groundwater VISLs were calculated using the EPA JE Model Spreadsheets (Version 3.1, February 2004) and conservative modeling inputs representative of a small single-story house with an 8 foot ceiling. Site-specific groundwater VISLs were developed based on a target risk level of $1x10^{-6}$, a target hazard quotient of 1 (per target organ), and a default residential exposure scenario, assuming exposure for 24 hours/day, 350 days/year, for 26 years. Modeling was performed for a range of depths to groundwater for application as appropriate in different areas of the Laurel Bay Military Housing Area. The most conservative levels are presented for comparison. Refer to Appendix H of the Uniform Federal Policy Sampling Analysis and Sampling Plan for Vapor Media, Revision 4 (Resolution Consultants, April 2017) for additional information.

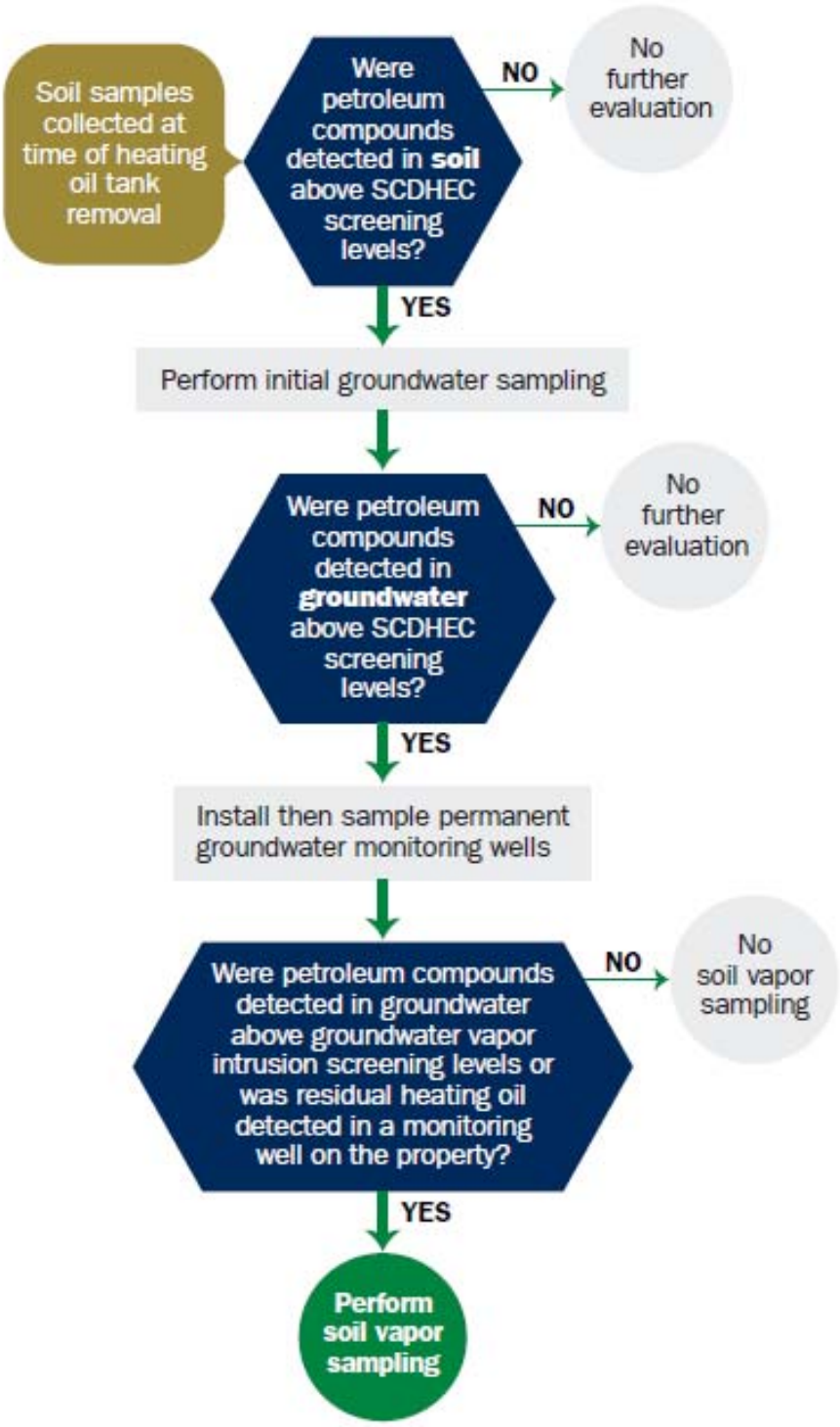
Bold font indicates the analyte was detected.
Bold font and shading indicates the concentration exceeds the SCDHEC RBSL and/or the Site-Specific Groundwater VISL.
EPA - United States Environmental Protection Agency
JE - Johnson & Ettinger
NA – not applicable
ND - not detected at the reporting limit (or method detection limit if shown on the laboratory report). The groundwater laboratory report is provided in Appendix D.
RBSL - Risk-Based Screening Level
SCDHEC - South Carolina Department Of Health and Environmental Control
µg/L - micrograms per liter
VISL - Vapor Intrusion Screening Level

Appendix A

Multi-Media Selection Process for LBMH

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

640 Dahlia Drive, 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).....	640Dahlia-1	640Dahlia-2	
B.	Capacity..(ex. 1k, 2k).....	Heating oil	Heating oil	
C.	Age.....	280 gal	280 gal	
D.	Construction Material..(ex. Steel, FRP).....	Late 1950s	Late 1950s	
E.	Month/Year of Last Use.....	Steel	Steel	
F.	Depth (ft.) To Base of Tank.....	Mid 80s	Mid 80s	
G.	Spill Prevention Equipment Y/N.....	5'2"	4'2"	
H.	Overfill Prevention Equipment Y/N.....	No	No	
I.	Method of Closure Removed/Filled.....	No	No	
J.	Date Tanks Removed/Filled.....	Removed	Removed	
K.	Visible Corrosion or Pitting Y/N.....	6/24/10	6/24/10	
L.	Visible Holes Y/N.....	Yes	Yes	
		No	No	

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

UST 640Dahlia-1 was removed from the ground, cleaned and recycled.
UST 640Dahlia-2 was removed from the ground and disposed of at a ~~Subtitle "D" landfill. See Attachment "A".~~

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

Contaminated water was pumped from UST 640Dahlia-1 and disposed of by MCAS.
UST 640Dahlia-2 was previously filled with sand by others.

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

Corrosion and pitting were found throughout the tanks.

VII. PIPING INFORMATION

	640Dahlia-1	640Dahlia-2	
A. Construction Material..(ex. Steel, FRP).....	Steel & Copper	Steel & Copper	
B. Distance from UST to Dispenser.....	N/A	N/A	
C. Number of Dispensers.....	N/A	N/A	
D. Type of System Pressure or Suction.....	Suction	Suction	
E. Was Piping Removed from the Ground? Y/N	Yes	Yes	
F. Visible Corrosion or Pitting Y/N.....	Yes	Yes	
G. Visible Holes Y/N.....	No	No	
H. Age.....	Late 1950s	Late 1950s	

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

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

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? *Tank 1 excavation had slight odor **Tank 2 excavation had no odor If yes, indicate location on site map and describe the odor (strong, mild, etc.)	*	**	
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 #
640 Dahlia-1	Excav at fill end	Soil	Sandy	5'2"	* 6/30/10 0930 hrs	P. Shaw	
640 Dahlia-2	Excav at fill end	Soil	Sandy	4'2"	* 6/30/10 0945 hrs	P. Shaw	
*Difference between tanks' removal date and sample date is the result of resampling. Temperature of original samples were out of tolerance upon receipt at the lab, therefore resampling was necessary.							
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? *Stormwater drainage canal If yes, indicate type of receptor, distance, and direction on site map.	*X ~ 985'	
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)

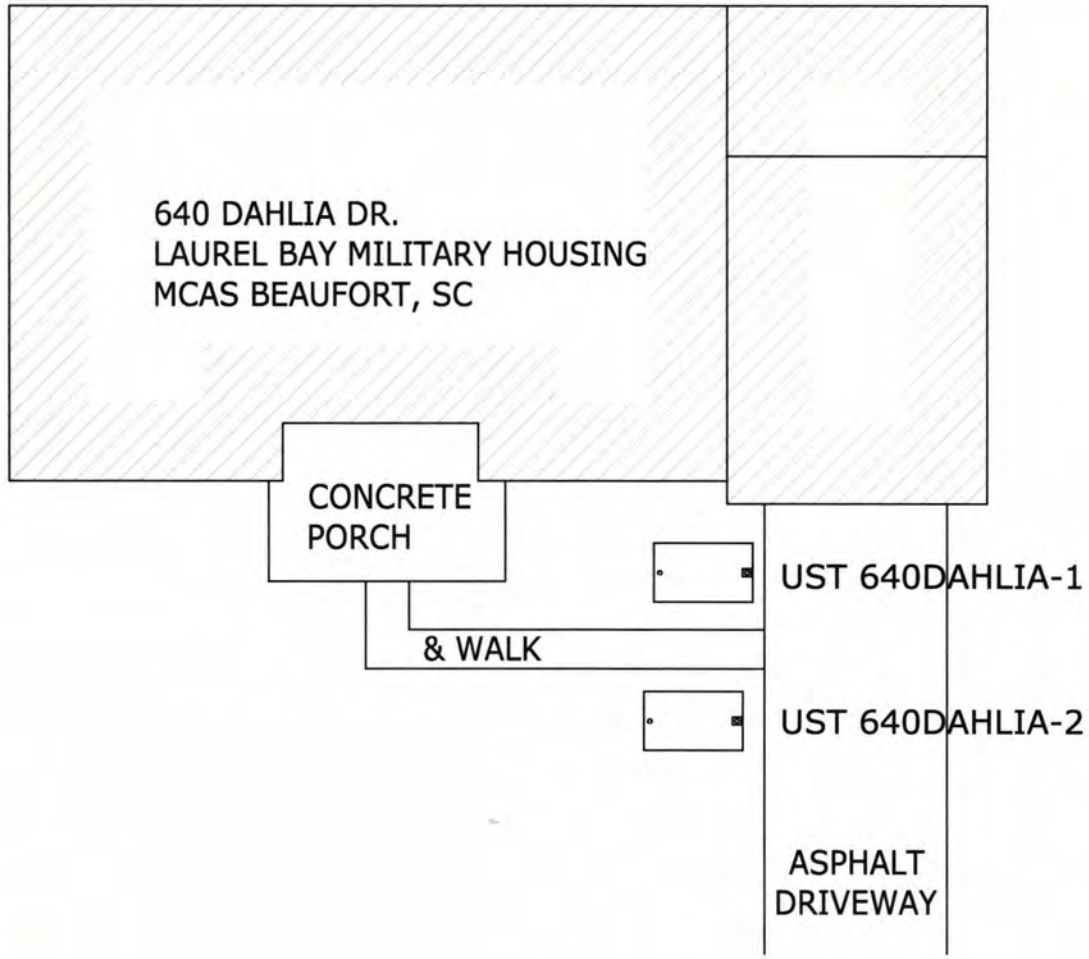
SBG-EEG, Inc.
398 E. 5th North Street, Suite C
Summerville SC 29483-6954
Ph. (843) 875-1930

Drawn By: L. DiAsio

Dwg Date: AUG 2010

FIGURE 1: LOCATION MAP
640 DAHLIA DRIVE, LAUREL BAY
MCAS BEAUFORT SC

STORMWATER DRAINAGE
CANAL ≈ 985'



GRAPHIC SCALE

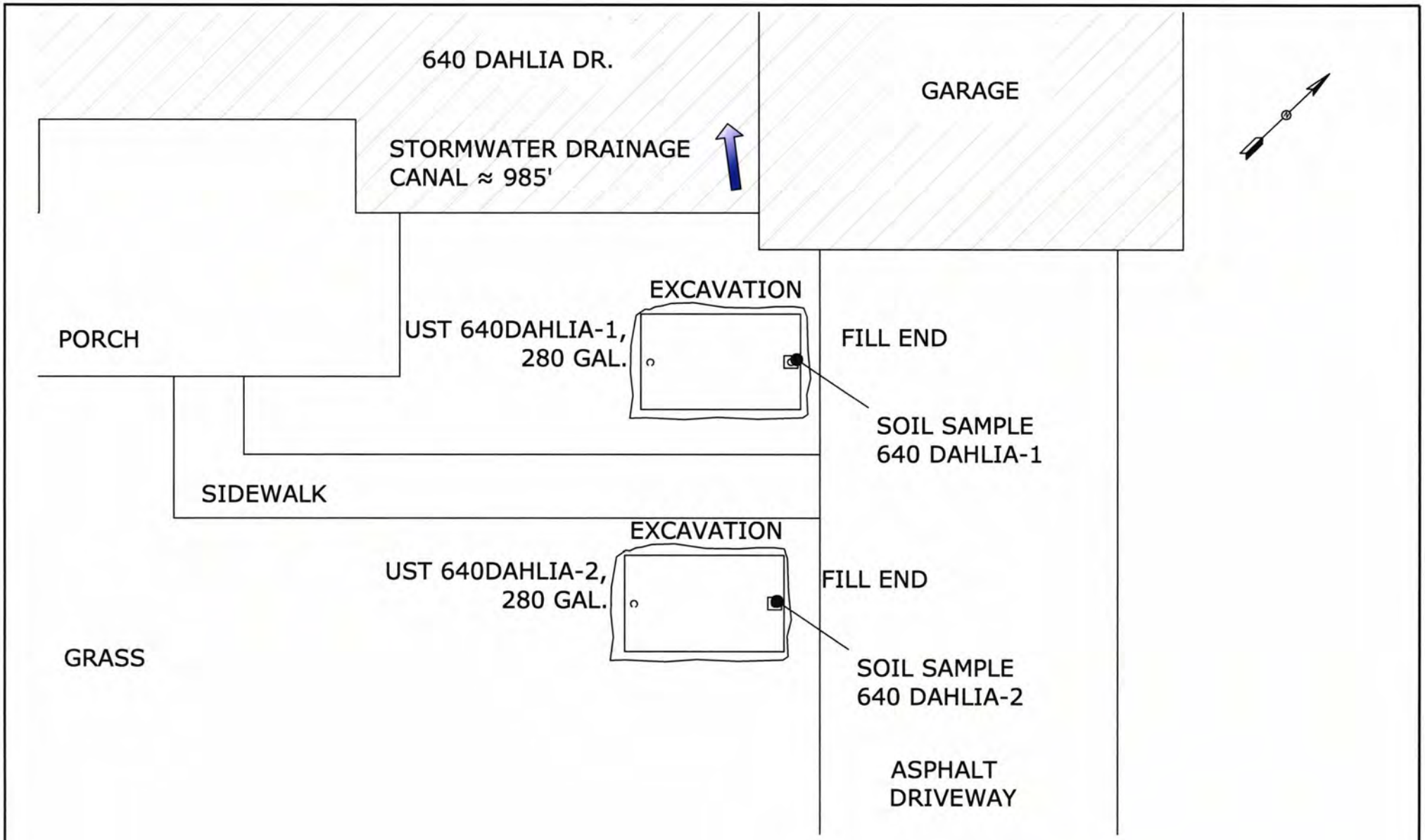
0 5' 10' 20'

SBG-EEG

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

FIGURE 2 SITE MAP
640 DAHLIA DR., LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC | DWG DATE AUG 2010



TANK DEPTH BELOW GRADE
-1 = 26"
-2 = 14"

GRAPHIC SCALE
0 5'

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

FIGURE 3 UST SAMPLE LOCATIONS
640 DAHLIA DR., LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC | DWG DATE AUG 2010

Picture 1: Location of tanks 640Dahlia-1 and 640Dahlia-2.

Picture 2: Excavation in progress.

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	640Dahlia-1		640Dahlia-2		
Benzene	ND		0.00233 mg/kg		
Toluene	ND		0.00155 mg/kg		
Ethylbenzene	0.00765 mg/kg		0.111 mg/kg		
Xylenes	0.0401 mg/kg		0.0605 mg/kg		
Naphthalene	0.100 mg/kg		1.55 mg/kg		
Benzo (a) anthracene	0.105 mg/kg		ND		
Benzo (b) fluoranthene	0.0802 mg/kg		ND		
Benzo (k) fluoranthene	ND		ND		
Chrysene	0.0989 mg/kg		ND		
Dibenz (a, h) anthracene	ND		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

July 20, 2010 3:10:41PM

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

Work Order: NTG0352
Project Name: Laurel Bay Housing Project
Project Nbr: [none]
P/O Nbr: 0829
Date Received: 07/03/10

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
648 Dahlia-1	NTG0352-01	06/30/10 07:50
648 Dahlia-2	NTG0352-02	06/30/10 08:10
644 Dahlia-1	NTG0352-03	06/30/10 08:30
644 Dahlia-2	NTG0352-04	06/30/10 08:50
640 Dahlia-1	NTG0352-05	06/30/10 09:30
640 Dahlia-2	NTG0352-06	06/30/10 09:45
626 Dahlia	NTG0352-07	06/30/10 13:45

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.

South Carolina Certification Number: 84009001

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

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

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

Ken A. Hayes

Senior Project Manager

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

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTG0352
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	07/03/10 08:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NTG0352-01 (648 Dahlia-1 - Soil) Sampled: 06/30/10 07:50										
General Chemistry Parameters										
% Dry Solids	**75.1**		%	0.500	0.500	1	07/07/10 08:26	SW-846	HLB	10G0823
Volatile Organic Compounds by EPA Method 8260B										
Benzene	ND		mg/kg dry	0.00116	0.00211	1	07/13/10 19:22	SW846 8260B	MJH/H	10G1916
Ethylbenzene	ND		mg/kg dry	0.00103	0.00211	1	07/13/10 19:22	SW846 8260B	MJH/H	10G1916
Naphthalene	**0.0168**		mg/kg dry	0.00179	0.00527	1	07/13/10 19:22	SW846 8260B	MJH/H	10G1916
Toluene	ND		mg/kg dry	0.000938	0.00211	1	07/13/10 19:22	SW846 8260B	MJH/H	10G1916
Xylenes, total	ND		mg/kg dry	0.00200	0.00527	1	07/13/10 19:22	SW846 8260B	MJH/H	10G1916
Surr: 1,2-Dichloroethane-d4 (67-138%)	*105 %*					*1*	*07/13/10 19:22*	*SW846 8260B*	*MJH/H*	*10G1916*
Surr: Dibromofluoromethane (75-125%)	*105 %*					*1*	*07/13/10 19:22*	*SW846 8260B*	*MJH/H*	*10G1916*
Surr: Toluene-d8 (76-129%)	*105 %*					*1*	*07/13/10 19:22*	*SW846 8260B*	*MJH/H*	*10G1916*
Surr: 4-Bromofluorobenzene (67-147%)	*104 %*					*1*	*07/13/10 19:22*	*SW846 8260B*	*MJH/H*	*10G1916*
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0186	0.0891	1	07/11/10 03:00	SW846 8270D	RMC	10G0743
Acenaphthylene	ND		mg/kg dry	0.0266	0.0891	1	07/11/10 03:00	SW846 8270D	RMC	10G0743
Anthracene	ND		mg/kg dry	0.0120	0.0891	1	07/11/10 03:00	SW846 8270D	RMC	10G0743
Benzo (a) anthracene	**0.0869**	J	mg/kg dry	0.0146	0.0891	1	07/11/10 03:00	SW846 8270D	RMC	10G0743
Benzo (a) pyrene	**0.0762**	J	mg/kg dry	0.0106	0.0891	1	07/11/10 03:00	SW846 8270D	RMC	10G0743
Benzo (b) fluoranthene	**0.0758**	J	mg/kg dry	0.0505	0.0891	1	07/11/10 03:00	SW846 8270D	RMC	10G0743
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0120	0.0891	1	07/11/10 03:00	SW846 8270D	RMC	10G0743
Benzo (k) fluoranthene	ND		mg/kg dry	0.0492	0.0891	1	07/11/10 03:00	SW846 8270D	RMC	10G0743
Chrysene	**0.0709**	J	mg/kg dry	0.0412	0.0891	1	07/11/10 03:00	SW846 8270D	RMC	10G0743
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0199	0.0891	1	07/11/10 03:00	SW846 8270D	RMC	10G0743
Fluoranthene	**0.285**		mg/kg dry	0.0146	0.0891	1	07/11/10 03:00	SW846 8270D	RMC	10G0743
Fluorene	ND		mg/kg dry	0.0266	0.0891	1	07/11/10 03:00	SW846 8270D	RMC	10G0743
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0412	0.0891	1	07/11/10 03:00	SW846 8270D	RMC	10G0743
Naphthalene	ND		mg/kg dry	0.0186	0.0891	1	07/11/10 03:00	SW846 8270D	RMC	10G0743
Phenanthrene	**0.181**		mg/kg dry	0.0133	0.0891	1	07/11/10 03:00	SW846 8270D	RMC	10G0743
Pyrene	**0.278**		mg/kg dry	0.0306	0.0891	1	07/11/10 03:00	SW846 8270D	RMC	10G0743
1-Methylnaphthalene	ND		mg/kg dry	0.0160	0.0891	1	07/11/10 03:00	SW846 8270D	RMC	10G0743
2-Methylnaphthalene	ND		mg/kg dry	0.0279	0.0891	1	07/11/10 03:00	SW846 8270D	RMC	10G0743
Surr: Terphenyl-d14 (18-120%)	*61 %*					*1*	*07/11/10 03:00*	*SW846 8270D*	*RMC*	*10G0743*
Surr: 2-Fluorobiphenyl (14-120%)	*45 %*					*1*	*07/11/10 03:00*	*SW846 8270D*	*RMC*	*10G0743*
Surr: Nitrobenzene-d5 (17-120%)	*45 %*					*1*	*07/11/10 03:00*	*SW846 8270D*	*RMC*	*10G0743*

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTG0352
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	07/03/10 08:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NTG0352-02 (648 Dahlia-2 - Soil) Sampled: 06/30/10 08:10										
General Chemistry Parameters										
% Dry Solids	**85.3**		%	0.500	0.500	1	07/07/10 08:26	SW-846	HLB	10G0823
Volatile Organic Compounds by EPA Method 8260B										
Benzene	**0.197**		mg/kg dry	0.0525	0.0955	50	07/14/10 18:51	SW846 8260B	MJH/H	10G1052
Ethylbenzene	**3.39**		mg/kg dry	0.0468	0.0955	50	07/14/10 18:51	SW846 8260B	MJH/H	10G1052
Naphthalene	**14.9**		mg/kg dry	1.62	4.77	1000	07/14/10 19:22	SW846 8260B	MJH/H	10G1052
Toluene	**0.0300**		mg/kg dry	0.000952	0.00214	1	07/13/10 19:53	SW846 8260B	MJH/H	10G1916
Xylenes, total	**6.16**		mg/kg dry	0.0907	0.239	50	07/14/10 18:51	SW846 8260B	MJH/H	10G1052
Surr: 1,2-Dichloroethane-d4 (67-138%)	*110 %*					*1*	*07/13/10 19:53*	*SW846 8260B*	*MJH/H*	*10G1916*
Surr: 1,2-Dichloroethane-d4 (67-138%)	*107 %*					*50*	*07/14/10 18:51*	*SW846 8260B*	*MJH/H*	*10G1052*
Surr: 1,2-Dichloroethane-d4 (67-138%)	*100 %*					*1000*	*07/14/10 19:22*	*SW846 8260B*	*MJH/H*	*10G1052*
Surr: Dibromofluoromethane (75-125%)	*112 %*					*1*	*07/13/10 19:53*	*SW846 8260B*	*MJH/H*	*10G1916*
Surr: Dibromofluoromethane (75-125%)	*93 %*					*50*	*07/14/10 18:51*	*SW846 8260B*	*MJH/H*	*10G1052*
Surr: Dibromofluoromethane (75-125%)	*91 %*					*1000*	*07/14/10 19:22*	*SW846 8260B*	*MJH/H*	*10G1052*
Surr: Toluene-d8 (76-129%)	*438 %*	*ZX*				*1*	*07/13/10 19:53*	*SW846 8260B*	*MJH/H*	*10G1916*
Surr: Toluene-d8 (76-129%)	*113 %*					*50*	*07/14/10 18:51*	*SW846 8260B*	*MJH/H*	*10G1052*
Surr: Toluene-d8 (76-129%)	*104 %*					*1000*	*07/14/10 19:22*	*SW846 8260B*	*MJH/H*	*10G1052*
Surr: 4-Bromofluorobenzene (67-147%)	*3190 %*	*ZX*				*1*	*07/13/10 19:53*	*SW846 8260B*	*MJH/H*	*10G1916*
Surr: 4-Bromofluorobenzene (67-147%)	*106 %*					*50*	*07/14/10 18:51*	*SW846 8260B*	*MJH/H*	*10G1052*
Surr: 4-Bromofluorobenzene (67-147%)	*102 %*					*1000*	*07/14/10 19:22*	*SW846 8260B*	*MJH/H*	*10G1052*
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	**0.977**		mg/kg dry	0.0162	0.0773	1	07/11/10 03:22	SW846 8270D	RMC	10G0743
Acenaphthylene	**0.464**		mg/kg dry	0.0231	0.0773	1	07/11/10 03:22	SW846 8270D	RMC	10G0743
Anthracene	**0.477**		mg/kg dry	0.0104	0.0773	1	07/11/10 03:22	SW846 8270D	RMC	10G0743
Benzo (a) anthracene	ND		mg/kg dry	0.0127	0.0773	1	07/11/10 03:22	SW846 8270D	RMC	10G0743
Benzo (a) pyrene	**0.0408**	J	mg/kg dry	0.00923	0.0773	1	07/11/10 03:22	SW846 8270D	RMC	10G0743
Benzo (b) fluoranthene	ND		mg/kg dry	0.0438	0.0773	1	07/11/10 03:22	SW846 8270D	RMC	10G0743
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0104	0.0773	1	07/11/10 03:22	SW846 8270D	RMC	10G0743
Benzo (k) fluoranthene	ND		mg/kg dry	0.0427	0.0773	1	07/11/10 03:22	SW846 8270D	RMC	10G0743
Chrysene	ND		mg/kg dry	0.0358	0.0773	1	07/11/10 03:22	SW846 8270D	RMC	10G0743
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0173	0.0773	1	07/11/10 03:22	SW846 8270D	RMC	10G0743
Fluoranthene	**0.0423**	J	mg/kg dry	0.0127	0.0773	1	07/11/10 03:22	SW846 8270D	RMC	10G0743
Fluorene	**2.71**		mg/kg dry	0.0231	0.0773	1	07/11/10 03:22	SW846 8270D	RMC	10G0743
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0358	0.0773	1	07/11/10 03:22	SW846 8270D	RMC	10G0743
Naphthalene	**5.58**		mg/kg dry	0.162	0.773	10	07/11/10 22:51	SW846 8270D	RMC	10G0743
Phenanthrene	**6.18**		mg/kg dry	0.115	0.773	10	07/11/10 22:51	SW846 8270D	RMC	10G0743
Pyrene	**0.114**		mg/kg dry	0.0265	0.0773	1	07/11/10 03:22	SW846 8270D	RMC	10G0743
1-Methylnaphthalene	**14.7**		mg/kg dry	0.138	0.773	10	07/11/10 22:51	SW846 8270D	RMC	10G0743
2-Methylnaphthalene	**23.6**		mg/kg dry	0.242	0.773	10	07/11/10 22:51	SW846 8270D	RMC	10G0743
Surr: Terphenyl-d14 (18-120%)	*87 %*					*1*	*07/11/10 03:22*	*SW846 8270D*	*RMC*	*10G0743*

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTG0352
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	07/03/10 08:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NTG0352-02 (648 Dahlia-2 - Soil) - cont. Sampled: 06/30/10 08:10										
Polyaromatic Hydrocarbons by EPA 8270D - cont.										
Surr: 2-Fluorobiphenyl (14-120%)	*46 %*					*1*	*07/11/10 03:22*	*SW846 8270D*	*RMC*	*10G0743*
Surr: Nitrobenzene-d5 (17-120%)	*60 %*					*1*	*07/11/10 03:22*	*SW846 8270D*	*RMC*	*10G0743*
Sample ID: NTG0352-03 (644 Dahlia-1 - Soil) Sampled: 06/30/10 08:30										
General Chemistry Parameters										
% Dry Solids	**73.5**		%	0.500	0.500	1	07/07/10 08:26	SW-846	HLB	10G0823
Volatile Organic Compounds by EPA Method 8260B										
Benzene	ND		mg/kg dry	0.00134	0.00243	1	07/13/10 20:24	SW846 8260B	MJH/H	10G1916
Ethylbenzene	ND		mg/kg dry	0.00119	0.00243	1	07/13/10 20:24	SW846 8260B	MJH/H	10G1916
Naphthalene	**0.0635**		mg/kg dry	0.00207	0.00608	1	07/13/10 20:24	SW846 8260B	MJH/H	10G1916
Toluene	ND		mg/kg dry	0.00108	0.00243	1	07/13/10 20:24	SW846 8260B	MJH/H	10G1916
Xylenes, total	**0.00258**	J	mg/kg dry	0.00231	0.00608	1	07/13/10 20:24	SW846 8260B	MJH/H	10G1916
Surr: 1,2-Dichloroethane-d4 (67-138%)	*104 %*					*1*	*07/13/10 20:24*	*SW846 8260B*	*MJH/H*	*10G1916*
Surr: Dibromofluoromethane (75-125%)	*97 %*					*1*	*07/13/10 20:24*	*SW846 8260B*	*MJH/H*	*10G1916*
Surr: Toluene-d8 (76-129%)	*103 %*					*1*	*07/13/10 20:24*	*SW846 8260B*	*MJH/H*	*10G1916*
Surr: 4-Bromofluorobenzene (67-147%)	*100 %*					*1*	*07/13/10 20:24*	*SW846 8260B*	*MJH/H*	*10G1916*
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0186	0.0890	1	07/11/10 03:44	SW846 8270D	RMC	10G0743
Acenaphthylene	ND		mg/kg dry	0.0266	0.0890	1	07/11/10 03:44	SW846 8270D	RMC	10G0743
Anthracene	ND		mg/kg dry	0.0120	0.0890	1	07/11/10 03:44	SW846 8270D	RMC	10G0743
Benzo (a) anthracene	ND		mg/kg dry	0.0146	0.0890	1	07/11/10 03:44	SW846 8270D	RMC	10G0743
Benzo (a) pyrene	ND		mg/kg dry	0.0106	0.0890	1	07/11/10 03:44	SW846 8270D	RMC	10G0743
Benzo (b) fluoranthene	ND		mg/kg dry	0.0505	0.0890	1	07/11/10 03:44	SW846 8270D	RMC	10G0743
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0120	0.0890	1	07/11/10 03:44	SW846 8270D	RMC	10G0743
Benzo (k) fluoranthene	ND		mg/kg dry	0.0491	0.0890	1	07/11/10 03:44	SW846 8270D	RMC	10G0743
Chrysene	ND		mg/kg dry	0.0412	0.0890	1	07/11/10 03:44	SW846 8270D	RMC	10G0743
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0199	0.0890	1	07/11/10 03:44	SW846 8270D	RMC	10G0743
Fluoranthene	ND		mg/kg dry	0.0146	0.0890	1	07/11/10 03:44	SW846 8270D	RMC	10G0743
Fluorene	ND		mg/kg dry	0.0266	0.0890	1	07/11/10 03:44	SW846 8270D	RMC	10G0743
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0412	0.0890	1	07/11/10 03:44	SW846 8270D	RMC	10G0743
Naphthalene	ND		mg/kg dry	0.0186	0.0890	1	07/11/10 03:44	SW846 8270D	RMC	10G0743
Phenanthrene	ND		mg/kg dry	0.0133	0.0890	1	07/11/10 03:44	SW846 8270D	RMC	10G0743
Pyrene	ND		mg/kg dry	0.0305	0.0890	1	07/11/10 03:44	SW846 8270D	RMC	10G0743
1-Methylnaphthalene	ND		mg/kg dry	0.0159	0.0890	1	07/11/10 03:44	SW846 8270D	RMC	10G0743
2-Methylnaphthalene	ND		mg/kg dry	0.0279	0.0890	1	07/11/10 03:44	SW846 8270D	RMC	10G0743
Surr: Terphenyl-d14 (18-120%)	*71 %*					*1*	*07/11/10 03:44*	*SW846 8270D*	*RMC*	*10G0743*
Surr: 2-Fluorobiphenyl (14-120%)	*58 %*					*1*	*07/11/10 03:44*	*SW846 8270D*	*RMC*	*10G0743*
Surr: Nitrobenzene-d5 (17-120%)	*53 %*					*1*	*07/11/10 03:44*	*SW846 8270D*	*RMC*	*10G0743*

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

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTG0352
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	07/03/10 08:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NTG0352-04 (644 Dahlia-2 - Soil) Sampled: 06/30/10 08:50										
General Chemistry Parameters										
% Dry Solids	**78.0**		%	0.500	0.500	1	07/07/10 08:26	SW-846	HLB	10G0823
Volatile Organic Compounds by EPA Method 8260B										
Benzene	ND		mg/kg dry	0.00116	0.00211	1	07/13/10 20:55	SW846 8260B	MJH/H	10G1916
Ethylbenzene	**0.00466**		mg/kg dry	0.00103	0.00211	1	07/13/10 20:55	SW846 8260B	MJH/H	10G1916
Naphthalene	**0.153**		mg/kg dry	0.00180	0.00528	1	07/13/10 20:55	SW846 8260B	MJH/H	10G1916
Toluene	ND		mg/kg dry	0.000940	0.00211	1	07/13/10 20:55	SW846 8260B	MJH/H	10G1916
Xylenes, total	**0.00849**		mg/kg dry	0.00201	0.00528	1	07/13/10 20:55	SW846 8260B	MJH/H	10G1916
Surr: 1,2-Dichloroethane-d4 (67-138%)	*102 %*					*1*	*07/13/10 20:55*	*SW846 8260B*	*MJH/H*	*10G1916*
Surr: Dibromofluoromethane (75-125%)	*94 %*					*1*	*07/13/10 20:55*	*SW846 8260B*	*MJH/H*	*10G1916*
Surr: Toluene-d8 (76-129%)	*110 %*					*1*	*07/13/10 20:55*	*SW846 8260B*	*MJH/H*	*10G1916*
Surr: 4-Bromofluorobenzene (67-147%)	*118 %*					*1*	*07/13/10 20:55*	*SW846 8260B*	*MJH/H*	*10G1916*
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0178	0.0850	1	07/11/10 04:07	SW846 8270D	RMC	10G0743
Acenaphthylene	ND		mg/kg dry	0.0254	0.0850	1	07/11/10 04:07	SW846 8270D	RMC	10G0743
Anthracene	ND		mg/kg dry	0.0114	0.0850	1	07/11/10 04:07	SW846 8270D	RMC	10G0743
Benzo (a) anthracene	ND		mg/kg dry	0.0139	0.0850	1	07/11/10 04:07	SW846 8270D	RMC	10G0743
Benzo (a) pyrene	ND		mg/kg dry	0.0101	0.0850	1	07/11/10 04:07	SW846 8270D	RMC	10G0743
Benzo (b) fluoranthene	ND		mg/kg dry	0.0482	0.0850	1	07/11/10 04:07	SW846 8270D	RMC	10G0743
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0114	0.0850	1	07/11/10 04:07	SW846 8270D	RMC	10G0743
Benzo (k) fluoranthene	ND		mg/kg dry	0.0469	0.0850	1	07/11/10 04:07	SW846 8270D	RMC	10G0743
Chrysene	ND		mg/kg dry	0.0393	0.0850	1	07/11/10 04:07	SW846 8270D	RMC	10G0743
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0190	0.0850	1	07/11/10 04:07	SW846 8270D	RMC	10G0743
Fluoranthene	ND		mg/kg dry	0.0139	0.0850	1	07/11/10 04:07	SW846 8270D	RMC	10G0743
Fluorene	**0.0550**	J	mg/kg dry	0.0254	0.0850	1	07/11/10 04:07	SW846 8270D	RMC	10G0743
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0393	0.0850	1	07/11/10 04:07	SW846 8270D	RMC	10G0743
Naphthalene	ND		mg/kg dry	0.0178	0.0850	1	07/11/10 04:07	SW846 8270D	RMC	10G0743
Phenanthrene	**0.0757**	J	mg/kg dry	0.0127	0.0850	1	07/11/10 04:07	SW846 8270D	RMC	10G0743
Pyrene	ND		mg/kg dry	0.0292	0.0850	1	07/11/10 04:07	SW846 8270D	RMC	10G0743
1-Methylnaphthalene	**0.0795**	J	mg/kg dry	0.0152	0.0850	1	07/11/10 04:07	SW846 8270D	RMC	10G0743
2-Methylnaphthalene	**0.101**		mg/kg dry	0.0266	0.0850	1	07/11/10 04:07	SW846 8270D	RMC	10G0743
Surr: Terphenyl-d14 (18-120%)	*77 %*					*1*	*07/11/10 04:07*	*SW846 8270D*	*RMC*	*10G0743*
Surr: 2-Fluorobiphenyl (14-120%)	*66 %*					*1*	*07/11/10 04:07*	*SW846 8270D*	*RMC*	*10G0743*
Surr: Nitrobenzene-d5 (17-120%)	*63 %*					*1*	*07/11/10 04:07*	*SW846 8270D*	*RMC*	*10G0743*

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTG0352
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	07/03/10 08:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NTG0352-05 (640 Dahlia-1 - Soil) Sampled: 06/30/10 09:30										
General Chemistry Parameters										
% Dry Solids	**80.4**		%	0.500	0.500	1	07/07/10 08:26	SW-846	HLB	10G0823
Volatile Organic Compounds by EPA Method 8260B										
Benzene	ND		mg/kg dry	0.00116	0.00210	1	07/14/10 01:05	SW846 8260B	MJH/H	10G0580
Ethylbenzene	**0.00765**		mg/kg dry	0.00103	0.00210	1	07/14/10 01:05	SW846 8260B	MJH/H	10G0580
Naphthalene	**0.100**		mg/kg dry	0.00179	0.00525	1	07/14/10 01:05	SW846 8260B	MJH/H	10G0580
Toluene	ND		mg/kg dry	0.000935	0.00210	1	07/14/10 01:05	SW846 8260B	MJH/H	10G0580
Xylenes, total	**0.0401**		mg/kg dry	0.00200	0.00525	1	07/14/10 01:05	SW846 8260B	MJH/H	10G0580
Surr: 1,2-Dichloroethane-d4 (67-138%)	*105 %*					*1*	*07/14/10 01:05*	*SW846 8260B*	*MJH/H*	*10G0580*
Surr: Dibromofluoromethane (75-125%)	*103 %*					*1*	*07/14/10 01:05*	*SW846 8260B*	*MJH/H*	*10G0580*
Surr: Toluene-d8 (76-129%)	*114 %*					*1*	*07/14/10 01:05*	*SW846 8260B*	*MJH/H*	*10G0580*
Surr: 4-Bromofluorobenzene (67-147%)	*109 %*					*1*	*07/14/10 01:05*	*SW846 8260B*	*MJH/H*	*10G0580*
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	**0.116**		mg/kg dry	0.0171	0.0818	1	07/11/10 04:29	SW846 8270D	RMC	10G0743
Acenaphthylene	ND		mg/kg dry	0.0244	0.0818	1	07/11/10 04:29	SW846 8270D	RMC	10G0743
Anthracene	**0.137**		mg/kg dry	0.0110	0.0818	1	07/11/10 04:29	SW846 8270D	RMC	10G0743
Benzo (a) anthracene	**0.105**		mg/kg dry	0.0134	0.0818	1	07/11/10 04:29	SW846 8270D	RMC	10G0743
Benzo (a) pyrene	**0.0777**	J	mg/kg dry	0.00976	0.0818	1	07/11/10 04:29	SW846 8270D	RMC	10G0743
Benzo (b) fluoranthene	**0.0802**	J	mg/kg dry	0.0464	0.0818	1	07/11/10 04:29	SW846 8270D	RMC	10G0743
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0110	0.0818	1	07/11/10 04:29	SW846 8270D	RMC	10G0743
Benzo (k) fluoranthene	ND		mg/kg dry	0.0452	0.0818	1	07/11/10 04:29	SW846 8270D	RMC	10G0743
Chrysene	**0.0989**		mg/kg dry	0.0378	0.0818	1	07/11/10 04:29	SW846 8270D	RMC	10G0743
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0183	0.0818	1	07/11/10 04:29	SW846 8270D	RMC	10G0743
Fluoranthene	**0.288**		mg/kg dry	0.0134	0.0818	1	07/11/10 04:29	SW846 8270D	RMC	10G0743
Fluorene	**0.360**		mg/kg dry	0.0244	0.0818	1	07/11/10 04:29	SW846 8270D	RMC	10G0743
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0378	0.0818	1	07/11/10 04:29	SW846 8270D	RMC	10G0743
Naphthalene	**0.348**		mg/kg dry	0.0171	0.0818	1	07/11/10 04:29	SW846 8270D	RMC	10G0743
Phenanthrene	**0.857**		mg/kg dry	0.0122	0.0818	1	07/11/10 04:29	SW846 8270D	RMC	10G0743
Pyrene	**0.284**		mg/kg dry	0.0281	0.0818	1	07/11/10 04:29	SW846 8270D	RMC	10G0743
1-Methylnaphthalene	**1.18**		mg/kg dry	0.0146	0.0818	1	07/11/10 04:29	SW846 8270D	RMC	10G0743
2-Methylnaphthalene	**1.81**		mg/kg dry	0.0256	0.0818	1	07/11/10 04:29	SW846 8270D	RMC	10G0743
Surr: Terphenyl-d14 (18-120%)	*86 %*					*1*	*07/11/10 04:29*	*SW846 8270D*	*RMC*	*10G0743*
Surr: 2-Fluorobiphenyl (14-120%)	*71 %*					*1*	*07/11/10 04:29*	*SW846 8270D*	*RMC*	*10G0743*
Surr: Nitrobenzene-d5 (17-120%)	*73 %*					*1*	*07/11/10 04:29*	*SW846 8270D*	*RMC*	*10G0743*

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTG0352
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	07/03/10 08:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NTG0352-06 (640 Dahlia-2 - Soil) Sampled: 06/30/10 09:45										
General Chemistry Parameters										
% Dry Solids	**76.5**		%	0.500	0.500	1	07/07/10 08:26	SW-846	HLB	10G0823
Volatile Organic Compounds by EPA Method 8260B										
Benzene	**0.00233**		mg/kg dry	0.00125	0.00227	1	07/14/10 01:36	SW846 8260B	MJH/H	10G0580
Ethylbenzene	**0.111**		mg/kg dry	0.00111	0.00227	1	07/14/10 01:36	SW846 8260B	MJH/H	10G0580
Naphthalene	**1.55**		mg/kg dry	0.0908	0.267	50	07/14/10 18:19	SW846 8260B	MJH/H	10G1052
Toluene	**0.00155**	J	mg/kg dry	0.00101	0.00227	1	07/14/10 01:36	SW846 8260B	MJH/H	10G0580
Xylenes, total	**0.0605**		mg/kg dry	0.00215	0.00566	1	07/14/10 01:36	SW846 8260B	MJH/H	10G0580
Surr: 1,2-Dichloroethane-d4 (67-138%)	*100 %*					*1*	*07/14/10 01:36*	*SW846 8260B*	*MJH/H*	*10G0580*
Surr: 1,2-Dichloroethane-d4 (67-138%)	*104 %*					*50*	*07/14/10 18:19*	*SW846 8260B*	*MJH/H*	*10G1052*
Surr: Dibromofluoromethane (75-125%)	*96 %*					*1*	*07/14/10 01:36*	*SW846 8260B*	*MJH/H*	*10G0580*
Surr: Dibromofluoromethane (75-125%)	*85 %*					*50*	*07/14/10 18:19*	*SW846 8260B*	*MJH/H*	*10G1052*
Surr: Toluene-d8 (76-129%)	*207 %*	*ZX*				*1*	*07/14/10 01:36*	*SW846 8260B*	*MJH/H*	*10G0580*
Surr: Toluene-d8 (76-129%)	*110 %*					*50*	*07/14/10 18:19*	*SW846 8260B*	*MJH/H*	*10G1052*
Surr: 4-Bromofluorobenzene (67-147%)	*229 %*	*ZX*				*1*	*07/14/10 01:36*	*SW846 8260B*	*MJH/H*	*10G0580*
Surr: 4-Bromofluorobenzene (67-147%)	*98 %*					*50*	*07/14/10 18:19*	*SW846 8260B*	*MJH/H*	*10G1052*
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	**0.0815**	J	mg/kg dry	0.0178	0.0853	1	07/11/10 04:51	SW846 8270D	RMC	10G0743
Acenaphthylene	ND		mg/kg dry	0.0255	0.0853	1	07/11/10 04:51	SW846 8270D	RMC	10G0743
Anthracene	ND		mg/kg dry	0.0115	0.0853	1	07/11/10 04:51	SW846 8270D	RMC	10G0743
Benzo (a) anthracene	ND		mg/kg dry	0.0140	0.0853	1	07/11/10 04:51	SW846 8270D	RMC	10G0743
Benzo (a) pyrene	ND		mg/kg dry	0.0102	0.0853	1	07/11/10 04:51	SW846 8270D	RMC	10G0743
Benzo (b) fluoranthene	ND		mg/kg dry	0.0484	0.0853	1	07/11/10 04:51	SW846 8270D	RMC	10G0743
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0115	0.0853	1	07/11/10 04:51	SW846 8270D	RMC	10G0743
Benzo (k) fluoranthene	ND		mg/kg dry	0.0471	0.0853	1	07/11/10 04:51	SW846 8270D	RMC	10G0743
Chrysene	ND		mg/kg dry	0.0395	0.0853	1	07/11/10 04:51	SW846 8270D	RMC	10G0743
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0191	0.0853	1	07/11/10 04:51	SW846 8270D	RMC	10G0743
Fluoranthene	ND		mg/kg dry	0.0140	0.0853	1	07/11/10 04:51	SW846 8270D	RMC	10G0743
Fluorene	**0.211**		mg/kg dry	0.0255	0.0853	1	07/11/10 04:51	SW846 8270D	RMC	10G0743
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0395	0.0853	1	07/11/10 04:51	SW846 8270D	RMC	10G0743
Naphthalene	**0.265**		mg/kg dry	0.0178	0.0853	1	07/11/10 04:51	SW846 8270D	RMC	10G0743
Phenanthrene	**0.358**		mg/kg dry	0.0127	0.0853	1	07/11/10 04:51	SW846 8270D	RMC	10G0743
Pyrene	ND		mg/kg dry	0.0293	0.0853	1	07/11/10 04:51	SW846 8270D	RMC	10G0743
1-Methylnaphthalene	**0.977**		mg/kg dry	0.0153	0.0853	1	07/11/10 04:51	SW846 8270D	RMC	10G0743
2-Methylnaphthalene	**1.31**		mg/kg dry	0.0267	0.0853	1	07/11/10 04:51	SW846 8270D	RMC	10G0743
Surr: Terphenyl-d14 (18-120%)	*62 %*					*1*	*07/11/10 04:51*	*SW846 8270D*	*RMC*	*10G0743*
Surr: 2-Fluorobiphenyl (14-120%)	*54 %*					*1*	*07/11/10 04:51*	*SW846 8270D*	*RMC*	*10G0743*
Surr: Nitrobenzene-d5 (17-120%)	*59 %*					*1*	*07/11/10 04:51*	*SW846 8270D*	*RMC*	*10G0743*

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTG0352
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	07/03/10 08:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NTG0352-07 (626 Dahlia - Soil) Sampled: 06/30/10 13:45										
General Chemistry Parameters										
% Dry Solids	96.2		%	0.500	0.500	1	07/07/10 08:26	SW-846	HLB	10G0823
Volatile Organic Compounds by EPA Method 8260B										
Benzene	ND		mg/kg dry	0.00135	0.00246	1	07/14/10 17:48	SW846 8260B	MJH/H	10G1052
Ethylbenzene	ND		mg/kg dry	0.00120	0.00246	1	07/14/10 17:48	SW846 8260B	MJH/H	10G1052
Naphthalene	ND		mg/kg dry	0.00209	0.00614	1	07/14/10 17:48	SW846 8260B	MJH/H	10G1052
Toluene	ND		mg/kg dry	0.00109	0.00246	1	07/14/10 17:48	SW846 8260B	MJH/H	10G1052
Xylenes, total	ND		mg/kg dry	0.00233	0.00614	1	07/14/10 17:48	SW846 8260B	MJH/H	10G1052
Surr: 1,2-Dichloroethane-d4 (67-138%)	*108 %*					*1*	*07/14/10 17:48*	*SW846 8260B*	*MJH/H*	*10G1052*
Surr: Dibromofluoromethane (75-125%)	*100 %*					*1*	*07/14/10 17:48*	*SW846 8260B*	*MJH/H*	*10G1052*
Surr: Toluene-d8 (76-129%)	*107 %*					*1*	*07/14/10 17:48*	*SW846 8260B*	*MJH/H*	*10G1052*
Surr: 4-Bromofluorobenzene (67-147%)	*97 %*					*1*	*07/14/10 17:48*	*SW846 8260B*	*MJH/H*	*10G1052*
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0141	0.0675	1	07/11/10 05:13	SW846 8270D	RMC	10G0743
Acenaphthylene	ND		mg/kg dry	0.0202	0.0675	1	07/11/10 05:13	SW846 8270D	RMC	10G0743
Anthracene	ND		mg/kg dry	0.00907	0.0675	1	07/11/10 05:13	SW846 8270D	RMC	10G0743
Benzo (a) anthracene	ND		mg/kg dry	0.0111	0.0675	1	07/11/10 05:13	SW846 8270D	RMC	10G0743
Benzo (a) pyrene	ND		mg/kg dry	0.00806	0.0675	1	07/11/10 05:13	SW846 8270D	RMC	10G0743
Benzo (b) fluoranthene	ND		mg/kg dry	0.0383	0.0675	1	07/11/10 05:13	SW846 8270D	RMC	10G0743
Benzo (g,h,i) perylene	ND		mg/kg dry	0.00907	0.0675	1	07/11/10 05:13	SW846 8270D	RMC	10G0743
Benzo (k) fluoranthene	ND		mg/kg dry	0.0373	0.0675	1	07/11/10 05:13	SW846 8270D	RMC	10G0743
Chrysene	ND		mg/kg dry	0.0312	0.0675	1	07/11/10 05:13	SW846 8270D	RMC	10G0743
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0151	0.0675	1	07/11/10 05:13	SW846 8270D	RMC	10G0743
Fluoranthene	ND		mg/kg dry	0.0111	0.0675	1	07/11/10 05:13	SW846 8270D	RMC	10G0743
Fluorene	ND		mg/kg dry	0.0202	0.0675	1	07/11/10 05:13	SW846 8270D	RMC	10G0743
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0312	0.0675	1	07/11/10 05:13	SW846 8270D	RMC	10G0743
Naphthalene	ND		mg/kg dry	0.0141	0.0675	1	07/11/10 05:13	SW846 8270D	RMC	10G0743
Phenanthrene	ND		mg/kg dry	0.0101	0.0675	1	07/11/10 05:13	SW846 8270D	RMC	10G0743
Pyrene	ND		mg/kg dry	0.0232	0.0675	1	07/11/10 05:13	SW846 8270D	RMC	10G0743
1-Methylnaphthalene	ND		mg/kg dry	0.0121	0.0675	1	07/11/10 05:13	SW846 8270D	RMC	10G0743
2-Methylnaphthalene	ND		mg/kg dry	0.0212	0.0675	1	07/11/10 05:13	SW846 8270D	RMC	10G0743
Surr: Terphenyl-d14 (18-120%)	*81 %*					*1*	*07/11/10 05:13*	*SW846 8270D*	*RMC*	*10G0743*
Surr: 2-Fluorobiphenyl (14-120%)	*63 %*					*1*	*07/11/10 05:13*	*SW846 8270D*	*RMC*	*10G0743*
Surr: Nitrobenzene-d5 (17-120%)	*59 %*					*1*	*07/11/10 05:13*	*SW846 8270D*	*RMC*	*10G0743*

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

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTG0352
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	07/03/10 08:30

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
Polyaromatic Hydrocarbons by EPA 8270D							
SW846 8270D	10G0743	NTG0352-01	30.05	1.00	07/08/10 10:30	CAG	EPA 3550C
SW846 8270D	10G0743	NTG0352-02	30.48	1.00	07/08/10 10:30	CAG	EPA 3550C
SW846 8270D	10G0743	NTG0352-02RE1	30.48	1.00	07/08/10 10:30	CAG	EPA 3550C
SW846 8270D	10G0743	NTG0352-03	30.73	1.00	07/08/10 10:30	CAG	EPA 3550C
SW846 8270D	10G0743	NTG0352-04	30.33	1.00	07/08/10 10:30	CAG	EPA 3550C
SW846 8270D	10G0743	NTG0352-05	30.57	1.00	07/08/10 10:30	CAG	EPA 3550C
SW846 8270D	10G0743	NTG0352-06	30.80	1.00	07/08/10 10:30	CAG	EPA 3550C
SW846 8270D	10G0743	NTG0352-07	30.94	1.00	07/08/10 10:30	CAG	EPA 3550C
Volatile Organic Compounds by EPA Method 8260B							
SW846 8260B	10G1916	NTG0352-01	6.32	5.00	06/30/10 07:50	CHH	EPA 5035
SW846 8260B	10G1916	NTG0352-02	5.48	5.00	06/30/10 08:10	CHH	EPA 5035
SW846 8260B	10G1052	NTG0352-02RE1	6.14	5.00	06/30/10 08:10	CHH	EPA 5035
SW846 8260B	10G1052	NTG0352-02RE2	6.14	5.00	06/30/10 08:10	CHH	EPA 5035
SW846 8260B	10G1916	NTG0352-03	5.59	5.00	06/30/10 08:30	CHH	EPA 5035
SW846 8260B	10G1916	NTG0352-04	6.07	5.00	06/30/10 08:50	CHH	EPA 5035
SW846 8260B	10G0580	NTG0352-05	5.92	5.00	06/30/10 09:30	CHH	EPA 5035
SW846 8260B	10G0580	NTG0352-06	5.77	5.00	06/30/10 09:45	CHH	EPA 5035
SW846 8260B	10G1052	NTG0352-06RE1	6.12	5.00	06/30/10 09:45	CHH	EPA 5035
SW846 8260B	10G0580	NTG0352-07	4.34	5.00	06/30/10 13:45	CHH	EPA 5035
SW846 8260B	10G1052	NTG0352-07RE1	4.23	5.00	06/30/10 13:45	CHH	EPA 5035

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTG0352
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	07/03/10 08:30

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						
10G0580-BLK1						
Benzene	<0.00110		mg/kg wet	10G0580	10G0580-BLK1	07/14/10 00:34
Ethylbenzene	<0.000980		mg/kg wet	10G0580	10G0580-BLK1	07/14/10 00:34
Naphthalene	<0.00170		mg/kg wet	10G0580	10G0580-BLK1	07/14/10 00:34
Toluene	<0.000890		mg/kg wet	10G0580	10G0580-BLK1	07/14/10 00:34
Xylenes, total	<0.00190		mg/kg wet	10G0580	10G0580-BLK1	07/14/10 00:34
Surrogate: 1,2-Dichloroethane-d4	108%			10G0580	10G0580-BLK1	07/14/10 00:34
Surrogate: Dibromofluoromethane	106%			10G0580	10G0580-BLK1	07/14/10 00:34
Surrogate: Toluene-d8	106%			10G0580	10G0580-BLK1	07/14/10 00:34
Surrogate: 4-Bromofluorobenzene	97%			10G0580	10G0580-BLK1	07/14/10 00:34
10G1052-BLK1						
Benzene	<0.00110		mg/kg wet	10G1052	10G1052-BLK1	07/14/10 12:33
Ethylbenzene	<0.000980		mg/kg wet	10G1052	10G1052-BLK1	07/14/10 12:33
Naphthalene	<0.00170		mg/kg wet	10G1052	10G1052-BLK1	07/14/10 12:33
Toluene	<0.000890		mg/kg wet	10G1052	10G1052-BLK1	07/14/10 12:33
Xylenes, total	<0.00190		mg/kg wet	10G1052	10G1052-BLK1	07/14/10 12:33
Surrogate: 1,2-Dichloroethane-d4	107%			10G1052	10G1052-BLK1	07/14/10 12:33
Surrogate: Dibromofluoromethane	105%			10G1052	10G1052-BLK1	07/14/10 12:33
Surrogate: Toluene-d8	107%			10G1052	10G1052-BLK1	07/14/10 12:33
Surrogate: 4-Bromofluorobenzene	96%			10G1052	10G1052-BLK1	07/14/10 12:33
10G1052-BLK2						
Benzene	<0.0550		mg/kg wet	10G1052	10G1052-BLK2	07/14/10 17:17
Ethylbenzene	<0.0490		mg/kg wet	10G1052	10G1052-BLK2	07/14/10 17:17
Naphthalene	<0.0850		mg/kg wet	10G1052	10G1052-BLK2	07/14/10 17:17
Toluene	<0.0445		mg/kg wet	10G1052	10G1052-BLK2	07/14/10 17:17
Xylenes, total	<0.0950		mg/kg wet	10G1052	10G1052-BLK2	07/14/10 17:17
Surrogate: 1,2-Dichloroethane-d4	101%			10G1052	10G1052-BLK2	07/14/10 17:17
Surrogate: Dibromofluoromethane	91%			10G1052	10G1052-BLK2	07/14/10 17:17
Surrogate: Toluene-d8	108%			10G1052	10G1052-BLK2	07/14/10 17:17
Surrogate: 4-Bromofluorobenzene	98%			10G1052	10G1052-BLK2	07/14/10 17:17
10G1916-BLK1						
Benzene	<0.00110		mg/kg wet	10G1916	10G1916-BLK1	07/13/10 12:05
Ethylbenzene	<0.000980		mg/kg wet	10G1916	10G1916-BLK1	07/13/10 12:05
Naphthalene	<0.00170		mg/kg wet	10G1916	10G1916-BLK1	07/13/10 12:05
Toluene	<0.000890		mg/kg wet	10G1916	10G1916-BLK1	07/13/10 12:05
Xylenes, total	<0.00190		mg/kg wet	10G1916	10G1916-BLK1	07/13/10 12:05
Surrogate: 1,2-Dichloroethane-d4	106%			10G1916	10G1916-BLK1	07/13/10 12:05
Surrogate: Dibromofluoromethane	105%			10G1916	10G1916-BLK1	07/13/10 12:05
Surrogate: Toluene-d8	106%			10G1916	10G1916-BLK1	07/13/10 12:05
Surrogate: 4-Bromofluorobenzene	96%			10G1916	10G1916-BLK1	07/13/10 12:05

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTG0352
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	07/03/10 08:30

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B						
10G1916-BLK2						
Benzene	<0.0550		mg/kg wet	10G1916	10G1916-BLK2	07/13/10 12:36
Ethylbenzene	<0.0490		mg/kg wet	10G1916	10G1916-BLK2	07/13/10 12:36
Naphthalene	<0.0850		mg/kg wet	10G1916	10G1916-BLK2	07/13/10 12:36
Toluene	<0.0445		mg/kg wet	10G1916	10G1916-BLK2	07/13/10 12:36
Xylenes, total	<0.0950		mg/kg wet	10G1916	10G1916-BLK2	07/13/10 12:36
Surrogate: 1,2-Dichloroethane-d4	101%			10G1916	10G1916-BLK2	07/13/10 12:36
Surrogate: Dibromofluoromethane	89%			10G1916	10G1916-BLK2	07/13/10 12:36
Surrogate: Toluene-d8	107%			10G1916	10G1916-BLK2	07/13/10 12:36
Surrogate: 4-Bromofluorobenzene	98%			10G1916	10G1916-BLK2	07/13/10 12:36
Polyaromatic Hydrocarbons by EPA 8270D						
10G0743-BLK1						
Acenaphthene	<0.0140		mg/kg wet	10G0743	10G0743-BLK1	07/10/10 20:38
Acenaphthylene	<0.0200		mg/kg wet	10G0743	10G0743-BLK1	07/10/10 20:38
Anthracene	<0.00900		mg/kg wet	10G0743	10G0743-BLK1	07/10/10 20:38
Benzo (a) anthracene	<0.0110		mg/kg wet	10G0743	10G0743-BLK1	07/10/10 20:38
Benzo (a) pyrene	<0.00800		mg/kg wet	10G0743	10G0743-BLK1	07/10/10 20:38
Benzo (b) fluoranthene	<0.0380		mg/kg wet	10G0743	10G0743-BLK1	07/10/10 20:38
Benzo (g,h,i) perylene	<0.00900		mg/kg wet	10G0743	10G0743-BLK1	07/10/10 20:38
Benzo (k) fluoranthene	<0.0370		mg/kg wet	10G0743	10G0743-BLK1	07/10/10 20:38
Chrysene	<0.0310		mg/kg wet	10G0743	10G0743-BLK1	07/10/10 20:38
Dibenz (a,h) anthracene	<0.0150		mg/kg wet	10G0743	10G0743-BLK1	07/10/10 20:38
Fluoranthene	<0.0110		mg/kg wet	10G0743	10G0743-BLK1	07/10/10 20:38
Fluorene	<0.0200		mg/kg wet	10G0743	10G0743-BLK1	07/10/10 20:38
Indeno (1,2,3-cd) pyrene	<0.0310		mg/kg wet	10G0743	10G0743-BLK1	07/10/10 20:38
Naphthalene	<0.0140		mg/kg wet	10G0743	10G0743-BLK1	07/10/10 20:38
Phenanthrene	<0.0100		mg/kg wet	10G0743	10G0743-BLK1	07/10/10 20:38
Pyrene	<0.0230		mg/kg wet	10G0743	10G0743-BLK1	07/10/10 20:38
1-Methylnaphthalene	<0.0120		mg/kg wet	10G0743	10G0743-BLK1	07/10/10 20:38
2-Methylnaphthalene	<0.0210		mg/kg wet	10G0743	10G0743-BLK1	07/10/10 20:38
Surrogate: Terphenyl-d14	82%			10G0743	10G0743-BLK1	07/10/10 20:38
Surrogate: 2-Fluorobiphenyl	59%			10G0743	10G0743-BLK1	07/10/10 20:38
Surrogate: Nitrobenzene-d5	54%			10G0743	10G0743-BLK1	07/10/10 20:38

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

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTG0352
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	07/03/10 08:30

PROJECT QUALITY CONTROL DATA

Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	% Rec.	Analyzed Date/Time
General Chemistry Parameters										
10G0823-DUP1										
% Dry Solids	81.1	80.1		%	1	20	10G0823	NTG0250-01		07/07/10 08:26

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTG0352
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	07/03/10 08:30

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								
10G0580-BS1								
Benzene	50.0	45.5		ug/kg	91%	78 - 126	10G0580	07/13/10 23:31
Ethylbenzene	50.0	51.8		ug/kg	104%	79 - 130	10G0580	07/13/10 23:31
Naphthalene	50.0	57.9		ug/kg	116%	72 - 150	10G0580	07/13/10 23:31
Toluene	50.0	50.5		ug/kg	101%	76 - 126	10G0580	07/13/10 23:31
Xylenes, total	150	153		ug/kg	102%	80 - 130	10G0580	07/13/10 23:31
Surrogate: 1,2-Dichloroethane-d4	50.0	52.9			106%	67 - 138	10G0580	07/13/10 23:31
Surrogate: Dibromofluoromethane	50.0	52.0			104%	75 - 125	10G0580	07/13/10 23:31
Surrogate: Toluene-d8	50.0	52.0			104%	76 - 129	10G0580	07/13/10 23:31
Surrogate: 4-Bromofluorobenzene	50.0	49.8			100%	67 - 147	10G0580	07/13/10 23:31
10G1052-BS1								
Benzene	50.0	47.6		ug/kg	95%	78 - 126	10G1052	07/14/10 11:29
Ethylbenzene	50.0	55.7		ug/kg	111%	79 - 130	10G1052	07/14/10 11:29
Naphthalene	50.0	64.0		ug/kg	128%	72 - 150	10G1052	07/14/10 11:29
Toluene	50.0	55.5		ug/kg	111%	76 - 126	10G1052	07/14/10 11:29
Xylenes, total	150	168		ug/kg	112%	80 - 130	10G1052	07/14/10 11:29
Surrogate: 1,2-Dichloroethane-d4	50.0	54.7			109%	67 - 138	10G1052	07/14/10 11:29
Surrogate: Dibromofluoromethane	50.0	54.8			110%	75 - 125	10G1052	07/14/10 11:29
Surrogate: Toluene-d8	50.0	53.4			107%	76 - 129	10G1052	07/14/10 11:29
Surrogate: 4-Bromofluorobenzene	50.0	47.4			95%	67 - 147	10G1052	07/14/10 11:29
10G1916-BS1								
Benzene	50.0	45.7		ug/kg	91%	78 - 126	10G1916	07/13/10 11:02
Ethylbenzene	50.0	54.3		ug/kg	109%	79 - 130	10G1916	07/13/10 11:02
Naphthalene	50.0	65.7		ug/kg	131%	72 - 150	10G1916	07/13/10 11:02
Toluene	50.0	52.3		ug/kg	105%	76 - 126	10G1916	07/13/10 11:02
Xylenes, total	150	165		ug/kg	110%	80 - 130	10G1916	07/13/10 11:02
Surrogate: 1,2-Dichloroethane-d4	50.0	54.8			110%	67 - 138	10G1916	07/13/10 11:02
Surrogate: Dibromofluoromethane	50.0	53.9			108%	75 - 125	10G1916	07/13/10 11:02
Surrogate: Toluene-d8	50.0	52.6			105%	76 - 129	10G1916	07/13/10 11:02
Surrogate: 4-Bromofluorobenzene	50.0	49.0			98%	67 - 147	10G1916	07/13/10 11:02
Polyaromatic Hydrocarbons by EPA 8270D								
10G0743-BS1								
Acenaphthene	1.67	1.43		mg/kg wet	86%	49 - 120	10G0743	07/10/10 21:01
Acenaphthylene	1.67	1.43		mg/kg wet	86%	52 - 120	10G0743	07/10/10 21:01
Anthracene	1.67	1.62		mg/kg wet	97%	58 - 120	10G0743	07/10/10 21:01
Benzo (a) anthracene	1.67	1.70		mg/kg wet	102%	57 - 120	10G0743	07/10/10 21:01
Benzo (a) pyrene	1.67	1.57		mg/kg wet	94%	55 - 120	10G0743	07/10/10 21:01
Benzo (b) fluoranthene	1.67	1.48		mg/kg wet	89%	51 - 123	10G0743	07/10/10 21:01
Benzo (g,h,i) perylene	1.67	1.67		mg/kg wet	100%	49 - 121	10G0743	07/10/10 21:01
Benzo (k) fluoranthene	1.67	1.64		mg/kg wet	98%	42 - 129	10G0743	07/10/10 21:01

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

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTG0352
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	07/03/10 08:30

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								
10G0743-BS1								
Chrysene	1.67	1.51		mg/kg wet	90%	55 - 120	10G0743	07/10/10 21:01
Dibenz (a,h) anthracene	1.67	1.61		mg/kg wet	97%	50 - 123	10G0743	07/10/10 21:01
Fluoranthene	1.67	1.66		mg/kg wet	99%	58 - 120	10G0743	07/10/10 21:01
Fluorene	1.67	1.52		mg/kg wet	91%	54 - 120	10G0743	07/10/10 21:01
Indeno (1,2,3-cd) pyrene	1.67	1.75		mg/kg wet	105%	50 - 122	10G0743	07/10/10 21:01
Naphthalene	1.67	1.08		mg/kg wet	65%	28 - 120	10G0743	07/10/10 21:01
Phenanthrene	1.67	1.68		mg/kg wet	101%	56 - 120	10G0743	07/10/10 21:01
Pyrene	1.67	1.69		mg/kg wet	102%	56 - 120	10G0743	07/10/10 21:01
1-Methylnaphthalene	1.67	1.07		mg/kg wet	64%	36 - 120	10G0743	07/10/10 21:01
2-Methylnaphthalene	1.67	1.11		mg/kg wet	67%	36 - 120	10G0743	07/10/10 21:01
Surrogate: Terphenyl-d14	1.67	1.50			90%	18 - 120	10G0743	07/10/10 21:01
Surrogate: 2-Fluorobiphenyl	1.67	0.996			60%	14 - 120	10G0743	07/10/10 21:01
Surrogate: Nitrobenzene-d5	1.67	0.835			50%	17 - 120	10G0743	07/10/10 21:01

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTG0352
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	07/03/10 08:30

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										
10G0580-MS1										
Benzene	ND	0.0411		mg/kg dry	0.0524	78%	42 - 141	10G0580	NTG0363-02	07/14/10 07:19
Ethylbenzene	ND	0.0450		mg/kg dry	0.0524	86%	21 - 165	10G0580	NTG0363-02	07/14/10 07:19
Naphthalene	ND	0.0214		mg/kg dry	0.0524	41%	10 - 160	10G0580	NTG0363-02	07/14/10 07:19
Toluene	ND	0.0444		mg/kg dry	0.0524	85%	45 - 145	10G0580	NTG0363-02	07/14/10 07:19
Xylenes, total	ND	0.134		mg/kg dry	0.157	85%	31 - 159	10G0580	NTG0363-02	07/14/10 07:19
Surrogate: 1,2-Dichloroethane-d4		57.6		ug/kg	50.0	115%	67 - 138	10G0580	NTG0363-02	07/14/10 07:19
Surrogate: Dibromofluoromethane		58.8		ug/kg	50.0	118%	75 - 125	10G0580	NTG0363-02	07/14/10 07:19
Surrogate: Toluene-d8		53.0		ug/kg	50.0	106%	76 - 129	10G0580	NTG0363-02	07/14/10 07:19
Surrogate: 4-Bromofluorobenzene		49.6		ug/kg	50.0	99%	67 - 147	10G0580	NTG0363-02	07/14/10 07:19
10G1052-MS1										
Benzene	0.140	2.62		mg/kg dry	2.67	93%	42 - 141	10G1052	NTG0352-06RE1	07/15/10 22:15
Ethylbenzene	0.154	2.71		mg/kg dry	2.67	96%	21 - 165	10G1052	NTG0352-06RE1	07/15/10 22:15
Naphthalene	1.55	3.51		mg/kg dry	2.67	73%	10 - 160	10G1052	NTG0352-06RE1	07/15/10 22:15
Toluene	0.0651	2.52		mg/kg dry	2.67	92%	45 - 145	10G1052	NTG0352-06RE1	07/15/10 22:15
Xylenes, total	0.151	7.87		mg/kg dry	8.01	96%	31 - 159	10G1052	NTG0352-06RE1	07/15/10 22:15
Surrogate: 1,2-Dichloroethane-d4		47.9		ug/kg	50.0	96%	67 - 138	10G1052	NTG0352-06RE1	07/15/10 22:15
Surrogate: Dibromofluoromethane		46.8		ug/kg	50.0	94%	75 - 125	10G1052	NTG0352-06RE1	07/15/10 22:15
Surrogate: Toluene-d8		51.0		ug/kg	50.0	102%	76 - 129	10G1052	NTG0352-06RE1	07/15/10 22:15
Surrogate: 4-Bromofluorobenzene		50.9		ug/kg	50.0	102%	67 - 147	10G1052	NTG0352-06RE1	07/15/10 22:15
10G1916-MS1										
Benzene	ND	1.57		mg/kg wet	2.19	72%	42 - 141	10G1916	NTG0113-01RE1	07/13/10 21:26
Ethylbenzene	ND	1.92		mg/kg wet	2.19	88%	21 - 165	10G1916	NTG0113-01RE1	07/13/10 21:26
Naphthalene	0.154	2.11		mg/kg wet	2.19	89%	10 - 160	10G1916	NTG0113-01RE1	07/13/10 21:26
Toluene	ND	1.80		mg/kg wet	2.19	82%	45 - 145	10G1916	NTG0113-01RE1	07/13/10 21:26
Xylenes, total	ND	5.75		mg/kg wet	6.58	87%	31 - 159	10G1916	NTG0113-01RE1	07/13/10 21:26
Surrogate: 1,2-Dichloroethane-d4		51.1		ug/kg	50.0	102%	67 - 138	10G1916	NTG0113-01RE1	07/13/10 21:26
Surrogate: Dibromofluoromethane		48.3		ug/kg	50.0	97%	75 - 125	10G1916	NTG0113-01RE1	07/13/10 21:26

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTG0352
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	07/03/10 08:30

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
Volatile Organic Compounds by EPA Method 8260B										
10G1916-MS1										
Surrogate: Toluene-d8		52.2		ug/kg	50.0	104%	76 - 129	10G1916	NTG0113-01RE1	07/13/10 21:26
Surrogate: 4-Bromofluorobenzene		51.3		ug/kg	50.0	103%	67 - 147	10G1916	NTG0113-01RE1	07/13/10 21:26
Polyaromatic Hydrocarbons by EPA 8270D										
10G0743-MS1										
Acenaphthene	ND	1.35		mg/kg dry	1.82	74%	42 - 120	10G0743	NTG0348-01	07/10/10 21:23
Acenaphthylene	ND	1.32		mg/kg dry	1.82	72%	32 - 120	10G0743	NTG0348-01	07/10/10 21:23
Anthracene	ND	1.50		mg/kg dry	1.82	82%	10 - 200	10G0743	NTG0348-01	07/10/10 21:23
Benzo (a) anthracene	ND	1.54		mg/kg dry	1.82	85%	41 - 120	10G0743	NTG0348-01	07/10/10 21:23
Benzo (a) pyrene	ND	1.41		mg/kg dry	1.82	78%	33 - 121	10G0743	NTG0348-01	07/10/10 21:23
Benzo (b) fluoranthene	ND	1.41		mg/kg dry	1.82	78%	26 - 137	10G0743	NTG0348-01	07/10/10 21:23
Benzo (g,h,i) perylene	ND	1.53		mg/kg dry	1.82	84%	21 - 124	10G0743	NTG0348-01	07/10/10 21:23
Benzo (k) fluoranthene	ND	1.38		mg/kg dry	1.82	76%	14 - 140	10G0743	NTG0348-01	07/10/10 21:23
Chrysene	ND	1.40		mg/kg dry	1.82	77%	28 - 123	10G0743	NTG0348-01	07/10/10 21:23
Dibenz (a,h) anthracene	ND	1.48		mg/kg dry	1.82	82%	25 - 127	10G0743	NTG0348-01	07/10/10 21:23
Fluoranthene	ND	1.46		mg/kg dry	1.82	80%	38 - 120	10G0743	NTG0348-01	07/10/10 21:23
Fluorene	ND	1.41		mg/kg dry	1.82	78%	41 - 120	10G0743	NTG0348-01	07/10/10 21:23
Indeno (1,2,3-cd) pyrene	ND	1.60		mg/kg dry	1.82	88%	25 - 123	10G0743	NTG0348-01	07/10/10 21:23
Naphthalene	ND	1.02		mg/kg dry	1.82	56%	25 - 120	10G0743	NTG0348-01	07/10/10 21:23
Phenanthrene	ND	1.50		mg/kg dry	1.82	83%	37 - 120	10G0743	NTG0348-01	07/10/10 21:23
Pyrene	ND	1.56		mg/kg dry	1.82	86%	29 - 125	10G0743	NTG0348-01	07/10/10 21:23
1-Methylnaphthalene	ND	0.996		mg/kg dry	1.82	55%	19 - 120	10G0743	NTG0348-01	07/10/10 21:23
2-Methylnaphthalene	ND	1.09		mg/kg dry	1.82	60%	11 - 120	10G0743	NTG0348-01	07/10/10 21:23
Surrogate: Terphenyl-d14		1.36		mg/kg dry	1.82	75%	18 - 120	10G0743	NTG0348-01	07/10/10 21:23
Surrogate: 2-Fluorobiphenyl		1.12		mg/kg dry	1.82	62%	14 - 120	10G0743	NTG0348-01	07/10/10 21:23
Surrogate: Nitrobenzene-d5		0.935		mg/kg dry	1.82	51%	17 - 120	10G0743	NTG0348-01	07/10/10 21:23

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTG0352
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	07/03/10 08:30

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												
10G0580-MSD1												
Benzene	ND	0.0287		mg/kg dry	0.0522	55%	42 - 141	36	50	10G0580	NTG0363-02	07/14/10 07:49
Ethylbenzene	ND	0.0276		mg/kg dry	0.0522	53%	21 - 165	48	50	10G0580	NTG0363-02	07/14/10 07:49
Naphthalene	ND	0.0118	R2	mg/kg dry	0.0522	23%	10 - 160	58	50	10G0580	NTG0363-02	07/14/10 07:49
Toluene	ND	0.0309		mg/kg dry	0.0522	59%	45 - 145	36	50	10G0580	NTG0363-02	07/14/10 07:49
Xylenes, total	ND	0.0793	R2	mg/kg dry	0.157	51%	31 - 159	51	50	10G0580	NTG0363-02	07/14/10 07:49
Surrogate: 1,2-Dichloroethane-d4		52.5		ug/kg	50.0	105%	67 - 138			10G0580	NTG0363-02	07/14/10 07:49
Surrogate: Dibromofluoromethane		52.1		ug/kg	50.0	104%	75 - 125			10G0580	NTG0363-02	07/14/10 07:49
Surrogate: Toluene-d8		54.0		ug/kg	50.0	108%	76 - 129			10G0580	NTG0363-02	07/14/10 07:49
Surrogate: 4-Bromofluorobenzene		47.7		ug/kg	50.0	95%	67 - 147			10G0580	NTG0363-02	07/14/10 07:49
10G1052-MSD1												
Benzene	0.140	2.85		mg/kg dry	2.67	101%	42 - 141	8	50	10G1052	NTG0352-06R E1	07/15/10 22:46
Ethylbenzene	0.154	3.02		mg/kg dry	2.67	107%	21 - 165	11	50	10G1052	NTG0352-06R E1	07/15/10 22:46
Naphthalene	1.55	3.96		mg/kg dry	2.67	90%	10 - 160	12	50	10G1052	NTG0352-06R E1	07/15/10 22:46
Toluene	0.0651	2.74		mg/kg dry	2.67	100%	45 - 145	9	50	10G1052	NTG0352-06R E1	07/15/10 22:46
Xylenes, total	0.151	8.84		mg/kg dry	8.01	108%	31 - 159	12	50	10G1052	NTG0352-06R E1	07/15/10 22:46
Surrogate: 1,2-Dichloroethane-d4		47.5		ug/kg	50.0	95%	67 - 138			10G1052	NTG0352-06R E1	07/15/10 22:46
Surrogate: Dibromofluoromethane		47.7		ug/kg	50.0	95%	75 - 125			10G1052	NTG0352-06R E1	07/15/10 22:46
Surrogate: Toluene-d8		49.6		ug/kg	50.0	99%	76 - 129			10G1052	NTG0352-06R E1	07/15/10 22:46
Surrogate: 4-Bromofluorobenzene		51.2		ug/kg	50.0	102%	67 - 147			10G1052	NTG0352-06R E1	07/15/10 22:46
10G1916-MSD1												
Benzene	ND	1.89		mg/kg wet	2.19	86%	42 - 141	18	50	10G1916	NTG0113-01R E1	07/13/10 21:58
Ethylbenzene	ND	2.37		mg/kg wet	2.19	108%	21 - 165	21	50	10G1916	NTG0113-01R E1	07/13/10 21:58
Naphthalene	0.154	2.53		mg/kg wet	2.19	108%	10 - 160	18	50	10G1916	NTG0113-01R E1	07/13/10 21:58
Toluene	ND	2.28		mg/kg wet	2.19	104%	45 - 145	24	50	10G1916	NTG0113-01R E1	07/13/10 21:58
Xylenes, total	ND	7.08		mg/kg wet	6.58	108%	31 - 159	21	50	10G1916	NTG0113-01R E1	07/13/10 21:58
Surrogate: 1,2-Dichloroethane-d4		48.8		ug/kg	50.0	98%	67 - 138			10G1916	NTG0113-01R E1	07/13/10 21:58
Surrogate: Dibromofluoromethane		47.5		ug/kg	50.0	95%	75 - 125			10G1916	NTG0113-01R E1	07/13/10 21:58
Surrogate: Toluene-d8		53.9		ug/kg	50.0	108%	76 - 129			10G1916	NTG0113-01R E1	07/13/10 21:58
Surrogate: 4-Bromofluorobenzene		50.8		ug/kg	50.0	102%	67 - 147			10G1916	NTG0113-01R E1	07/13/10 21:58

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

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NTG0352
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	07/03/10 08:30

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
Volatile Organic Compounds by EPA Method 8260B												
Polyaromatic Hydrocarbons by EPA 8270D												
10G0743-MSD1												
Acenaphthene	ND	1.29		mg/kg dry	1.82	71%	42 - 120	5	40	10G0743	NTG0348-01	07/10/10 21:46
Acenaphthylene	ND	1.31		mg/kg dry	1.82	72%	32 - 120	0.5	30	10G0743	NTG0348-01	07/10/10 21:46
Anthracene	ND	1.42		mg/kg dry	1.82	78%	10 - 200	5	50	10G0743	NTG0348-01	07/10/10 21:46
Benzo (a) anthracene	ND	1.49		mg/kg dry	1.82	82%	41 - 120	3	30	10G0743	NTG0348-01	07/10/10 21:46
Benzo (a) pyrene	ND	1.34		mg/kg dry	1.82	74%	33 - 121	6	33	10G0743	NTG0348-01	07/10/10 21:46
Benzo (b) fluoranthene	ND	1.23		mg/kg dry	1.82	68%	26 - 137	14	42	10G0743	NTG0348-01	07/10/10 21:46
Benzo (g,h,i) perylene	ND	1.45		mg/kg dry	1.82	80%	21 - 124	5	32	10G0743	NTG0348-01	07/10/10 21:46
Benzo (k) fluoranthene	ND	1.40		mg/kg dry	1.82	77%	14 - 140	2	39	10G0743	NTG0348-01	07/10/10 21:46
Chrysene	ND	1.30		mg/kg dry	1.82	72%	28 - 123	7	34	10G0743	NTG0348-01	07/10/10 21:46
Dibenz (a,h) anthracene	ND	1.40		mg/kg dry	1.82	77%	25 - 127	6	31	10G0743	NTG0348-01	07/10/10 21:46
Fluoranthene	ND	1.40		mg/kg dry	1.82	77%	38 - 120	4	35	10G0743	NTG0348-01	07/10/10 21:46
Fluorene	ND	1.36		mg/kg dry	1.82	75%	41 - 120	4	37	10G0743	NTG0348-01	07/10/10 21:46
Indeno (1,2,3-cd) pyrene	ND	1.48		mg/kg dry	1.82	81%	25 - 123	8	32	10G0743	NTG0348-01	07/10/10 21:46
Naphthalene	ND	0.933		mg/kg dry	1.82	51%	25 - 120	8	42	10G0743	NTG0348-01	07/10/10 21:46
Phenanthrene	ND	1.45		mg/kg dry	1.82	80%	37 - 120	4	32	10G0743	NTG0348-01	07/10/10 21:46
Pyrene	ND	1.48		mg/kg dry	1.82	82%	29 - 125	5	40	10G0743	NTG0348-01	07/10/10 21:46
1-Methylnaphthalene	ND	0.968		mg/kg dry	1.82	53%	19 - 120	3	45	10G0743	NTG0348-01	07/10/10 21:46
2-Methylnaphthalene	ND	1.04		mg/kg dry	1.82	57%	11 - 120	5	50	10G0743	NTG0348-01	07/10/10 21:46
Surrogate: Terphenyl-d14		1.32		mg/kg dry	1.82	73%	18 - 120			10G0743	NTG0348-01	07/10/10 21:46
Surrogate: 2-Fluorobiphenyl		1.06		mg/kg dry	1.82	58%	14 - 120			10G0743	NTG0348-01	07/10/10 21:46
Surrogate: Nitrobenzene-d5		0.893		mg/kg dry	1.82	49%	17 - 120			10G0743	NTG0348-01	07/10/10 21:46

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:	NTG0352
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	07/03/10 08:30

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:	NTG0352
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	07/03/10 08:30

DATA QUALIFIERS AND DEFINITIONS

J	Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
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

NTG0352
07/20/10 23:59

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

Site State: SC
PO#: 0826
TA Quote #:
Project ID: Laurel Bay Housing Project
Project #:

	Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Ice	HNO_3 (Red Label)	H_2SO_4 (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass(Yellow Label)	None (Black Label)	Other (Specify)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	Analyze For: BTEX + Napth - 8260B	PAH - 8270D	RUSH TAT (Pre-Schedule)
01	648 Dahlia-1	6/30/10	0750	5	X					2				2	—					X		3	2	
02	648 Dahlia-2	6/30/10	0810	5	X					2				2	—					X		3	2	
03	644 Dahlia-1	6/30/10	0830	5	X					2				2	—					X		3	2	
04	644 Dahlia-2	6/30/10	0850	5	X					2				2	1					X		3	2	
05	640 Dahlia-1	6/30/10	0930	5	X					2				2	1					X		3	2	
06	640 Dahlia-2	6/30/10	0945	5	X					2				2	1					X		3	2	
07	626 Dahlia	6/30/10	1345	5	X					2				2	1					X		3	2	

Special Instructions:

Method of Shipment: FEDEX

Relinquished by:	Date	Time	Received by:	Date	Time
	7/2/10	0830	Fedex	7/2/10	
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time
				7/3	8:30

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

ATTACHMENT A

UST Certificate of Disposal

CONTRACTOR

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

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

TANK ID & LOCATION

UST 640Dahlia-1, 640 Dahlia Drive, Laurel Bay Housing Area, MCAS Beaufort, S.C.

DISPOSAL LOCATION

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

TYPE OF TANK	SIZE (GAL)
Steel	280

CLEANING/DISPOSAL METHOD

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

DISPOSAL CERTIFICATION

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

T. C. McAdoo , 8/10/10

(Name) (Date)

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

CWMI

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

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
MCAS, Beaufort
Laurel Bay Housing
Beaufort, SC 29904

4. Generator's Phone 843 228-6460

A. Manifest Number WMNA 10885423

B. State Generator's ID

5. Transporter 1 Company Name: EEG, Inc.

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone 843 879-0411

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
HICKORY HILL LANDFILL
ROUTE 1, BOX 121
RIDGELAND SC 29936

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 843 987-4643

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. Heating Oil Tank filled with Sand WM Profile # 1026558C	001		9136	TN	
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
UST is from houses;
D640 Dahlia - 2 ✓
2) 638 Dahlia ✓
3) 632 Dahlia ✓
4) 626 Dahlia

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
W.B. Dukes, J.		09	06	10

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
James Baldwin	James Baldwin	09	07	10

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed 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/Typed Name	Signature	Month	Day	Year
Toni Cofield	Toni Cofield	09	07	10

CWM - NHM - 1 - 5/97

#2 - GENERATOR #1 COPY

Appendix C

Laboratory Analytical Report - Initial Groundwater

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

Appendix D

Laboratory Analytical Report – Permanent Well Groundwater

CDM - AECOM

Multimedia Joint Venture

Volatile Organic Compounds by GC/MS

Client: **AECOM - Resolution Consultants**
Laboratory ID: **RG23003-008**
Description: **BEALB640MW01WG20160722**
Matrix: **Aqueous**
Date Sampled: **07/22/2016 0855**
Date Received: **07/23/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/26/2016 1340	TML		18308

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

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		94	85-114
Dibromofluoromethane		113	80-119
1,2-Dichloroethane-d4		107	81-118
Toluene-d8		100	89-112

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
Q = Surrogate failure
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
L = LCS/LCSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
S = MS/MSD failure

Semivolatile Organic Compounds by GC/MS

Client: **AECOM - Resolution Consultants**
Laboratory ID: **RG23003-008**
Description: **BEALB640MW01WG20160722**
Matrix: **Aqueous**
Date Sampled: **07/22/2016 0855**
Date Received: **07/23/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	08/02/2016 1426	RBH	07/27/2016 1918	18481

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzo(a)anthracene	56-55-3	8270D	0.10	U	0.20	0.10	0.040	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D	0.10	U	0.20	0.10	0.040	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D	0.10	U	0.20	0.10	0.040	ug/L	1
Chrysene	218-01-9	8270D	0.10	U	0.20	0.10	0.040	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D	0.10	U	0.20	0.10	0.040	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Nitrobenzene-d5		60	44-120
2-Fluorobiphenyl		56	44-119
Terphenyl-d14		73	50-134

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
Q = Surrogate failure
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
L = LCS/LCSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
S = MS/MSD failure

Volatile Organic Compounds by GC/MS

Client: **AECOM - Resolution Consultants**
Laboratory ID: **RG23003-009**
Description: **BEALB640MW02WG20160722**
Matrix: **Aqueous**
Date Sampled: **07/22/2016 0940**
Date Received: **07/23/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/26/2016 1403	TML		18308

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

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		93	85-114
Dibromofluoromethane		111	80-119
1,2-Dichloroethane-d4		107	81-118
Toluene-d8		102	89-112

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
Q = Surrogate failure
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
L = LCS/LCSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
S = MS/MSD failure

Semivolatile Organic Compounds by GC/MS

Client: **AECOM - Resolution Consultants**
Laboratory ID: **RG23003-009**
Description: **BEALB640MW02WG20160722**
Matrix: **Aqueous**
Date Sampled: **07/22/2016 0940**
Date Received: **07/23/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	08/02/2016 1450	RBH	07/27/2016 1918	18481

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzo(a)anthracene	56-55-3	8270D	0.10	U	0.20	0.10	0.040	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D	0.10	U	0.20	0.10	0.040	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D	0.10	U	0.20	0.10	0.040	ug/L	1
Chrysene	218-01-9	8270D	0.10	U	0.20	0.10	0.040	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D	0.10	U	0.20	0.10	0.040	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Nitrobenzene-d5		56	44-120
2-Fluorobiphenyl		52	44-119
Terphenyl-d14		68	50-134

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
Q = Surrogate failure
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
L = LCS/LCSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
S = MS/MSD failure

Appendix E
Regulatory Correspondence

D H E C

PROMOTE PROTECT PROSPER

Catherine B. Templeton, Director

May 15, 2014

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

RE: IGWA
Laurel Bay Underground Storage Tank Assessment Reports for:
See attached sheet

Dear Mr. Drawdy,

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

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

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

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

Sincerely,

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

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

Attachment to: Krieg to Drawdy
Subject: IGWA
Dated 5/15/2014

Laurel Bay Underground Storage Tank Assessment Reports for: (121 addresses/139 tanks)

137 Laurel Bay Tank 2	387 Acorn
139 Laurel Bay	392 Acorn Tank 2
229 Cypress Tank 2	396 Acorn Tank 1
261 Beech Tank 1	396 Acorn Tank 2
261 Beech Tank 3	430 Elderberry
273 Birch Tank 1	433 Elderberry
273 Birch Tank 2	439 Elderberry
273 Birch Tank 3	440 Elderberry
276 Birch Tank 2	442 Elderberry
278 Birch Tank 2	443 Elderberry
291 Birch Tank 2	444 Elderberry Tank 1
300 Ash	445 Elderberry
304 Ash	446 Elderberry
314 Ash Tank 1	448 Elderberry
314 Ash Tank 2	449 Elderberry
322 Ash Tank 2	451 Elderberry
323 Ash	453 Elderberry
324 Ash	456 Elderberry Tank 1
325 Ash Tank 1	456 Elderberry Tank 2
325 Ash Tank 2	458 Elderberry Tank 1
326 Ash	458 Elderberry Tank 3
336 Ash	464 Dogwood
339 Ash	466 Dogwood
343 Ash Tank 1	467 Dogwood
344 Ash Tank 1	468 Dogwood
348 Ash	469 Dogwood
349 Ash Tank 1	471 Dogwood Tank 2
353 Ash Tank 1	471 Dogwood Tank 3
362 Aspen	475 Dogwood Tank 1
376 Aspen	475 Dogwood Tank 2
380 Aspen	516 Laurel Bay Tank 1 (UST#03747)
383 Aspen Tank 2	518 Laurel Bay

Laurel Bay Underground Storage Tank Assessment Reports for: (121 addresses/139 tanks) cont.

531 Laurel Bay	1219 Cardinal
532 Laurel Bay	1272 Albatross
635 Dahlia Tank 2	1305 Eagle
638 Dahlia	1353 Cardinal
640 Dahlia Tank 1	1356 Cardinal
640 Dahlia Tank 2	1357 Cardinal
645 Dahlia	1359 Cardinal
647 Dahlia	1360 Cardinal
648 Dahlia Tank 2	1361 Cardinal
650 Dahlia Tank 1	1368 Cardinal
650 Dahlia Tank 2	1370 Cardinal Tank 1
652 Dahlia Tank 1	1377 Dove
652 Dahlia Tank 2	1381 Dove
760 Althea	1382 Dove
763 Althea	1384 Dove
771 Althea	1385 Dove
927 Albacore	1389 Dove
1015 Foxglove	1391 Dove
1046 Gardenia	1392 Dove
1062 Gardenia Tank 2	1393 Dove Tank 1
1070 Heather	1393 Dove Tank 2
1072 Heather	1406 Eagle
1102 Iris Tank 1	1407 Eagle Tank 1
1107 Iris	1411 Eagle Tank 1
1126 Iris	1411 Eagle Tank 2
1129 Iris	1412 Eagle
1132 Iris	1413 Albatross
1133 Iris Tank 1	1414 Albatross
1138 Iris	1422 Albatross
1144 Iris Tank 1	1425 Albatross
1144 Iris Tank 2	1426 Albatross
1148 Iris Tank 1	1432 Dove
1148 Iris Tank 2	1434 Dove
1161 Jasmine	1436 Dove
1167 Jasmine	1438 Dove Tank 1
1170 Jasmine	1440 Dove
1190 Bobwhite	1442 Dove Tank 1
1192 Bobwhite	

D H E C
PROMOTE PROTECT PROSPER

Catherine E. Heigel, Director
Promoting and protecting the health of the public and the environment

Division of Waste Management
Bureau of Land and Waste Management

February 22, 2016

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

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

Dear Mr. Drawdy,

The South Carolina Department of Health and Environmental Control (the Department) received groundwater data in the above referenced Groundwater Investigation Report for the addresses attached. The regulatory authority for the investigation and cleanup of releases from these tank systems is the South Carolina Pollution Control Act (S.C. Code Ann. §48-1-10 et seq., as amended).

Per the Department's request, groundwater samples were collected from the attached referenced addresses. The Department reviewed the groundwater data and previous investigations and it agrees with the conclusions and recommendations included in the document. To further assess the impact to groundwater, permanent wells should be installed at the 52 stated addresses. For the remaining 91 addresses, there is no indication of contamination on the property and therefore no further investigation is required at this time.

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

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

Sincerely,

Laurel Petrus
RCRA Federal Facilities Section

Attachment: Specific Property Recommendations

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

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

Draft Final Initial Groundwater Investigation Report for (143 addresses)

Permanent Monitoring Well Investigation recommendation (52 addresses)	
273 Birch Drive	1192 Bobwhite Drive
325 Ash Street	1194 Bobwhite Drive
326 Ash Street	1272 Albatross Drive
336 Ash Street	1352 Cardinal Lane
343 Ash Street	1356 Cardinal Lane
353 Ash Street	1359 Cardinal Lane
430 Elderberry Drive	1360 Cardinal Lane
440 Elderberry Drive	1362 Cardinal Lane
456 Elderberry Drive	1370 Cardinal Lane
458 Elderberry Drive	1382 Dove Lane
468 Dogwood Drive	1384 Dove lane
518 Laurel Bay Blvd	1385 Dove Lane
635 Dahlia Drive	1389 Dove Lane
638 Dahlia Drive	1392 Dove Lane
640 Dahlia Drive	1393 Dove Lane
647 Dahlia Drive	1407 Eagle Lane
648 Dahlia Drive	1411 Eagle Lane
650 Dahlia Drive	1418 Albatross Drive
652 Dahlia Drive	1420 Albatross Drive
760 Althea Street	1426 Albatross Drive
1102 Iris Lane	1429 Albatross Drive
1132 Iris Lane	1434 Dove Lane
1133 Iris Lane	1436 Dove Lane
1144 Iris Lane	1440 Dove Lane
1148 Iris Lane	1442 Dove Lane
1186 Bobwhite Drive	1444 Dove Lane
No Further Action recommendation (91 addresses):	
137 Laurel Bay Blvd	771 Althea Street
139 Laurel Bay Blvd	927 Albacore Street
229 Cypress Street	1015 Foxglove Street
261 Beech Street	1046 Gardenia Drive
276 Birch Drive	1062 Gardenia Drive
278 Birch Drive	1070 Heather Street
291 Birch Drive	1072 Heather Street

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

dhec
Healthy People. Healthy Communities.

March 9, 2017

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

RE: Tank Removal Report 434 Elderberry Drive, October 2013 and
Draft Final Groundwater Assessment Report June and July 2016

Dear Mr. Drawdy:

The South Carolina Department of Health and Environmental Control (the Department) received groundwater data from permanent monitoring well installations in the Draft Final Groundwater Assessment Report June and July 2016 , Laurel Bay Military Housing Area for the addresses shown in the attachment. The Department also reviewed the tank removal report for 434 Elderberry. The tank was removed in 2013. The regulatory authority for the investigation and cleanup of releases from these tank systems is the South Carolina Pollution Control Act (S.C. Code Ann. §48-1-10 et seq., as amended).

The tank removal report for 434 Elderberry Drive indicates no soil contamination was found on the property. No Further investigation is required at this time at 434 Elderberry Drive.

Per the Department's request, groundwater samples were collected from the attached referenced addresses. The Department reviewed the groundwater data and previous investigations and it agrees with the conclusions and recommendations included in the document. To further assess the impact to groundwater, groundwater monitoring should begin at the fifteen stated addresses. For the remaining twelve addresses, there is no indication of contamination on the property and therefore no further investigation is required at this time.

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

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

Sincerely,

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

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

Attachment to: Petrus to Drawdy
Dated March 9, 2017

Draft Final Initial Groundwater Assessment Report for (27 addresses)

Groundwater Monitoring recommendation (15 addresses)	
273 Birch Drive	456 Elderberry Drive
325 Ash Steet	458 Elderberry Drive
326 Ash Street	648 Dahlia Drive
330 Ash Street	650 Dahlia Drive
336 Ash Street	1132 Iris Lane
343 Ash Street	1144 Iris Lane
353 Ash Street	1148 Iris Lane
440 Elderberry Drive	
No Further Action recommendation (12 addresses):	
430 Elderberry Drive	647 Dahlia Drive
468 Dogwood Drive	652 Dahlia Drive
518 Laurel Bay Blvd	760 Althea Street
635 Dahlia Drive	1102 iris Lane
638 Dahlia Drive	1133 Iris Lane
640 Dahlia Drive	1272 Albatross Drive

Tank Removal Report October 2013 (1 address)

No Further Action
434 Elderberry Drive