SUMMARY REPORT
157 ASH STREET (FORMERLY 316 ASH STREET)
LAUREL BAY MILITARY HOUSING AREA
MARINE CORPS AIR STATION BEAUFORT
BEAUFORT, SC

Revision: 0
Prepared for:

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

and

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

JUNE 2021

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Prepared by:

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

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

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List of Acronyms

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

1.0 INTRODUCTION

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

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

This report summarizes the results the environmental investigation activities associated with the storage of home heating oil and the potential release of petroleum constituents at the referenced property. Based on the results of the investigation, a No Further Action (NFA) determination has been made by the South Carolina Department of Health and Environmental Control (SCDHEC) for 157 Ash Street (Formerly 316 Ash Street). This NFA determination indicates that there are no unacceptable risks to human health or the environment for the petroleum constituents associated with the home heating oil USTs. The following information is included in this report:

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

1.1 Background Information

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

is bordered on the west by salt marshes and the Broad River, and to the north, east and south by uplands. Forested areas lie along the northern and northeastern borders.

Capehart style homes within the LBMH area were formerly heated using heating oil stored in USTs at each residence. There were 1,100 Capehart style housing units in the LBMH area. The newer duplex homes within the LBMH area never utilized heating oil tanks. Heating oil has not been used at Laurel Bay since the mid-1980s. As was the accepted practice at the time, USTs were drained, filled with dirt, capped, and left in place when they were removed from service. Residential USTs are not regulated in the State of South Carolina (i.e., there are no federal or state laws governing installation, management, or removal).

In 2007, MCAS Beaufort began a voluntary program to remove the unregulated, residential USTs and conduct sampling activities to determine if, and to what extent, petroleum constituents may have impacted the surrounding environment. MCAS Beaufort coordinated with SCDHEC to develop removal procedures that were consistent with procedural requirements for regulated USTs. All tank removal activities and follow-on actions are conducted in coordination with SCDHEC. To date, all known USTs have been removed from all residential properties within the LBMH area.

1.2 UST Removal and Assessment Process

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

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

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

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

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

2.0 SAMPLING ACTIVITIES AND RESULTS

The following section presents the sampling activities and associated results for 157 Ash Street (Formerly 316 Ash Street). Details regarding the soil investigation at this site are provided in the *SCDHEC UST Assessment Report – 316 Ash Street* (MCAS Beaufort, 2011) and in the *SCDHEC UST Assessment Report – 316 Ash Street* (MCAS Beaufort, 2020). The UST Assessment Reports are provided in Appendix B. Details regarding the IGWA sampling activities at this site are provided in the *Initial Groundwater Investigation Report – November and December 2015* (Resolution Consultants, 2016) and in the *Technical Memorandum – Initial Groundwater Assessment July 2020* (Resolution Consultants, 2020). The laboratory reports that includes the pertinent IGWA analytical results for this site is presented in Appendix C.

2.1 UST Removal and Soil Sampling

In May 2011 and December 2019, two 280 gallon heating oil USTs were removed from the front landscaped bed area adjacent to the concrete porch and walk at 157 Ash Street (Formerly 316

Ash Street). Tank 1 was removed on May 24, 2011. Tank 2 was removed on December 12, 2019. The former UST locations are indicated on Figures 2 and 3 of the UST Assessment Reports (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 Reports (Appendix B), the depths to the bases of the USTs were 4'7" bgs (Tank 1) and 6'6" bgs (Tank 2). A single soil sample was collected for each at a depth of 4'7" bgs (Tank 1) and 4'0" bgs (Tank 2). The samples were collected from the fill port side of the former USTs to represent a worst case scenario 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 reports are included in the UST Assessment Reports presented in Appendix B. The laboratory analytical data reports include 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 UST locations (Tanks 1 and 2) at 157 Ash Street (Formerly 316 Ash Street) were greater than the SCDHEC RBSLs, which indicated further investigation was required. In letters dated July 1, 2015, and March 19, 2020, SCDHEC requested IGWAs for 157 Ash Street (Formerly 316 Ash Street) to determine if the groundwater was impacted by petroleum COPCs. SCDHEC's request letters are provided in Appendix D.

2.3 Groundwater Sampling

In November 2015 and July 2020, two temporary monitoring wells were installed at 157 Ash Street (Formerly 316 Ash Street), 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 Reports (Appendix B). Further details are provided in the *Initial Groundwater Investigation Report – November and December 2015* (Resolution Consultants, 2016) and in the *Technical Memorandum – Initial Groundwater Assessment July 2020* (Resolution Consultants, 2020).

The sampling strategy for this phase of the investigation required a one-time sampling event of the temporarily installed 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. Upon completion of groundwater sampling, the temporary wells were abandoned in accordance with the South Carolina Well Standards and Regulations R.61-71 (SCDHEC, 2016). Field forms are provided in the *Initial Groundwater Investigation Report – November and December 2015* (Resolution Consultants, 2016) and in the *Technical Memorandum – Initial Groundwater Assessment July 2020* (Resolution Consultants, 2020).

2.4 Groundwater Analytical Results

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

The groundwater results collected from 157 Ash Street (Formerly 316 Ash Street) were less than the SCDHEC RBSLs and the site specific groundwater VISLs (Table 2), which indicated that the groundwater was not impacted by COPCs associated with the former USTs (Tanks 1 and 2) at concentrations that present a potential risk to human health and the environment.

3.0 PROPERTY STATUS

Based on the analytical results for groundwater, SCDHEC made the determination that NFA was required for 157 Ash Street (Formerly 316 Ash Street). These NFA determinations were obtained in letters dated June 8, 2016 and October 26, 2020. SCDHEC's NFA letters are provided in Appendix D.

4.0 REFERENCES

Marine Corps Air Station Beaufort, 2011. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 316 Ash Street, Laurel Bay Military Housing Area*, September 2011.

Marine Corps Air Station Beaufort, 2020. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 316 Ash Street, Laurel Bay Military Housing Area*, February 2020.

Resolution Consultants, 2016. *Initial Groundwater Investigation Report – November and December 2015 for Laurel Bay Military Housing Area, Multiple Properties, Laurel Bay Military Housing Area, Marine Corps Air Station Beaufort, Beaufort, South Carolina*, April 2016.

Resolution Consultants, 2020. *Technical Memorandum - Initial Groundwater Assessment – July 2020 for 316 Ash Street, Laurel Bay Military Housing Area, Marine Corps Air Station Beaufort, Beaufort, South Carolina*, September 2020.

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
157 Ash Street (Formerly 316 Ash Street)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs [(1)]	Results Samples Collected 05/24/11 and 12/12/19	
		Tank 1 5/24/2011	Tank 2 12/12/2019
Volatile Organic Compounds Analyzed by EPA Method 8260B (mg/kg)			
Benzene	0.003	ND	ND
Ethylbenzene	1.15	**0.0599**	**0.094**
Naphthalene	0.036	**1.43**	**0.044**
Toluene	0.627	**0.00352**	ND
Xylenes, Total	13.01	**0.0235**	**0.048**
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (mg/kg)			
Benzo(a)anthracene	0.066	**0.0830**	**0.047**
Benzo(b)fluoranthene	0.066	ND	**0.046**
Benzo(k)fluoranthene	0.066	ND	**0.018**
Chrysene	0.066	**0.120**	**0.052**
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 1.1 and 3.1 (SCDHEC, February 2011 and SCDHEC, February 2016).

Bold font indicates the analyte was detected.
Bold font and shading indicates the concentration exceeds the SCDHEC RBSL.
EPA - United States Environmental Protection Agency
mg/kg - milligrams per kilogram
ND - not detected at the reporting limit (or method detection limit if shown on the laboratory report). The soil laboratory report is provided in Appendix B.
RBSL - Risk-Based Screening Level
SCDHEC - South Carolina Department Of Health and Environmental Control

Table 2
Laboratory Analytical Results - Groundwater
157 Ash Street (Formerly 316 Ash Street)
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 11/10/15 and 07/21/20	
			TW01 11/10/15	TW02 07/21/20
Volatile Organic Compounds Analyzed by EPA Method 8260B (µg/L)				
Benzene	5	16.24	ND	ND
Ethylbenzene	700	45.95	ND	**0.57**
Naphthalene	25	29.33	ND	**1.3**
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 3.0 and 3.1 (SCDHEC, May 2015 and 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 reports are provided in Appendix C.

RBSL - Risk-Based Screening Level

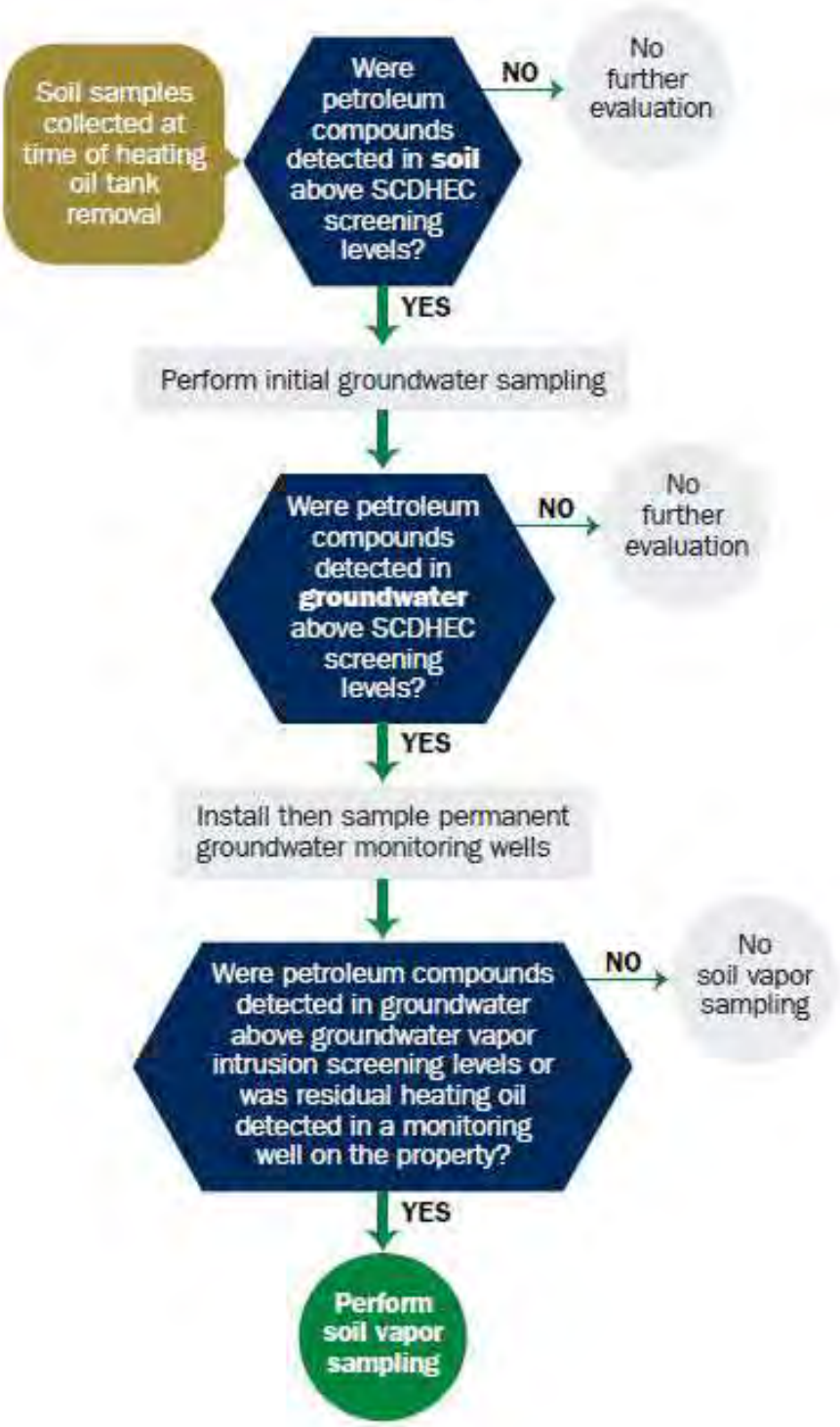
SCDHEC - South Carolina Department Of Health and Environmental Control

µg/L - micrograms per liter

VISL - Vapor Intrusion Screening Level

Appendix A
Multi-Media Selection Process for LBMH

CDM - AECOM
Multimedia Joint Venture



Appendix A - Multi-Media Selection Process for LBMH

Appendix B
UST Assessment Reports

CDM - AECOM
Multimedia Joint Venture

2cc'd 9/20/11

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

316 Ash Street, 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).....	316Ash				
B.	Capacity..(ex. 1k, 2k).....	Heating oil				
C.	Age.....	280 gal				
D.	Construction Material..(ex. Steel, FRP).....	Late 1950s				
E.	Month/Year of Last Use.....	Steel				
F.	Depth (ft.) To Base of Tank.....	Mid 1980s				
G.	Spill Prevention Equipment Y/N.....	4'7"				
H.	Overfill Prevention Equipment Y/N.....	No				
I.	Method of Closure Removed/Filled.....	No				
J.	Date Tanks Removed/Filled.....	Removed				
K.	Visible Corrosion or Pitting Y/N.....	5/24/11				
L.	Visible Holes Y/N.....	Yes				
		Yes				

M. Method of disposal for any USTs removed from the ground (attach disposal manifests)
UST 316Ash was removed from the ground and disposed at a Subtitle "D" landfill. See Attachment "A."

N. Method of disposal for any liquid petroleum, sludges, or wastewaters removed from the USTs (attach disposal manifests)
UST 316Ash had been previously filled with sand by others.

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

VII. PIPING INFORMATION

316Ash				
Steel & Copper				
N/A				
N/A				
Suction				
No				
Yes				
No				
Late 1950s				

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

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

C. Number of Dispensers.....

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

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

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

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

H. Age.....

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

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

VIII. BRIEF SITE DESCRIPTION AND HISTORY

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

IX. SITE CONDITIONS

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

X. SAMPLE INFORMATION

A. SCDHEC Lab Certification Number 84009

B.

Sample #	Location	Sample Type (Soil/Water)	Soil Type (Sand/Clay)	Depth*	Date/Time of Collection	Collected by	OVA #
316Ash	Excav at fill end	Soil	Sandy	4'7"	5/24/11 1600 hrs	P. Shaw	
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

* = Depth Below the Surrounding Land Surface

XI. SAMPLING METHODOLOGY

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

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

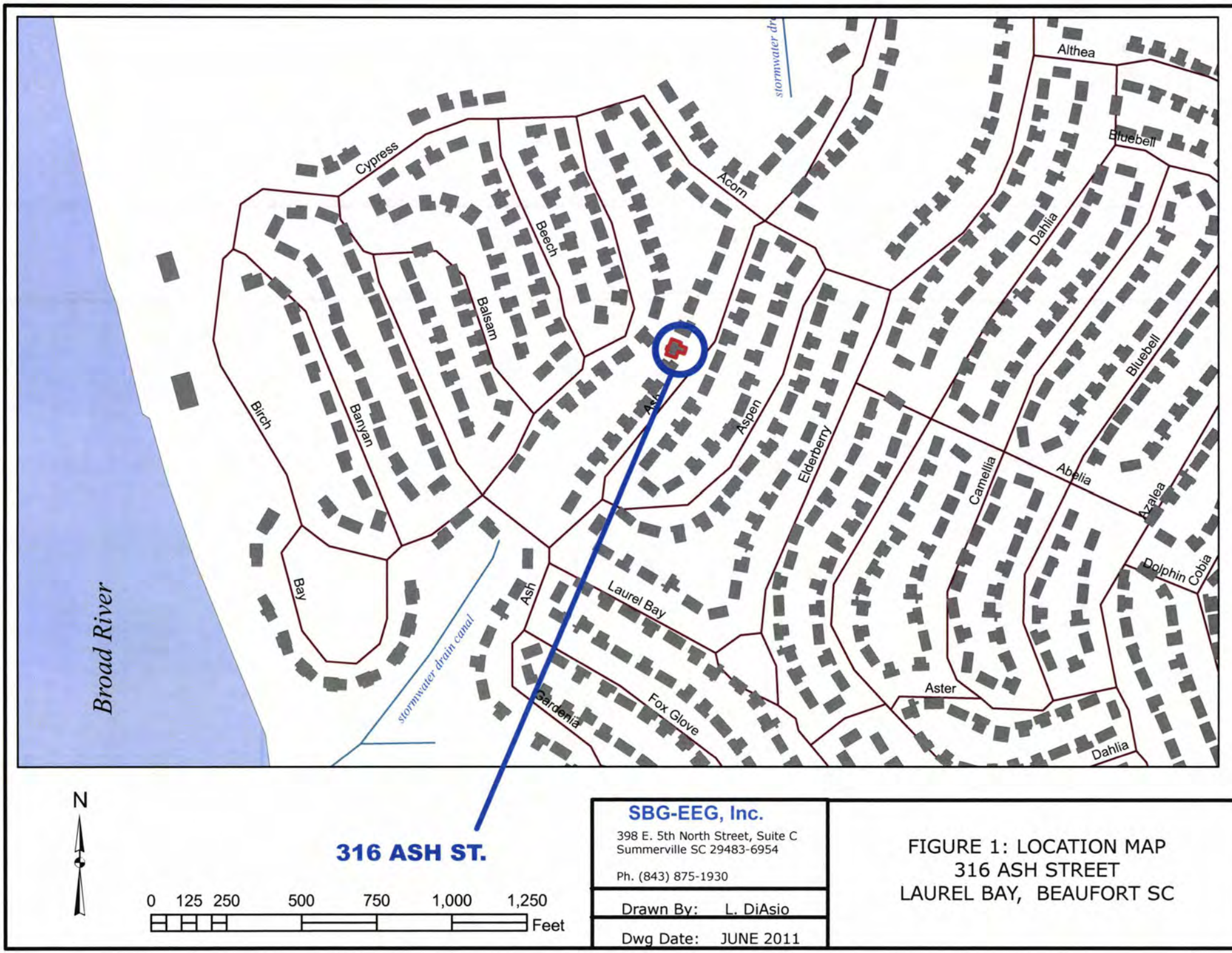
XII. RECEPTORS

	Yes	No
A. Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the UST system? *~815' & 900' to stormwater canals If yes, indicate type of receptor, distance, and direction on site map.	*X	
B. Are there any public, private, or irrigation water supply wells within 1000 feet of the UST system? If yes, indicate type of well, distance, and direction on site map.		X
C. Are there any underground structures (e.g., basements) Located within 100 feet of the UST system? If yes, indicate type of structure, distance, and direction on site map.		X
D. Are there any underground utilities (e.g., telephone, electricity, gas, water, sewer, storm drain) located within 100 feet of the UST system that could potentially come in contact with the contamination? *Sewer, water, electricity, cable & fiber optic If yes, indicate the type of utility, distance, and direction on the site map.	*X	
E. Has contaminated soil been identified at a depth less than 3 feet below land surface in an area that is not capped by asphalt or concrete? If yes, indicate the area of contaminated soil on the site map.		X

XIII. SITE MAP

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

(Attach Site Map Here)

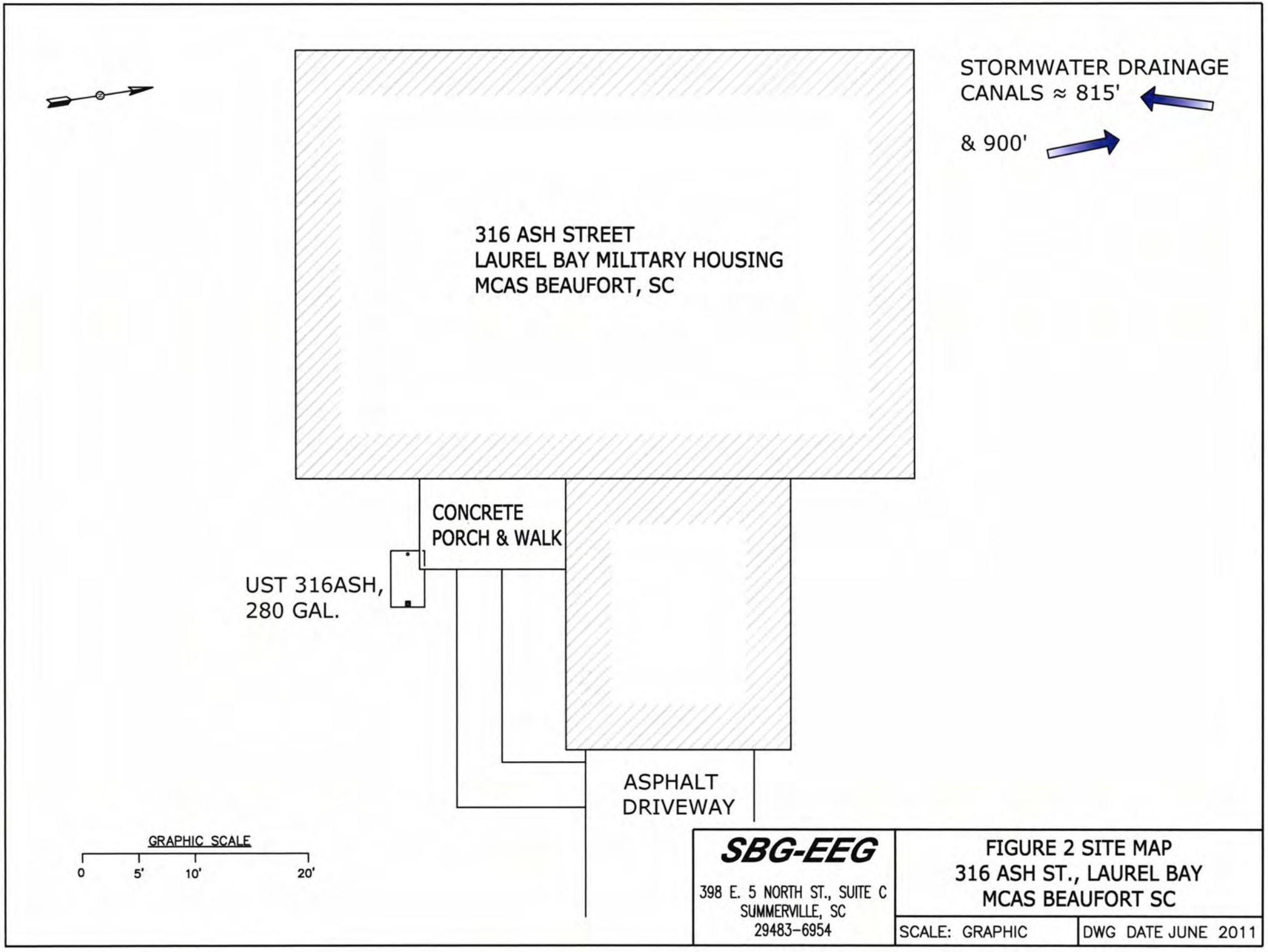


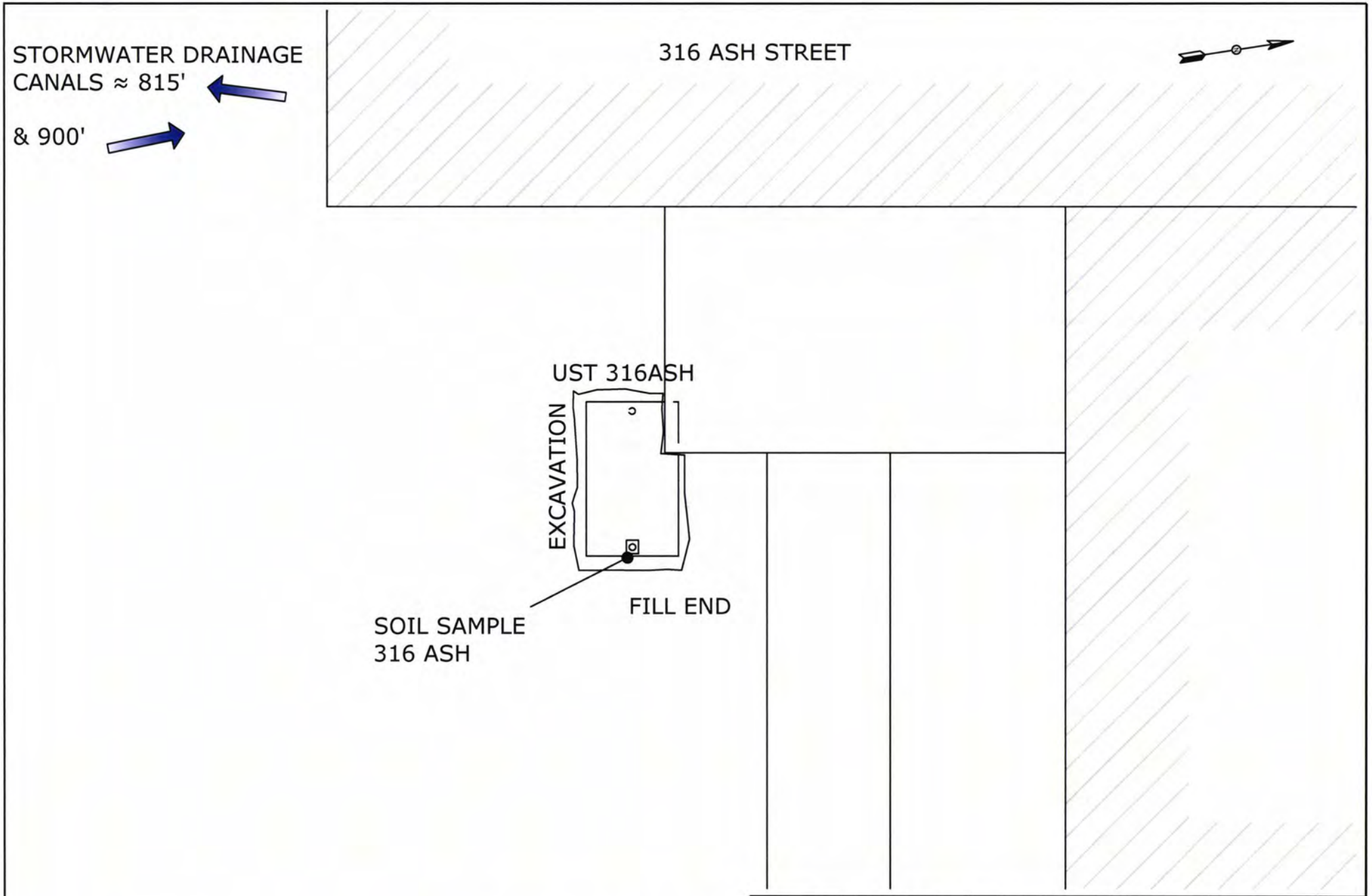
SBG-EEG, Inc.
398 E. 5th North Street, Suite C
Summerville SC 29483-6954
Ph. (843) 875-1930

Drawn By: L. DiAsio

Dwg Date: JUNE 2011

FIGURE 1: LOCATION MAP
316 ASH STREET
LAUREL BAY, BEAUFORT SC


STORMWATER DRAINAGE
CANALS ≈ 815'
& 900'
316 ASH STREET
LAUREL BAY MILITARY HOUSING
MCAS BEAUFORT, SC
CONCRETE
PORCH & WALK
UST 316ASH,
280 GAL.
ASPHALT
DRIVEWAY
GRAPHIC SCALE
0
5'
10'
20'
SBG-EEG
398 E. 5 NORTH ST., SUITE C
SUMMERVILLE, SC
29483-6954
FIGURE 2 SITE MAP
316 ASH ST., LAUREL BAY
MCAS BEAUFORT SC
SCALE: GRAPHIC
DWG DATE JUNE 2011



SBG-EEG

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

FIGURE 3 UST SAMPLE LOCATIONS
316 ASH ST., LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC | DWG DATE JUNE 2011

Picture 1: Location of UST 316Ash.

Picture 2: UST 316Ash tank pit.

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	316Ash						
Benzene	ND						
Toluene	0.00352 mg/kg						
Ethylbenzene	0.0599 mg/kg						
Xylenes	0.0235 mg/kg						
Naphthalene	1.43 mg/kg						
Benzo (a) anthracene	0.0830 mg/kg						
Benzo (b) fluoranthene	ND						
Benzo (k) fluoranthene	ND						
Chrysene	0.120 mg/kg						
Dibenz (a, h) anthracene	ND						
TPH (EPA 3550)							

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

SUMMARY OF ANALYSIS RESULTS (cont'd)

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

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

XV. ANALYTICAL RESULTS

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

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

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

June 14, 2011 4:26:43PM

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

Work Order: NUE4876
Project Name: Laurel Bay Housing Project
Project Nbr: [none]
P/O Nbr: 1027
Date Received: 05/28/11

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
1334 Albatross	NUE4876-01	05/23/11 11:45
306 Ash	NUE4876-02	05/24/11 11:45
316 Ash	NUE4876-03	05/24/11 16:00
320 Ash	NUE4876-04	05/25/11 14:45
319 Ash	NUE4876-05	05/26/11 11:30
331 Ash	NUE4876-06	05/26/11 16:00

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

South Carolina Certification Number: 84009

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

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

Roxanne L. Connor

Roxanne Connor

Program Manager - Conventional Accounts

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

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUE4876
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/28/11 08:45

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NUE4876-01 (1334 Albatross - Soil) Sampled: 05/23/11 11:45										
General Chemistry Parameters										
% Dry Solids	94.3		%	0.500	0.500	1	06/01/11 13:38	SW-846	AMS	11E7556
Volatile Organic Compounds by EPA Method 8260B										
Benzene	ND		mg/kg dry	0.00117	0.00213	1	05/31/11 16:03	SW846 8260B	KKK	11E7260
Ethylbenzene	ND		mg/kg dry	0.00104	0.00213	1	05/31/11 16:03	SW846 8260B	KKK	11E7260
Naphthalene	ND		mg/kg dry	0.00181	0.00533	1	05/31/11 16:03	SW846 8260B	KKK	11E7260
Toluene	ND		mg/kg dry	0.000948	0.00213	1	05/31/11 16:03	SW846 8260B	KKK	11E7260
Xylenes, total	ND		mg/kg dry	0.00202	0.00533	1	05/31/11 16:03	SW846 8260B	KKK	11E7260
Surr: 1,2-Dichloroethane-d4 (67-138%)	*99 %*					*1*	*05/31/11 16:03*	*SW846 8260B*	*KKK*	*11E7260*
Surr: Dibromofluoromethane (75-125%)	*99 %*					*1*	*05/31/11 16:03*	*SW846 8260B*	*KKK*	*11E7260*
Surr: Toluene-d8 (76-129%)	*101 %*					*1*	*05/31/11 16:03*	*SW846 8260B*	*KKK*	*11E7260*
Surr: 4-Bromofluorobenzene (67-147%)	*105 %*					*1*	*05/31/11 16:03*	*SW846 8260B*	*KKK*	*11E7260*
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0149	0.0711	1	06/01/11 15:22	SW846 8270D	JLS	11E7498
Acenaphthylene	ND		mg/kg dry	0.0212	0.0711	1	06/01/11 15:22	SW846 8270D	JLS	11E7498
Anthracene	ND		mg/kg dry	0.00955	0.0711	1	06/01/11 15:22	SW846 8270D	JLS	11E7498
Benzo (a) anthracene	ND		mg/kg dry	0.0117	0.0711	1	06/01/11 15:22	SW846 8270D	JLS	11E7498
Benzo (a) pyrene	ND		mg/kg dry	0.00849	0.0711	1	06/01/11 15:22	SW846 8270D	JLS	11E7498
Benzo (b) fluoranthene	ND		mg/kg dry	0.0403	0.0711	1	06/01/11 15:22	SW846 8270D	JLS	11E7498
Benzo (g,h,i) perylene	ND		mg/kg dry	0.00955	0.0711	1	06/01/11 15:22	SW846 8270D	JLS	11E7498
Benzo (k) fluoranthene	ND		mg/kg dry	0.0392	0.0711	1	06/01/11 15:22	SW846 8270D	JLS	11E7498
Chrysene	ND		mg/kg dry	0.0329	0.0711	1	06/01/11 15:22	SW846 8270D	JLS	11E7498
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0159	0.0711	1	06/01/11 15:22	SW846 8270D	JLS	11E7498
Fluoranthene	ND		mg/kg dry	0.0117	0.0711	1	06/01/11 15:22	SW846 8270D	JLS	11E7498
Fluorene	ND		mg/kg dry	0.0212	0.0711	1	06/01/11 15:22	SW846 8270D	JLS	11E7498
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0329	0.0711	1	06/01/11 15:22	SW846 8270D	JLS	11E7498
Naphthalene	ND		mg/kg dry	0.0149	0.0711	1	06/01/11 15:22	SW846 8270D	JLS	11E7498
Phenanthrene	ND		mg/kg dry	0.0106	0.0711	1	06/01/11 15:22	SW846 8270D	JLS	11E7498
Pyrene	ND		mg/kg dry	0.0244	0.0711	1	06/01/11 15:22	SW846 8270D	JLS	11E7498
1-Methylnaphthalene	ND		mg/kg dry	0.0127	0.0711	1	06/01/11 15:22	SW846 8270D	JLS	11E7498
2-Methylnaphthalene	ND		mg/kg dry	0.0223	0.0711	1	06/01/11 15:22	SW846 8270D	JLS	11E7498
Surr: Terphenyl-d14 (18-120%)	*92 %*					*1*	*06/01/11 15:22*	*SW846 8270D*	*JLS*	*11E7498*
Surr: 2-Fluorobiphenyl (14-120%)	*58 %*					*1*	*06/01/11 15:22*	*SW846 8270D*	*JLS*	*11E7498*
Surr: Nitrobenzene-d5 (17-120%)	*59 %*					*1*	*06/01/11 15:22*	*SW846 8270D*	*JLS*	*11E7498*

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUE4876
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/28/11 08:45

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NUE4876-02 (306 Ash - Soil) Sampled: 05/24/11 11:45										
General Chemistry Parameters										
% Dry Solids	**73.6**		%	0.500	0.500	1	06/01/11 13:38	SW-846	AMS	11E7556
Volatile Organic Compounds by EPA Method 8260B										
Benzene	**0.0281**		mg/kg dry	0.00116	0.00211	1	05/31/11 16:33	SW846 8260B	KKK	11E7260
Ethylbenzene	**1.44**		mg/kg dry	0.0641	0.131	50	06/01/11 13:07	SW846 8260B	KKK	11F0105
Naphthalene	**8.27**		mg/kg dry	0.111	0.327	50	06/01/11 13:07	SW846 8260B	KKK	11F0105
Toluene	ND		mg/kg dry	0.000939	0.00211	1	05/31/11 16:33	SW846 8260B	KKK	11E7260
Xylenes, total	**0.0510**		mg/kg dry	0.00201	0.00528	1	05/31/11 16:33	SW846 8260B	KKK	11E7260
Surr: 1,2-Dichloroethane-d4 (67-138%)	*95 %*					*1*	*05/31/11 16:33*	*SW846 8260B*	*KKK*	*11E7260*
Surr: 1,2-Dichloroethane-d4 (67-138%)	*92 %*					*50*	*06/01/11 13:07*	*SW846 8260B*	*KKK*	*11F0105*
Surr: Dibromofluoromethane (75-125%)	*98 %*					*1*	*05/31/11 16:33*	*SW846 8260B*	*KKK*	*11E7260*
Surr: Dibromofluoromethane (75-125%)	*96 %*					*50*	*06/01/11 13:07*	*SW846 8260B*	*KKK*	*11F0105*
Surr: Toluene-d8 (76-129%)	*190 %*	*ZX*				*1*	*05/31/11 16:33*	*SW846 8260B*	*KKK*	*11E7260*
Surr: Toluene-d8 (76-129%)	*102 %*					*50*	*06/01/11 13:07*	*SW846 8260B*	*KKK*	*11F0105*
Surr: 4-Bromofluorobenzene (67-147%)	*262 %*	*ZX*				*1*	*05/31/11 16:33*	*SW846 8260B*	*KKK*	*11E7260*
Surr: 4-Bromofluorobenzene (67-147%)	*105 %*					*50*	*06/01/11 13:07*	*SW846 8260B*	*KKK*	*11F0105*
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	**0.433**		mg/kg dry	0.0189	0.0907	1	06/01/11 15:44	SW846 8270D	JLS	11E7498
Acenaphthylene	ND		mg/kg dry	0.0271	0.0907	1	06/01/11 15:44	SW846 8270D	JLS	11E7498
Anthracene	**0.335**		mg/kg dry	0.0122	0.0907	1	06/01/11 15:44	SW846 8270D	JLS	11E7498
Benzo (a) anthracene	**0.364**		mg/kg dry	0.0149	0.0907	1	06/01/11 15:44	SW846 8270D	JLS	11E7498
Benzo (a) pyrene	**0.183**		mg/kg dry	0.0108	0.0907	1	06/01/11 15:44	SW846 8270D	JLS	11E7498
Benzo (b) fluoranthene	**0.223**		mg/kg dry	0.0514	0.0907	1	06/01/11 15:44	SW846 8270D	JLS	11E7498
Benzo (g,h,i) perylene	**0.0627**	J	mg/kg dry	0.0122	0.0907	1	06/01/11 15:44	SW846 8270D	JLS	11E7498
Benzo (k) fluoranthene	**0.171**		mg/kg dry	0.0501	0.0907	1	06/01/11 15:44	SW846 8270D	JLS	11E7498
Chrysene	**0.374**		mg/kg dry	0.0420	0.0907	1	06/01/11 15:44	SW846 8270D	JLS	11E7498
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0203	0.0907	1	06/01/11 15:44	SW846 8270D	JLS	11E7498
Fluoranthene	**0.775**		mg/kg dry	0.0149	0.0907	1	06/01/11 15:44	SW846 8270D	JLS	11E7498
Fluorene	**0.869**		mg/kg dry	0.0271	0.0907	1	06/01/11 15:44	SW846 8270D	JLS	11E7498
Indeno (1,2,3-cd) pyrene	**0.0686**	J	mg/kg dry	0.0420	0.0907	1	06/01/11 15:44	SW846 8270D	JLS	11E7498
Naphthalene	**1.84**		mg/kg dry	0.0189	0.0907	1	06/01/11 15:44	SW846 8270D	JLS	11E7498
Phenanthrene	**2.39**		mg/kg dry	0.0135	0.0907	1	06/01/11 15:44	SW846 8270D	JLS	11E7498
Pyrene	**0.729**		mg/kg dry	0.0311	0.0907	1	06/01/11 15:44	SW846 8270D	JLS	11E7498
1-Methylnaphthalene	**7.15**		mg/kg dry	0.162	0.907	10	06/03/11 16:03	SW846 8270D	JLS	11E7498
2-Methylnaphthalene	**11.9**		mg/kg dry	0.284	0.907	10	06/03/11 16:03	SW846 8270D	JLS	11E7498
Surr: Terphenyl-d14 (18-120%)	*95 %*					*1*	*06/01/11 15:44*	*SW846 8270D*	*JLS*	*11E7498*
Surr: 2-Fluorobiphenyl (14-120%)	*70 %*					*1*	*06/01/11 15:44*	*SW846 8270D*	*JLS*	*11E7498*
Surr: Nitrobenzene-d5 (17-120%)	*72 %*					*1*	*06/01/11 15:44*	*SW846 8270D*	*JLS*	*11E7498*

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUE4876
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/28/11 08:45

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NUE4876-03 (316 Ash - Soil) Sampled: 05/24/11 16:00										
General Chemistry Parameters										
% Dry Solids	**82.1**		%	0.500	0.500	1	06/01/11 13:38	SW-846	AMS	11E7556
Volatile Organic Compounds by EPA Method 8260B										
Benzene	ND		mg/kg dry	0.00112	0.00204	1	06/01/11 13:37	SW846 8260B	KKK	11F0105
Ethylbenzene	**0.0599**		mg/kg dry	0.000998	0.00204	1	06/01/11 13:37	SW846 8260B	KKK	11F0105
Naphthalene	**1.43**		mg/kg dry	0.0856	0.252	50	06/01/11 14:06	SW846 8260B	KKK	11F0105
Toluene	**0.00352**		mg/kg dry	0.000907	0.00204	1	06/01/11 13:37	SW846 8260B	KKK	11F0105
Xylenes, total	**0.0235**		mg/kg dry	0.00194	0.00509	1	06/01/11 13:37	SW846 8260B	KKK	11F0105
Surr: 1,2-Dichloroethane-d4 (67-138%)	*94 %*					*1*	*06/01/11 13:37*	*SW846 8260B*	*KKK*	*11F0105*
Surr: 1,2-Dichloroethane-d4 (67-138%)	*89 %*					*50*	*06/01/11 14:06*	*SW846 8260B*	*KKK*	*11F0105*
Surr: Dibromofluoromethane (75-125%)	*102 %*					*1*	*06/01/11 13:37*	*SW846 8260B*	*KKK*	*11F0105*
Surr: Dibromofluoromethane (75-125%)	*93 %*					*50*	*06/01/11 14:06*	*SW846 8260B*	*KKK*	*11F0105*
Surr: Toluene-d8 (76-129%)	*200 %*	*ZX*				*1*	*06/01/11 13:37*	*SW846 8260B*	*KKK*	*11F0105*
Surr: Toluene-d8 (76-129%)	*100 %*					*50*	*06/01/11 14:06*	*SW846 8260B*	*KKK*	*11F0105*
Surr: 4-Bromofluorobenzene (67-147%)	*293 %*	*ZX*				*1*	*06/01/11 13:37*	*SW846 8260B*	*KKK*	*11F0105*
Surr: 4-Bromofluorobenzene (67-147%)	*103 %*					*50*	*06/01/11 14:06*	*SW846 8260B*	*KKK*	*11F0105*
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0169	0.0810	1	06/01/11 16:06	SW846 8270D	JLS	11E7498
Acenaphthylene	ND		mg/kg dry	0.0242	0.0810	1	06/01/11 16:06	SW846 8270D	JLS	11E7498
Anthracene	**0.426**		mg/kg dry	0.0109	0.0810	1	06/01/11 16:06	SW846 8270D	JLS	11E7498
Benzo (a) anthracene	**0.0830**		mg/kg dry	0.0133	0.0810	1	06/01/11 16:06	SW846 8270D	JLS	11E7498
Benzo (a) pyrene	ND		mg/kg dry	0.00967	0.0810	1	06/01/11 16:06	SW846 8270D	JLS	11E7498
Benzo (b) fluoranthene	ND		mg/kg dry	0.0460	0.0810	1	06/01/11 16:06	SW846 8270D	JLS	11E7498
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0109	0.0810	1	06/01/11 16:06	SW846 8270D	JLS	11E7498
Benzo (k) fluoranthene	ND		mg/kg dry	0.0447	0.0810	1	06/01/11 16:06	SW846 8270D	JLS	11E7498
Chrysene	**0.120**		mg/kg dry	0.0375	0.0810	1	06/01/11 16:06	SW846 8270D	JLS	11E7498
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0181	0.0810	1	06/01/11 16:06	SW846 8270D	JLS	11E7498
Fluoranthene	**0.321**		mg/kg dry	0.0133	0.0810	1	06/01/11 16:06	SW846 8270D	JLS	11E7498
Fluorene	**2.32**		mg/kg dry	0.0242	0.0810	1	06/01/11 16:06	SW846 8270D	JLS	11E7498
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0375	0.0810	1	06/01/11 16:06	SW846 8270D	JLS	11E7498
Naphthalene	**2.99**		mg/kg dry	0.0169	0.0810	1	06/01/11 16:06	SW846 8270D	JLS	11E7498
Phenanthrene	**10.4**		mg/kg dry	0.121	0.810	10	06/03/11 16:25	SW846 8270D	JLS	11E7498
Pyrene	**0.616**		mg/kg dry	0.0278	0.0810	1	06/01/11 16:06	SW846 8270D	JLS	11E7498
1-Methylnaphthalene	**19.8**		mg/kg dry	0.145	0.810	10	06/03/11 16:25	SW846 8270D	JLS	11E7498
2-Methylnaphthalene	**29.2**		mg/kg dry	0.254	0.810	10	06/03/11 16:25	SW846 8270D	JLS	11E7498
Surr: Terphenyl-d14 (18-120%)	*80 %*					*1*	*06/01/11 16:06*	*SW846 8270D*	*JLS*	*11E7498*
Surr: 2-Fluorobiphenyl (14-120%)	*55 %*					*1*	*06/01/11 16:06*	*SW846 8270D*	*JLS*	*11E7498*
Surr: Nitrobenzene-d5 (17-120%)	*63 %*					*1*	*06/01/11 16:06*	*SW846 8270D*	*JLS*	*11E7498*

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUE4876
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/28/11 08:45

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NUE4876-04 (320 Ash - Soil) Sampled: 05/25/11 14:45										
General Chemistry Parameters										
% Dry Solids	**79.6**		%	0.500	0.500	1	06/01/11 13:38	SW-846	AMS	11E7556
Volatile Organic Compounds by EPA Method 8260B										
Benzene	**0.0169**		mg/kg dry	0.00119	0.00217	1	05/31/11 17:32	SW846 8260B	KKK	11E7260
Ethylbenzene	**0.479**		mg/kg dry	0.0543	0.111	50	06/01/11 15:35	SW846 8260B	KKK	11F0105
Naphthalene	**3.11**		mg/kg dry	0.0942	0.277	50	06/01/11 15:35	SW846 8260B	KKK	11F0105
Toluene	**0.112**		mg/kg dry	0.000966	0.00217	1	05/31/11 17:32	SW846 8260B	KKK	11E7260
Xylenes, total	**0.867**		mg/kg dry	0.105	0.277	50	06/01/11 15:35	SW846 8260B	KKK	11F0105
Surr: 1,2-Dichloroethane-d4 (67-138%)	*94 %*					*1*	*05/31/11 17:32*	*SW846 8260B*	*KKK*	*11E7260*
Surr: 1,2-Dichloroethane-d4 (67-138%)	*89 %*					*50*	*06/01/11 15:35*	*SW846 8260B*	*KKK*	*11F0105*
Surr: Dibromofluoromethane (75-125%)	*98 %*					*1*	*05/31/11 17:32*	*SW846 8260B*	*KKK*	*11E7260*
Surr: Dibromofluoromethane (75-125%)	*94 %*					*50*	*06/01/11 15:35*	*SW846 8260B*	*KKK*	*11F0105*
Surr: Toluene-d8 (76-129%)	*166 %*	*ZX*				*1*	*05/31/11 17:32*	*SW846 8260B*	*KKK*	*11E7260*
Surr: Toluene-d8 (76-129%)	*102 %*					*50*	*06/01/11 15:35*	*SW846 8260B*	*KKK*	*11F0105*
Surr: 4-Bromofluorobenzene (67-147%)	*262 %*	*ZX*				*1*	*05/31/11 17:32*	*SW846 8260B*	*KKK*	*11E7260*
Surr: 4-Bromofluorobenzene (67-147%)	*100 %*					*50*	*06/01/11 15:35*	*SW846 8260B*	*KKK*	*11F0105*
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	**0.676**		mg/kg dry	0.0175	0.0838	1	06/01/11 16:28	SW846 8270D	JLS	11E7498
Acenaphthylene	ND		mg/kg dry	0.0250	0.0838	1	06/01/11 16:28	SW846 8270D	JLS	11E7498
Anthracene	**0.451**		mg/kg dry	0.0113	0.0838	1	06/01/11 16:28	SW846 8270D	JLS	11E7498
Benzo (a) anthracene	**0.515**		mg/kg dry	0.0138	0.0838	1	06/01/11 16:28	SW846 8270D	JLS	11E7498
Benzo (a) pyrene	**0.223**		mg/kg dry	0.0100	0.0838	1	06/01/11 16:28	SW846 8270D	JLS	11E7498
Benzo (b) fluoranthene	**0.288**		mg/kg dry	0.0475	0.0838	1	06/01/11 16:28	SW846 8270D	JLS	11E7498
Benzo (g,h,i) perylene	**0.0775**	J	mg/kg dry	0.0113	0.0838	1	06/01/11 16:28	SW846 8270D	JLS	11E7498
Benzo (k) fluoranthene	**0.208**		mg/kg dry	0.0463	0.0838	1	06/01/11 16:28	SW846 8270D	JLS	11E7498
Chrysene	**0.573**		mg/kg dry	0.0388	0.0838	1	06/01/11 16:28	SW846 8270D	JLS	11E7498
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0188	0.0838	1	06/01/11 16:28	SW846 8270D	JLS	11E7498
Fluoranthene	**1.17**		mg/kg dry	0.0138	0.0838	1	06/01/11 16:28	SW846 8270D	JLS	11E7498
Fluorene	**1.52**		mg/kg dry	0.0250	0.0838	1	06/01/11 16:28	SW846 8270D	JLS	11E7498
Indeno (1,2,3-cd) pyrene	**0.0775**	J	mg/kg dry	0.0388	0.0838	1	06/01/11 16:28	SW846 8270D	JLS	11E7498
Naphthalene	**3.14**		mg/kg dry	0.0175	0.0838	1	06/01/11 16:28	SW846 8270D	JLS	11E7498
Phenanthrene	**3.80**		mg/kg dry	0.0125	0.0838	1	06/01/11 16:28	SW846 8270D	JLS	11E7498
Pyrene	**1.20**		mg/kg dry	0.0288	0.0838	1	06/01/11 16:28	SW846 8270D	JLS	11E7498
1-Methylnaphthalene	**10.4**		mg/kg dry	0.150	0.838	10	06/03/11 16:47	SW846 8270D	JLS	11E7498
2-Methylnaphthalene	**17.9**		mg/kg dry	0.263	0.838	10	06/03/11 16:47	SW846 8270D	JLS	11E7498
Surr: Terphenyl-d14 (18-120%)	*93 %*					*1*	*06/01/11 16:28*	*SW846 8270D*	*JLS*	*11E7498*
Surr: 2-Fluorobiphenyl (14-120%)	*63 %*					*1*	*06/01/11 16:28*	*SW846 8270D*	*JLS*	*11E7498*
Surr: Nitrobenzene-d5 (17-120%)	*66 %*					*1*	*06/01/11 16:28*	*SW846 8270D*	*JLS*	*11E7498*

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUE4876
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/28/11 08:45

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NUE4876-05 (319 Ash - Soil) Sampled: 05/26/11 11:30										
General Chemistry Parameters										
% Dry Solids	**85.2**		%	0.500	0.500	1	06/01/11 13:38	SW-846	AMS	11E7556
Volatile Organic Compounds by EPA Method 8260B										
Benzene	ND		mg/kg dry	0.00112	0.00204	1	05/31/11 18:02	SW846 8260B	KKK	11E7260
Ethylbenzene	**1.27**		mg/kg dry	0.0484	0.0988	50	06/01/11 16:05	SW846 8260B	KKK	11F0105
Naphthalene	**27.9**	E	mg/kg dry	0.168	0.494	100	06/09/11 13:31	SW846 8260B	KKK	11F0581
Toluene	ND	RL1	mg/kg dry	0.0439	0.0988	50	06/01/11 16:05	SW846 8260B	KKK	11F0105
Xylenes, total	**1.64**		mg/kg dry	0.0938	0.247	50	06/01/11 16:05	SW846 8260B	KKK	11F0105
Surr: 1,2-Dichloroethane-d4 (67-138%)	*95 %*					*1*	*05/31/11 18:02*	*SW846 8260B*	*KKK*	*11E7260*
Surr: 1,2-Dichloroethane-d4 (67-138%)	*90 %*					*50*	*06/01/11 16:05*	*SW846 8260B*	*KKK*	*11F0105*
Surr: 1,2-Dichloroethane-d4 (67-138%)	*100 %*					*100*	*06/09/11 13:31*	*SW846 8260B*	*KKK*	*11F0581*
Surr: Dibromofluoromethane (75-125%)	*102 %*					*1*	*05/31/11 18:02*	*SW846 8260B*	*KKK*	*11E7260*
Surr: Dibromofluoromethane (75-125%)	*83 %*					*50*	*06/01/11 16:05*	*SW846 8260B*	*KKK*	*11F0105*
Surr: Dibromofluoromethane (75-125%)	*98 %*					*100*	*06/09/11 13:31*	*SW846 8260B*	*KKK*	*11F0581*
Surr: Toluene-d8 (76-129%)	*155 %*	*ZX*				*1*	*05/31/11 18:02*	*SW846 8260B*	*KKK*	*11E7260*
Surr: Toluene-d8 (76-129%)	*106 %*					*50*	*06/01/11 16:05*	*SW846 8260B*	*KKK*	*11F0105*
Surr: Toluene-d8 (76-129%)	*100 %*					*100*	*06/09/11 13:31*	*SW846 8260B*	*KKK*	*11F0581*
Surr: 4-Bromofluorobenzene (67-147%)	*320 %*	*ZX*				*1*	*05/31/11 18:02*	*SW846 8260B*	*KKK*	*11E7260*
Surr: 4-Bromofluorobenzene (67-147%)	*104 %*					*50*	*06/01/11 16:05*	*SW846 8260B*	*KKK*	*11F0105*
Surr: 4-Bromofluorobenzene (67-147%)	*95 %*					*100*	*06/09/11 13:31*	*SW846 8260B*	*KKK*	*11F0581*
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	**1.36**		mg/kg dry	0.0162	0.0777	1	06/01/11 16:50	SW846 8270D	JLS	11E7498
Acenaphthylene	ND		mg/kg dry	0.0232	0.0777	1	06/01/11 16:50	SW846 8270D	JLS	11E7498
Anthracene	**0.572**		mg/kg dry	0.0104	0.0777	1	06/01/11 16:50	SW846 8270D	JLS	11E7498
Benzo (a) anthracene	**0.333**		mg/kg dry	0.0128	0.0777	1	06/01/11 16:50	SW846 8270D	JLS	11E7498
Benzo (a) pyrene	**0.141**		mg/kg dry	0.00927	0.0777	1	06/01/11 16:50	SW846 8270D	JLS	11E7498
Benzo (b) fluoranthene	**0.168**		mg/kg dry	0.0441	0.0777	1	06/01/11 16:50	SW846 8270D	JLS	11E7498
Benzo (g,h,i) perylene	**0.0518**	J	mg/kg dry	0.0104	0.0777	1	06/01/11 16:50	SW846 8270D	JLS	11E7498
Benzo (k) fluoranthene	**0.155**		mg/kg dry	0.0429	0.0777	1	06/01/11 16:50	SW846 8270D	JLS	11E7498
Chrysene	**0.308**		mg/kg dry	0.0359	0.0777	1	06/01/11 16:50	SW846 8270D	JLS	11E7498
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0174	0.0777	1	06/01/11 16:50	SW846 8270D	JLS	11E7498
Fluoranthene	**1.23**		mg/kg dry	0.0128	0.0777	1	06/01/11 16:50	SW846 8270D	JLS	11E7498
Fluorene	**3.23**		mg/kg dry	0.0232	0.0777	1	06/01/11 16:50	SW846 8270D	JLS	11E7498
Indeno (1,2,3-cd) pyrene	**0.0526**	J	mg/kg dry	0.0359	0.0777	1	06/01/11 16:50	SW846 8270D	JLS	11E7498
Naphthalene	**12.2**		mg/kg dry	0.162	0.777	10	06/03/11 17:09	SW846 8270D	JLS	11E7498
Phenanthrene	**10.0**		mg/kg dry	0.116	0.777	10	06/03/11 17:09	SW846 8270D	JLS	11E7498
Pyrene	**1.30**		mg/kg dry	0.0267	0.0777	1	06/01/11 16:50	SW846 8270D	JLS	11E7498
1-Methylnaphthalene	**26.4**		mg/kg dry	0.139	0.777	10	06/03/11 17:09	SW846 8270D	JLS	11E7498
2-Methylnaphthalene	**34.8**		mg/kg dry	0.487	1.55	20	06/04/11 20:55	SW846 8270D	JLS	11E7498
Surr: Terphenyl-d14 (18-120%)	*89 %*					*1*	*06/01/11 16:50*	*SW846 8270D*	*JLS*	*11E7498*

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUE4876
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/28/11 08:45

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NUE4876-05 (319 Ash - Soil) - cont. Sampled: 05/26/11 11:30										
Polyaromatic Hydrocarbons by EPA 8270D - cont.										
Surr: 2-Fluorobiphenyl (14-120%)	*61 %*					*1*	*06/01/11 16:50*	*SW846 8270D*	*JLS*	*11E7498*
Surr: Nitrobenzene-d5 (17-120%)	*68 %*					*1*	*06/01/11 16:50*	*SW846 8270D*	*JLS*	*11E7498*
Sample ID: NUE4876-06 (331 Ash - Soil) Sampled: 05/26/11 16:00										
General Chemistry Parameters										
% Dry Solids	**78.4**		%	0.500	0.500	1	06/01/11 13:38	SW-846	AMS	11E7556
Volatile Organic Compounds by EPA Method 8260B										
Benzene	ND		mg/kg dry	0.00111	0.00203	1	06/01/11 14:36	SW846 8260B	KKK	11F0105
Ethylbenzene	ND	RL1	mg/kg dry	0.0515	0.105	50	06/01/11 15:06	SW846 8260B	KKK	11F0105
Naphthalene	**0.306**		mg/kg dry	0.0893	0.263	50	06/01/11 15:06	SW846 8260B	KKK	11F0105
Toluene	ND	RL1	mg/kg dry	0.0468	0.105	50	06/01/11 15:06	SW846 8260B	KKK	11F0105
Xylenes, total	ND	RL1	mg/kg dry	0.0998	0.263	50	06/01/11 15:06	SW846 8260B	KKK	11F0105
Surr: 1,2-Dichloroethane-d4 (67-138%)	*97 %*					*1*	*06/01/11 14:36*	*SW846 8260B*	*KKK*	*11F0105*
Surr: 1,2-Dichloroethane-d4 (67-138%)	*87 %*					*50*	*06/01/11 15:06*	*SW846 8260B*	*KKK*	*11F0105*
Surr: Dibromofluoromethane (75-125%)	*105 %*					*1*	*06/01/11 14:36*	*SW846 8260B*	*KKK*	*11F0105*
Surr: Dibromofluoromethane (75-125%)	*94 %*					*50*	*06/01/11 15:06*	*SW846 8260B*	*KKK*	*11F0105*
Surr: Toluene-d8 (76-129%)	*141 %*	*ZX*				*1*	*06/01/11 14:36*	*SW846 8260B*	*KKK*	*11F0105*
Surr: Toluene-d8 (76-129%)	*101 %*					*50*	*06/01/11 15:06*	*SW846 8260B*	*KKK*	*11F0105*
Surr: 4-Bromofluorobenzene (67-147%)	*273 %*	*ZX*				*1*	*06/01/11 14:36*	*SW846 8260B*	*KKK*	*11F0105*
Surr: 4-Bromofluorobenzene (67-147%)	*102 %*					*50*	*06/01/11 15:06*	*SW846 8260B*	*KKK*	*11F0105*
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	**1.00**		mg/kg dry	0.0176	0.0843	1	06/01/11 17:12	SW846 8270D	JLS	11E7498
Acenaphthylene	ND		mg/kg dry	0.0252	0.0843	1	06/01/11 17:12	SW846 8270D	JLS	11E7498
Anthracene	**0.446**		mg/kg dry	0.0113	0.0843	1	06/01/11 17:12	SW846 8270D	JLS	11E7498
Benzo (a) anthracene	**0.328**		mg/kg dry	0.0138	0.0843	1	06/01/11 17:12	SW846 8270D	JLS	11E7498
Benzo (a) pyrene	**0.166**		mg/kg dry	0.0101	0.0843	1	06/01/11 17:12	SW846 8270D	JLS	11E7498
Benzo (b) fluoranthene	**0.209**		mg/kg dry	0.0478	0.0843	1	06/01/11 17:12	SW846 8270D	JLS	11E7498
Benzo (g,h,i) perylene	**0.0600**	J	mg/kg dry	0.0113	0.0843	1	06/01/11 17:12	SW846 8270D	JLS	11E7498
Benzo (k) fluoranthene	**0.169**		mg/kg dry	0.0466	0.0843	1	06/01/11 17:12	SW846 8270D	JLS	11E7498
Chrysene	**0.346**		mg/kg dry	0.0390	0.0843	1	06/01/11 17:12	SW846 8270D	JLS	11E7498
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0189	0.0843	1	06/01/11 17:12	SW846 8270D	JLS	11E7498
Fluoranthene	**0.699**		mg/kg dry	0.0138	0.0843	1	06/01/11 17:12	SW846 8270D	JLS	11E7498
Fluorene	**2.45**		mg/kg dry	0.0252	0.0843	1	06/01/11 17:12	SW846 8270D	JLS	11E7498
Indeno (1,2,3-cd) pyrene	**0.0583**	J	mg/kg dry	0.0390	0.0843	1	06/01/11 17:12	SW846 8270D	JLS	11E7498
Naphthalene	ND		mg/kg dry	0.0176	0.0843	1	06/01/11 17:12	SW846 8270D	JLS	11E7498
Phenanthrene	**7.95**		mg/kg dry	0.0629	0.422	5	06/03/11 17:31	SW846 8270D	JLS	11E7498
Pyrene	**1.04**		mg/kg dry	0.0289	0.0843	1	06/01/11 17:12	SW846 8270D	JLS	11E7498
1-Methylnaphthalene	**7.89**		mg/kg dry	0.0755	0.422	5	06/03/11 17:31	SW846 8270D	JLS	11E7498
2-Methylnaphthalene	**13.8**		mg/kg dry	0.132	0.422	5	06/03/11 17:31	SW846 8270D	JLS	11E7498

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

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUE4876
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/28/11 08:45

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NUE4876-06 (331 Ash - Soil) - cont. Sampled: 05/26/11 16:00										
Polyaromatic Hydrocarbons by EPA 8270D - cont.										
Surr: Terphenyl-d14 (18-120%)	*96 %*					*1*	*06/01/11 17:12*	*SW846 8270D*	*JLS*	*11E7498*
Surr: 2-Fluorobiphenyl (14-120%)	*61 %*					*1*	*06/01/11 17:12*	*SW846 8270D*	*JLS*	*11E7498*
Surr: Nitrobenzene-d5 (17-120%)	*61 %*					*1*	*06/01/11 17:12*	*SW846 8270D*	*JLS*	*11E7498*

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUE4876
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/28/11 08:45

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extract Vol	Date	Analyst	Extraction Method
Polyaromatic Hydrocarbons by EPA 8270D							
SW846 8270D	11E7498	NUE4876-01	30.00	1.00	06/01/11 06:55	JJR	EPA 3550C
SW846 8270D	11E7498	NUE4876-02	30.14	1.00	06/01/11 06:55	JJR	EPA 3550C
SW846 8270D	11E7498	NUE4876-02RE1	30.14	1.00	06/01/11 06:55	JJR	EPA 3550C
SW846 8270D	11E7498	NUE4876-03	30.23	1.00	06/01/11 06:55	JJR	EPA 3550C
SW846 8270D	11E7498	NUE4876-03RE1	30.23	1.00	06/01/11 06:55	JJR	EPA 3550C
SW846 8270D	11E7498	NUE4876-04	30.16	1.00	06/01/11 06:55	JJR	EPA 3550C
SW846 8270D	11E7498	NUE4876-04RE1	30.16	1.00	06/01/11 06:55	JJR	EPA 3550C
SW846 8270D	11E7498	NUE4876-05	30.36	1.00	06/01/11 06:55	JJR	EPA 3550C
SW846 8270D	11E7498	NUE4876-05RE1	30.36	1.00	06/01/11 06:55	JJR	EPA 3550C
SW846 8270D	11E7498	NUE4876-05RE2	30.36	1.00	06/01/11 06:55	JJR	EPA 3550C
SW846 8270D	11E7498	NUE4876-06	30.42	1.00	06/01/11 06:55	JJR	EPA 3550C
SW846 8270D	11E7498	NUE4876-06RE1	30.42	1.00	06/01/11 06:55	JJR	EPA 3550C
Volatile Organic Compounds by EPA Method 8260B							
SW846 8260B	11E7260	NUE4876-01	4.98	5.00	05/23/11 11:45	AAN	EPA 5035
SW846 8260B	11E7260	NUE4876-02	6.44	5.00	05/24/11 11:45	AAN	EPA 5035
SW846 8260B	11F0105	NUE4876-02RE1	5.20	5.00	05/24/11 11:45	AAN	EPA 5035
SW846 8260B	11E7260	NUE4876-03	5.94	5.00	05/24/11 16:00	AAN	EPA 5035
SW846 8260B	11F0105	NUE4876-03RE1	5.98	5.00	05/24/11 16:00	AAN	EPA 5035
SW846 8260B	11F0105	NUE4876-03RE2	6.05	5.00	05/24/11 16:00	AAN	EPA 5035
SW846 8260B	11E7260	NUE4876-04	5.79	5.00	05/25/11 14:45	AAN	EPA 5035
SW846 8260B	11F0105	NUE4876-04RE1	5.67	5.00	05/25/11 14:45	AAN	EPA 5035
SW846 8260B	11E7260	NUE4876-05	5.74	5.00	05/26/11 11:30	AAN	EPA 5035
SW846 8260B	11F0105	NUE4876-05RE1	5.94	5.00	05/26/11 11:30	AAN	EPA 5035
SW846 8260B	11F0581	NUE4876-05RE2	5.94	5.00	05/26/11 11:30	AAN	EPA 5035
SW846 8260B	11E7260	NUE4876-06	6.26	5.00	05/26/11 16:00	AAN	EPA 5035
SW846 8260B	11F0105	NUE4876-06RE1	6.30	5.00	05/26/11 16:00	AAN	EPA 5035
SW846 8260B	11F0105	NUE4876-06RE2	6.07	5.00	05/26/11 16:00	AAN	EPA 5035

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUE4876
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/28/11 08:45

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						
11E7260-BLK1						
Benzene	<0.00110		mg/kg wet	11E7260	11E7260-BLK1	05/31/11 12:34
Ethylbenzene	<0.000980		mg/kg wet	11E7260	11E7260-BLK1	05/31/11 12:34
Naphthalene	<0.00170		mg/kg wet	11E7260	11E7260-BLK1	05/31/11 12:34
Toluene	<0.000890		mg/kg wet	11E7260	11E7260-BLK1	05/31/11 12:34
Xylenes, total	<0.00190		mg/kg wet	11E7260	11E7260-BLK1	05/31/11 12:34
Surrogate: 1,2-Dichloroethane-d4	99%			11E7260	11E7260-BLK1	05/31/11 12:34
Surrogate: Dibromofluoromethane	99%			11E7260	11E7260-BLK1	05/31/11 12:34
Surrogate: Toluene-d8	99%			11E7260	11E7260-BLK1	05/31/11 12:34
Surrogate: 4-Bromofluorobenzene	102%			11E7260	11E7260-BLK1	05/31/11 12:34
11F0105-BLK1						
Benzene	<0.00110		mg/kg wet	11F0105	11F0105-BLK1	06/01/11 12:05
Ethylbenzene	<0.000980		mg/kg wet	11F0105	11F0105-BLK1	06/01/11 12:05
Naphthalene	<0.00170		mg/kg wet	11F0105	11F0105-BLK1	06/01/11 12:05
Toluene	<0.000890		mg/kg wet	11F0105	11F0105-BLK1	06/01/11 12:05
Xylenes, total	<0.00190		mg/kg wet	11F0105	11F0105-BLK1	06/01/11 12:05
Surrogate: 1,2-Dichloroethane-d4	96%			11F0105	11F0105-BLK1	06/01/11 12:05
Surrogate: Dibromofluoromethane	94%			11F0105	11F0105-BLK1	06/01/11 12:05
Surrogate: Toluene-d8	98%			11F0105	11F0105-BLK1	06/01/11 12:05
Surrogate: 4-Bromofluorobenzene	104%			11F0105	11F0105-BLK1	06/01/11 12:05
11F0105-BLK2						
Benzene	<0.0550		mg/kg wet	11F0105	11F0105-BLK2	06/01/11 12:35
Ethylbenzene	<0.0490		mg/kg wet	11F0105	11F0105-BLK2	06/01/11 12:35
Naphthalene	<0.0850		mg/kg wet	11F0105	11F0105-BLK2	06/01/11 12:35
Toluene	<0.0445		mg/kg wet	11F0105	11F0105-BLK2	06/01/11 12:35
Xylenes, total	<0.0950		mg/kg wet	11F0105	11F0105-BLK2	06/01/11 12:35
Surrogate: 1,2-Dichloroethane-d4	97%			11F0105	11F0105-BLK2	06/01/11 12:35
Surrogate: Dibromofluoromethane	96%			11F0105	11F0105-BLK2	06/01/11 12:35
Surrogate: Toluene-d8	101%			11F0105	11F0105-BLK2	06/01/11 12:35
Surrogate: 4-Bromofluorobenzene	106%			11F0105	11F0105-BLK2	06/01/11 12:35
11F0581-BLK1						
Benzene	<0.00110		mg/kg wet	11F0581	11F0581-BLK1	06/09/11 12:32
Ethylbenzene	<0.000980		mg/kg wet	11F0581	11F0581-BLK1	06/09/11 12:32
Naphthalene	<0.00170		mg/kg wet	11F0581	11F0581-BLK1	06/09/11 12:32
Toluene	<0.000890		mg/kg wet	11F0581	11F0581-BLK1	06/09/11 12:32
Xylenes, total	<0.00190		mg/kg wet	11F0581	11F0581-BLK1	06/09/11 12:32
Surrogate: 1,2-Dichloroethane-d4	106%			11F0581	11F0581-BLK1	06/09/11 12:32
Surrogate: Dibromofluoromethane	101%			11F0581	11F0581-BLK1	06/09/11 12:32
Surrogate: Toluene-d8	100%			11F0581	11F0581-BLK1	06/09/11 12:32
Surrogate: 4-Bromofluorobenzene	102%			11F0581	11F0581-BLK1	06/09/11 12:32

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUE4876
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/28/11 08:45

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						
11F0581-BLK2						
Benzene	<0.0550		mg/kg wet	11F0581	11F0581-BLK2	06/09/11 13:02
Ethylbenzene	<0.0490		mg/kg wet	11F0581	11F0581-BLK2	06/09/11 13:02
Naphthalene	<0.0850		mg/kg wet	11F0581	11F0581-BLK2	06/09/11 13:02
Toluene	<0.0445		mg/kg wet	11F0581	11F0581-BLK2	06/09/11 13:02
Xylenes, total	<0.0950		mg/kg wet	11F0581	11F0581-BLK2	06/09/11 13:02
Surrogate: 1,2-Dichloroethane-d4	105%			11F0581	11F0581-BLK2	06/09/11 13:02
Surrogate: Dibromofluoromethane	101%			11F0581	11F0581-BLK2	06/09/11 13:02
Surrogate: Toluene-d8	100%			11F0581	11F0581-BLK2	06/09/11 13:02
Surrogate: 4-Bromofluorobenzene	104%			11F0581	11F0581-BLK2	06/09/11 13:02
Polyaromatic Hydrocarbons by EPA 8270D						
11E7498-BLK1						
Acenaphthene	<0.0140		mg/kg wet	11E7498	11E7498-BLK1	06/01/11 13:33
Acenaphthylene	<0.0200		mg/kg wet	11E7498	11E7498-BLK1	06/01/11 13:33
Anthracene	<0.00900		mg/kg wet	11E7498	11E7498-BLK1	06/01/11 13:33
Benzo (a) anthracene	<0.0110		mg/kg wet	11E7498	11E7498-BLK1	06/01/11 13:33
Benzo (a) pyrene	<0.00800		mg/kg wet	11E7498	11E7498-BLK1	06/01/11 13:33
Benzo (b) fluoranthene	<0.0380		mg/kg wet	11E7498	11E7498-BLK1	06/01/11 13:33
Benzo (g,h,i) perylene	<0.00900		mg/kg wet	11E7498	11E7498-BLK1	06/01/11 13:33
Benzo (k) fluoranthene	<0.0370		mg/kg wet	11E7498	11E7498-BLK1	06/01/11 13:33
Chrysene	<0.0310		mg/kg wet	11E7498	11E7498-BLK1	06/01/11 13:33
Dibenz (a,h) anthracene	<0.0150		mg/kg wet	11E7498	11E7498-BLK1	06/01/11 13:33
Fluoranthene	<0.0110		mg/kg wet	11E7498	11E7498-BLK1	06/01/11 13:33
Fluorene	<0.0200		mg/kg wet	11E7498	11E7498-BLK1	06/01/11 13:33
Indeno (1,2,3-cd) pyrene	<0.0310		mg/kg wet	11E7498	11E7498-BLK1	06/01/11 13:33
Naphthalene	<0.0140		mg/kg wet	11E7498	11E7498-BLK1	06/01/11 13:33
Phenanthrene	<0.0100		mg/kg wet	11E7498	11E7498-BLK1	06/01/11 13:33
Pyrene	<0.0230		mg/kg wet	11E7498	11E7498-BLK1	06/01/11 13:33
1-Methylnaphthalene	<0.0120		mg/kg wet	11E7498	11E7498-BLK1	06/01/11 13:33
2-Methylnaphthalene	<0.0210		mg/kg wet	11E7498	11E7498-BLK1	06/01/11 13:33
Surrogate: Terphenyl-d14	95%			11E7498	11E7498-BLK1	06/01/11 13:33
Surrogate: 2-Fluorobiphenyl	67%			11E7498	11E7498-BLK1	06/01/11 13:33
Surrogate: Nitrobenzene-d5	69%			11E7498	11E7498-BLK1	06/01/11 13:33

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUE4876
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/28/11 08:45

PROJECT QUALITY CONTROL DATA

Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	% Rec.	Analyzed Date/Time
General Chemistry Parameters										
11E7556-DUP1										
% Dry Solids	81.0	80.8		%	0.2	20	11E7556	NUE4699-10		06/01/11 13:38

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUE4876
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/28/11 08:45

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								
11E7260-BS1								
Benzene	50.0	50.4		ug/kg	101%	78 - 126	11E7260	05/31/11 11:04
Ethylbenzene	50.0	55.1		ug/kg	110%	79 - 130	11E7260	05/31/11 11:04
Naphthalene	50.0	54.9		ug/kg	110%	72 - 150	11E7260	05/31/11 11:04
Toluene	50.0	53.0		ug/kg	106%	76 - 126	11E7260	05/31/11 11:04
Xylenes, total	150	167		ug/kg	112%	80 - 130	11E7260	05/31/11 11:04
Surrogate: 1,2-Dichloroethane-d4	50.0	46.6			93%	67 - 138	11E7260	05/31/11 11:04
Surrogate: Dibromofluoromethane	50.0	49.6			99%	75 - 125	11E7260	05/31/11 11:04
Surrogate: Toluene-d8	50.0	51.1			102%	76 - 129	11E7260	05/31/11 11:04
Surrogate: 4-Bromofluorobenzene	50.0	51.3			103%	67 - 147	11E7260	05/31/11 11:04
11F0105-BS1								
Benzene	50.0	52.5		ug/kg	105%	78 - 126	11F0105	06/01/11 10:34
Ethylbenzene	50.0	55.4		ug/kg	111%	79 - 130	11F0105	06/01/11 10:34
Naphthalene	50.0	57.6		ug/kg	115%	72 - 150	11F0105	06/01/11 10:34
Toluene	50.0	53.0		ug/kg	106%	76 - 126	11F0105	06/01/11 10:34
Xylenes, total	150	166		ug/kg	111%	80 - 130	11F0105	06/01/11 10:34
Surrogate: 1,2-Dichloroethane-d4	50.0	43.7			87%	67 - 138	11F0105	06/01/11 10:34
Surrogate: Dibromofluoromethane	50.0	48.3			97%	75 - 125	11F0105	06/01/11 10:34
Surrogate: Toluene-d8	50.0	50.4			101%	76 - 129	11F0105	06/01/11 10:34
Surrogate: 4-Bromofluorobenzene	50.0	51.1			102%	67 - 147	11F0105	06/01/11 10:34
11F0581-BS1								
Benzene	50.0	52.4		ug/kg	105%	78 - 126	11F0581	06/09/11 10:51
Ethylbenzene	50.0	55.6		ug/kg	111%	79 - 130	11F0581	06/09/11 10:51
Naphthalene	50.0	62.1		ug/kg	124%	72 - 150	11F0581	06/09/11 10:51
Toluene	50.0	54.4		ug/kg	109%	76 - 126	11F0581	06/09/11 10:51
Xylenes, total	150	170		ug/kg	114%	80 - 130	11F0581	06/09/11 10:51
Surrogate: 1,2-Dichloroethane-d4	50.0	47.6			95%	67 - 138	11F0581	06/09/11 10:51
Surrogate: Dibromofluoromethane	50.0	49.2			98%	75 - 125	11F0581	06/09/11 10:51
Surrogate: Toluene-d8	50.0	50.3			101%	76 - 129	11F0581	06/09/11 10:51
Surrogate: 4-Bromofluorobenzene	50.0	47.8			96%	67 - 147	11F0581	06/09/11 10:51
Polyaromatic Hydrocarbons by EPA 8270D								
11E7498-BS1								
Acenaphthene	1.67	1.39		mg/kg wet	83%	49 - 120	11E7498	06/01/11 13:55
Acenaphthylene	1.67	1.40		mg/kg wet	84%	52 - 120	11E7498	06/01/11 13:55
Anthracene	1.67	1.49		mg/kg wet	89%	58 - 120	11E7498	06/01/11 13:55
Benzo (a) anthracene	1.67	1.49		mg/kg wet	89%	57 - 120	11E7498	06/01/11 13:55
Benzo (a) pyrene	1.67	1.51		mg/kg wet	91%	55 - 120	11E7498	06/01/11 13:55
Benzo (b) fluoranthene	1.67	1.50		mg/kg wet	90%	51 - 123	11E7498	06/01/11 13:55
Benzo (g,h,i) perylene	1.67	1.46		mg/kg wet	88%	49 - 121	11E7498	06/01/11 13:55
Benzo (k) fluoranthene	1.67	1.50		mg/kg wet	90%	42 - 129	11E7498	06/01/11 13:55

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUE4876
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/28/11 08:45

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								
11E7498-BS1								
Chrysene	1.67	1.47		mg/kg wet	88%	55 - 120	11E7498	06/01/11 13:55
Dibenz (a,h) anthracene	1.67	1.51		mg/kg wet	91%	50 - 123	11E7498	06/01/11 13:55
Fluoranthene	1.67	1.33		mg/kg wet	80%	58 - 120	11E7498	06/01/11 13:55
Fluorene	1.67	1.51		mg/kg wet	91%	54 - 120	11E7498	06/01/11 13:55
Indeno (1,2,3-cd) pyrene	1.67	1.50		mg/kg wet	90%	50 - 122	11E7498	06/01/11 13:55
Naphthalene	1.67	1.30		mg/kg wet	78%	28 - 120	11E7498	06/01/11 13:55
Phenanthrene	1.67	1.54		mg/kg wet	92%	56 - 120	11E7498	06/01/11 13:55
Pyrene	1.67	1.68		mg/kg wet	101%	56 - 120	11E7498	06/01/11 13:55
1-Methylnaphthalene	1.67	1.13		mg/kg wet	68%	36 - 120	11E7498	06/01/11 13:55
2-Methylnaphthalene	1.67	1.26		mg/kg wet	75%	36 - 120	11E7498	06/01/11 13:55
Surrogate: Terphenyl-d14	1.67	1.82			109%	18 - 120	11E7498	06/01/11 13:55
Surrogate: 2-Fluorobiphenyl	1.67	1.13			68%	14 - 120	11E7498	06/01/11 13:55
Surrogate: Nitrobenzene-d5	1.67	1.03			62%	17 - 120	11E7498	06/01/11 13:55

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUE4876
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/28/11 08:45

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										
11F0105-MS1										
Benzene	ND	2.31		mg/kg dry	2.47	94%	42 - 141	11F0105	NUE4876-05RE1	06/01/11 21:03
Ethylbenzene	1.27	4.07		mg/kg dry	2.47	114%	21 - 165	11F0105	NUE4876-05RE1	06/01/11 21:03
Naphthalene	15.1	14.6	M2	mg/kg dry	2.47	-20%	10 - 160	11F0105	NUE4876-05RE1	06/01/11 21:03
Toluene	ND	2.72		mg/kg dry	2.47	110%	45 - 145	11F0105	NUE4876-05RE1	06/01/11 21:03
Xylenes, total	1.64	8.58		mg/kg dry	7.41	94%	31 - 159	11F0105	NUE4876-05RE1	06/01/11 21:03
Surrogate: 1,2-Dichloroethane-d4		38.1		ug/kg	50.0	76%	67 - 138	11F0105	NUE4876-05RE1	06/01/11 21:03
Surrogate: Dibromofluoromethane		42.9		ug/kg	50.0	86%	75 - 125	11F0105	NUE4876-05RE1	06/01/11 21:03
Surrogate: Toluene-d8		51.9		ug/kg	50.0	104%	76 - 129	11F0105	NUE4876-05RE1	06/01/11 21:03
Surrogate: 4-Bromofluorobenzene		57.6		ug/kg	50.0	115%	67 - 147	11F0105	NUE4876-05RE1	06/01/11 21:03
11F0581-MS1										
Benzene	ND	0.0416		mg/kg wet	0.0473	88%	42 - 141	11F0581	NUF0809-13	06/09/11 21:53
Ethylbenzene	ND	0.0462		mg/kg wet	0.0473	98%	21 - 165	11F0581	NUF0809-13	06/09/11 21:53
Naphthalene	ND	0.0230		mg/kg wet	0.0473	49%	10 - 160	11F0581	NUF0809-13	06/09/11 21:53
Toluene	ND	0.0445		mg/kg wet	0.0473	94%	45 - 145	11F0581	NUF0809-13	06/09/11 21:53
Xylenes, total	ND	0.136		mg/kg wet	0.142	96%	31 - 159	11F0581	NUF0809-13	06/09/11 21:53
Surrogate: 1,2-Dichloroethane-d4		51.2		ug/kg	50.0	102%	67 - 138	11F0581	NUF0809-13	06/09/11 21:53
Surrogate: Dibromofluoromethane		49.6		ug/kg	50.0	99%	75 - 125	11F0581	NUF0809-13	06/09/11 21:53
Surrogate: Toluene-d8		50.1		ug/kg	50.0	100%	76 - 129	11F0581	NUF0809-13	06/09/11 21:53
Surrogate: 4-Bromofluorobenzene		46.2		ug/kg	50.0	92%	67 - 147	11F0581	NUF0809-13	06/09/11 21:53
Polyaromatic Hydrocarbons by EPA 8270D										
11E7498-MS1										
Acenaphthene	ND	1.37		mg/kg dry	1.91	72%	42 - 120	11E7498	NUE4826-01	06/01/11 14:17
Acenaphthylene	ND	1.40		mg/kg dry	1.91	73%	32 - 120	11E7498	NUE4826-01	06/01/11 14:17
Anthracene	ND	1.48		mg/kg dry	1.91	77%	10 - 200	11E7498	NUE4826-01	06/01/11 14:17
Benzo (a) anthracene	ND	1.46		mg/kg dry	1.91	76%	41 - 120	11E7498	NUE4826-01	06/01/11 14:17
Benzo (a) pyrene	ND	1.50		mg/kg dry	1.91	78%	33 - 121	11E7498	NUE4826-01	06/01/11 14:17
Benzo (b) fluoranthene	ND	1.50		mg/kg dry	1.91	78%	26 - 137	11E7498	NUE4826-01	06/01/11 14:17
Benzo (g,h,i) perylene	ND	1.43		mg/kg dry	1.91	75%	21 - 124	11E7498	NUE4826-01	06/01/11 14:17
Benzo (k) fluoranthene	ND	1.50		mg/kg dry	1.91	78%	14 - 140	11E7498	NUE4826-01	06/01/11 14:17
Chrysene	ND	1.43		mg/kg dry	1.91	74%	28 - 123	11E7498	NUE4826-01	06/01/11 14:17
Dibenz (a,h) anthracene	ND	1.49		mg/kg dry	1.91	78%	25 - 127	11E7498	NUE4826-01	06/01/11 14:17

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUE4876
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/28/11 08:45

PROJECT QUALITY CONTROL DATA
Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Polyaromatic Hydrocarbons by EPA 8270D										
11E7498-MS1										
Fluoranthene	ND	1.39		mg/kg dry	1.91	73%	38 - 120	11E7498	NUE4826-01	06/01/11 14:17
Fluorene	ND	1.50		mg/kg dry	1.91	78%	41 - 120	11E7498	NUE4826-01	06/01/11 14:17
Indeno (1,2,3-cd) pyrene	ND	1.47		mg/kg dry	1.91	77%	25 - 123	11E7498	NUE4826-01	06/01/11 14:17
Naphthalene	ND	1.33		mg/kg dry	1.91	69%	25 - 120	11E7498	NUE4826-01	06/01/11 14:17
Phenanthrene	ND	1.53		mg/kg dry	1.91	80%	37 - 120	11E7498	NUE4826-01	06/01/11 14:17
Pyrene	ND	1.69		mg/kg dry	1.91	88%	29 - 125	11E7498	NUE4826-01	06/01/11 14:17
1-Methylnaphthalene	ND	1.12		mg/kg dry	1.91	59%	19 - 120	11E7498	NUE4826-01	06/01/11 14:17
2-Methylnaphthalene	ND	1.22		mg/kg dry	1.91	64%	11 - 120	11E7498	NUE4826-01	06/01/11 14:17
Surrogate: Terphenyl-d14		1.76		mg/kg dry	1.91	92%	18 - 120	11E7498	NUE4826-01	06/01/11 14:17
Surrogate: 2-Fluorobiphenyl		1.07		mg/kg dry	1.91	56%	14 - 120	11E7498	NUE4826-01	06/01/11 14:17
Surrogate: Nitrobenzene-d5		0.994		mg/kg dry	1.91	52%	17 - 120	11E7498	NUE4826-01	06/01/11 14:17

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUE4876
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/28/11 08:45

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												
11F0105-MSD1												
Benzene	ND	2.53		mg/kg dry	2.47	102%	42 - 141	9	50	11F0105	NUE4876-05R E1	06/01/11 21:32
Ethylbenzene	1.27	4.06		mg/kg dry	2.47	113%	21 - 165	0.4	50	11F0105	NUE4876-05R E1	06/01/11 21:32
Naphthalene	15.1	17.5		mg/kg dry	2.47	99%	10 - 160	18	50	11F0105	NUE4876-05R E1	06/01/11 21:32
Toluene	ND	2.63		mg/kg dry	2.47	107%	45 - 145	3	50	11F0105	NUE4876-05R E1	06/01/11 21:32
Xylenes, total	1.64	8.22		mg/kg dry	7.41	89%	31 - 159	4	50	11F0105	NUE4876-05R E1	06/01/11 21:32
Surrogate: 1,2-Dichloroethane-d4		44.2		ug/kg	50.0	88%	67 - 138			11F0105	NUE4876-05R E1	06/01/11 21:32
Surrogate: Dibromofluoromethane		48.3		ug/kg	50.0	97%	75 - 125			11F0105	NUE4876-05R E1	06/01/11 21:32
Surrogate: Toluene-d8		52.0		ug/kg	50.0	104%	76 - 129			11F0105	NUE4876-05R E1	06/01/11 21:32
Surrogate: 4-Bromofluorobenzene		61.1		ug/kg	50.0	122%	67 - 147			11F0105	NUE4876-05R E1	06/01/11 21:32
11F0581-MSD1												
Benzene	ND	0.0486		mg/kg wet	0.0446	109%	42 - 141	15	50	11F0581	NUF0809-13	06/09/11 22:22
Ethylbenzene	ND	0.0510		mg/kg wet	0.0446	115%	21 - 165	10	50	11F0581	NUF0809-13	06/09/11 22:22
Naphthalene	ND	0.0389	R	mg/kg wet	0.0446	87%	10 - 160	51	50	11F0581	NUF0809-13	06/09/11 22:22
Toluene	ND	0.0505		mg/kg wet	0.0446	113%	45 - 145	13	50	11F0581	NUF0809-13	06/09/11 22:22
Xylenes, total	ND	0.155		mg/kg wet	0.134	116%	31 - 159	13	50	11F0581	NUF0809-13	06/09/11 22:22
Surrogate: 1,2-Dichloroethane-d4		47.7		ug/kg	50.0	95%	67 - 138			11F0581	NUF0809-13	06/09/11 22:22
Surrogate: Dibromofluoromethane		48.6		ug/kg	50.0	97%	75 - 125			11F0581	NUF0809-13	06/09/11 22:22
Surrogate: Toluene-d8		50.3		ug/kg	50.0	101%	76 - 129			11F0581	NUF0809-13	06/09/11 22:22
Surrogate: 4-Bromofluorobenzene		46.9		ug/kg	50.0	94%	67 - 147			11F0581	NUF0809-13	06/09/11 22:22
Polyaromatic Hydrocarbons by EPA 8270D												
11E7498-MSD1												
Acenaphthene	ND	1.22		mg/kg dry	1.93	63%	42 - 120	12	40	11E7498	NUE4826-01	06/01/11 14:38
Acenaphthylene	ND	1.25		mg/kg dry	1.93	65%	32 - 120	11	30	11E7498	NUE4826-01	06/01/11 14:38
Anthracene	ND	1.34		mg/kg dry	1.93	69%	10 - 200	10	50	11E7498	NUE4826-01	06/01/11 14:38
Benzo (a) anthracene	ND	1.31		mg/kg dry	1.93	68%	41 - 120	11	30	11E7498	NUE4826-01	06/01/11 14:38
Benzo (a) pyrene	ND	1.32		mg/kg dry	1.93	68%	33 - 121	13	33	11E7498	NUE4826-01	06/01/11 14:38
Benzo (b) fluoranthene	ND	1.36		mg/kg dry	1.93	70%	26 - 137	10	42	11E7498	NUE4826-01	06/01/11 14:38
Benzo (g,h,i) perylene	ND	1.27		mg/kg dry	1.93	66%	21 - 124	12	32	11E7498	NUE4826-01	06/01/11 14:38
Benzo (k) fluoranthene	ND	1.28		mg/kg dry	1.93	66%	14 - 140	16	39	11E7498	NUE4826-01	06/01/11 14:38
Chrysene	ND	1.28		mg/kg dry	1.93	66%	28 - 123	11	34	11E7498	NUE4826-01	06/01/11 14:38
Dibenz (a,h) anthracene	ND	1.32		mg/kg dry	1.93	68%	25 - 127	12	31	11E7498	NUE4826-01	06/01/11 14:38
Fluoranthene	ND	1.25		mg/kg dry	1.93	65%	38 - 120	10	35	11E7498	NUE4826-01	06/01/11 14:38
Fluorene	ND	1.31		mg/kg dry	1.93	68%	41 - 120	14	37	11E7498	NUE4826-01	06/01/11 14:38
Indeno (1,2,3-cd) pyrene	ND	1.31		mg/kg dry	1.93	68%	25 - 123	12	32	11E7498	NUE4826-01	06/01/11 14:38

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

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUE4876
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/28/11 08:45

PROJECT QUALITY CONTROL DATA

Matrix Spike Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Polyaromatic Hydrocarbons by EPA 8270D												
11E7498-MSD1												
Naphthalene	ND	1.17		mg/kg dry	1.93	60%	25 - 120	13	42	11E7498	NUE4826-01	06/01/11 14:38
Phenanthrene	ND	1.39		mg/kg dry	1.93	72%	37 - 120	10	32	11E7498	NUE4826-01	06/01/11 14:38
Pyrene	ND	1.47		mg/kg dry	1.93	76%	29 - 125	14	40	11E7498	NUE4826-01	06/01/11 14:38
1-Methylnaphthalene	ND	0.968		mg/kg dry	1.93	50%	19 - 120	15	45	11E7498	NUE4826-01	06/01/11 14:38
2-Methylnaphthalene	ND	1.06		mg/kg dry	1.93	55%	11 - 120	14	50	11E7498	NUE4826-01	06/01/11 14:38
Surrogate: Terphenyl-d14		1.48		mg/kg dry	1.93	77%	18 - 120			11E7498	NUE4826-01	06/01/11 14:38
Surrogate: 2-Fluorobiphenyl		1.01		mg/kg dry	1.93	52%	14 - 120			11E7498	NUE4826-01	06/01/11 14:38
Surrogate: Nitrobenzene-d5		0.903		mg/kg dry	1.93	47%	17 - 120			11E7498	NUE4826-01	06/01/11 14:38

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:	NUE4876
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/28/11 08:45

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:	NUE4876
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	05/28/11 08:45

DATA QUALIFIERS AND DEFINITIONS

E	Concentration exceeds the calibration range and therefore result is semi-quantitative.
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.
M2	The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
R	The RPD exceeded the method control limit. The individual analyte QA/QC recoveries, however, were within acceptance limits.
RL1	Reporting limit raised due to sample matrix effects.
ZX	Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.
ND	Not detected at the reporting limit (or method detection limit if shown)

METHOD MODIFICATION NOTES

NUE4876
06/14/11 23:59

TestAmerica

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

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

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

Compliance Monitoring? Yes ____ No ____

Enforcement Action? Yes ____ No ____

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

Site State: SC
PO#: 1627
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)	HCl (Blue Label) Sodium Bisulfate	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass (Yellow Label)	None (Black Label)	Other (Specify) Methanol	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	Analyze For: BTEX + Napth - 8260B	PAH - 8270D	RUSH TAT (Pre-Scheduled)	Standard TAT	Fax Results	Send QC with report
1334 Albatross	5/23/11	1145	5	X					2				2	1					X		X	X				
306 Ash	5/24/11	1145	5	X					2				2	1					X		X	X				
316 Ash	5/24/11	1600	5	X					2				2	1					X		X	X				
326 Ash	5/25/11	1445	5	X					2				2	1					X		X	X				
319 Ash	5/26/11	1130	5	X					2				2	1					X		X	X				
331 Ash	5/26/11	1600	5	X					2				2	1					X		X	X				

Special Instructions:

Method of Shipment: FEDEX

Relinquished by:	Date	Time	Received by:	Date	Time
	5/27/11	0900	FEDEX		
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time
				5.28.11	0900

Laboratory Comments:
Temperature Upon Receipt: 5.2
VOCs Free of Headspace? Y N

ATTACHMENT A

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of 1
3. Generator's Mailing Address: MCAS, BEAUFORT LAUREL BAY HOUSING BEAUFORT, SC 29907	Generator's Site Address (If different than mailing):		A. Manifest Number WMNA 00316813
4. Generator's Phone 843-228-6461			B. State Generator's ID
5. Transporter 1 Company Name EEG, INC.	6. US EPA ID Number		C. State Transporter's ID
			D. Transporter's Phone 843-879-0411
7. Transporter 2 Company Name	8. US EPA ID Number		E. State Transporter's ID
			F. Transporter's Phone
9. Designated Facility Name and Site Address HICKORY HILL LANDFILL 2621 LOW COUNTRY ROAD RIDGELAND, SC 29936	10. US EPA ID Number		G. State Facility ID
			H. State Facility Phone 843-987-4643

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. HEATING OIL TANKS FILLED WITH SAND WM Profile # 102655SC		20y	8.45		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

~~UST from: 2) 1296 1) 1188 Bobwhite~~ 8/1/11

K. Disposal Location

Cell | Level

Grid

15. Special Handling Instructions and Additional Information

UST from: 1) 1188 Bobwhite ✓ 2) 1296 Eagle ✓ 3) 1217 Cardinal ✓ 4) 1334 Albatross ✓ 5) 316 Ash ✓ 6) 319 Ash ✓ 7) 646 Dahlia

Purchase Order # | EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:

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

Printed Name	Signature "On behalf of"	Month	Day	Year
[signature]	[signature]	08	01	11

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
James Baldwin	James Baldwin	8	2	11

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

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

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

Printed Name	Signature	Month	Day	Year
Toni Cofield	Toni Cofield	8	2	11

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY | Blue- GENERATOR #2 COPY | Yellow- GENERATOR #1 COPY

Pink- FACILITY USE ONLY | Gold- TRANSPORTER #1 COPY

Underground Storage Tank Management Division
Bureau of Land and Waste Management
2600 Bull Street
Columbia, SC 29201
(This form may be used to comply with SC UST Regulation 280.72)

STATE USE ONLY

Date Received

UNDERGROUND STORAGE TANK (UST) ASSESSMENT REPORT

Is this a change in service? Yes ____ No_X___
(The change in storage to a non-regulated substance)

I. OWNERSHIP OF UST(S)

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

Post Office Box 55001
Mailing Address

Beaufort	**South Carolina**	**29904-50001**
City	State	Zip Code

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

II. SITE IDENTIFICATION AND LOCATION

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

157 Ash Street (Formerly 316 Ash Street), Laurel Bay Military Housing Area
Street Address

Beaufort	**29906**	**Beaufort**
City	Zip Code	County

III. INSURANCE INFORMATION AND SUPERB FUNDING

Please complete the following 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.**

Pursuant to the State Underground Petroleum Environmental Response Bank (SUPERB) Act 44-2-130(E)(1): "An owner or operator of an underground storage tank or his agent seeking to qualify for compensation from the SUPERB account for site rehabilitation shall submit a written application to the Department." Please complete **DHEC Form 1300** regarding SUPERB compensation and the existence of an environmental insurance policy.

IV. 24 HOUR RELEASE REPORT

If free product is observed during closure activities, please submit **DHEC Form 1364** within 24 hours. Please note that this **DHEC Form 1364** should not be submitted for sampling analysis or other release designations. For the purpose of closure activities, this report form is solely for the observance of free product.

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

Date of Permanent Closure (Month/Day/Year): 12/12/2019

Note: Answer each question as completely as possible. For those questions that are yes or no , please indicate Y or N in the box. For all other questions, please provide the specific information.

Requested Information	UST 316-2	Ash Street				
Product (Gas, Kerosene, etc.)	Heating Oil					
Capacity in gallons (1K, 2K etc)	280 gallon					
Approximate age in years	Late 1950s					
Construction material (Steel, Fiberglass, etc)	Steel					
Month/Year of last use	Mid 1980s					
Depth in feet to the base of the tank	6.5					
Spill prevention present (Y or N)	N					
Overfill prevention present (Y or N)	N					
Tanks removed (Y or N)	Y					
Tanks filled in place (Y or N) If yes, indicate fill material in the box	N					
Visible Corrosion or Pitting (Y or N)	Y					
Visible Holes (Y or N)	N					

1. Indicate the method of disposal for any USTs removed from the ground (Do not forget to attach the disposal manifests): UST 316-2 Ash was emptied of fluids before removal. Tank and the concrete covering the tank were removed, wrapped in plastic, and disposed of at Waste Management Hickory Hill Landfill. See Attachment A.

2. Indicate the method of disposal for any liquid petroleum, sludges, or wastewaters removed from the USTs (Do not forget to attach the disposal manifests): Contaminated water was pumped from the tank by AECOM. These wastes will be properly manifested and disposed of along with similar aqueous petroleum wastes. Disposal manifests will be provided under separate cover following transportation and disposal activities.

3. If any corrosion, pitting, or holes were observed, describe the location and extent for each UST: UST shell showed minimal signs of corrosion and no holes were observed.

VII. PIPING INFORMATION

Date of Permanent Closure (Month/Day/Year): 12/12/2019

Note: Answer each question as completely as possible. For those questions that are yes or no , please indicate Y or N in the box. For all other questions, please provide the specific information.

Requested Information	UST 316-2					
Approximate age in years	Late 1950s					
Construction material (Steel, Fiberglass, etc)	Steel and Copper					
Distance in feet from UST to Dispenser(s)	N/A					
Number of Dispensers	None					
Type of System (Pressure or Suction)	Suction					
Was piping removed from the ground (Y or N)	Yes					
If piping was not removed were both ends of the piping capped off (Y or N)	N/A					
Visible Corrosion or Pitting (Y or N)	Y - on vent line					
Visible Holes (Y or N)	N					

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

UST vent line showed obvious signs of corrosion for all subsurface distances. Copper suction lines leading to foundation did not show signs of failure.

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. The tank was located inches in front of eastern face of the front porch beneath the sidewalk and approximately two feet from the southern facing garage wall. The nearest surface water drainage ditch is approximately 830 feet to the southwest and nearest water body is approximately 1700 feet from the former tank location. Additionally, there is a subsurface stormwater conveyance pipe approximately 80 feet to the west of the UST.

IX. SITE CONDITIONS

Note: Answer each question as completely as possible. For those questions that are yes or no , please check Y or N. If the information is unknown or cannot be obtained, check unknown. For all other questions, please provide the specific information.

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

X. SAMPLE INFORMATION

SCDHEC Lab Certification Number 32010001
Date that samples were taken: 12/12/2019

Sample #	Location	Sample Type (Soil/Water)	Soil Type (Sand/Clay)	Depth*	Date/Time of Collection	Collected by	OVA #
BEALB316SB02	316-2	Soil	Sand	4'0"	12/12/19 1115	Reibling	

* = 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 SCDHEC 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 the fill port side of the tank. The samples were marked, logged, and immediately placed in a sample cooler packed with ice to maintain an appropriate temperature of 4 degrees Celsius. Tools were thoroughly cleaned and decontaminated with the seven step decon process after each use. The samples remained in custody of AECOM until they were transferred to Shealy Environmental Laboratory for analysis as documented in the Chain of Custody Record.

XII. RECEPTORS

Note: Answer each question as completely as possible. For those questions that are yes or no , please check Y or N. If the information is unknown or cannot be obtained, check unknown. For all other questions, please provide the specific information.

Requested Information	Yes	No	Unk
Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the UST system? If yes, indicate type of receptor, distance, and direction on site map.	X **Stormwater drainage canal ~830' and 905'**		
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	
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	
Are there any underground utilities (e.g., telephone, electricity, gas, water, sewer, storm drain) located within 100 feet of the UST system that could potentially come in contact with the contamination? If yes, indicate the type of utility, distance, and direction on the site map.	X **Sewer, water, electricity, cable, and fiber optic**		
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 <u>scaled</u> 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)

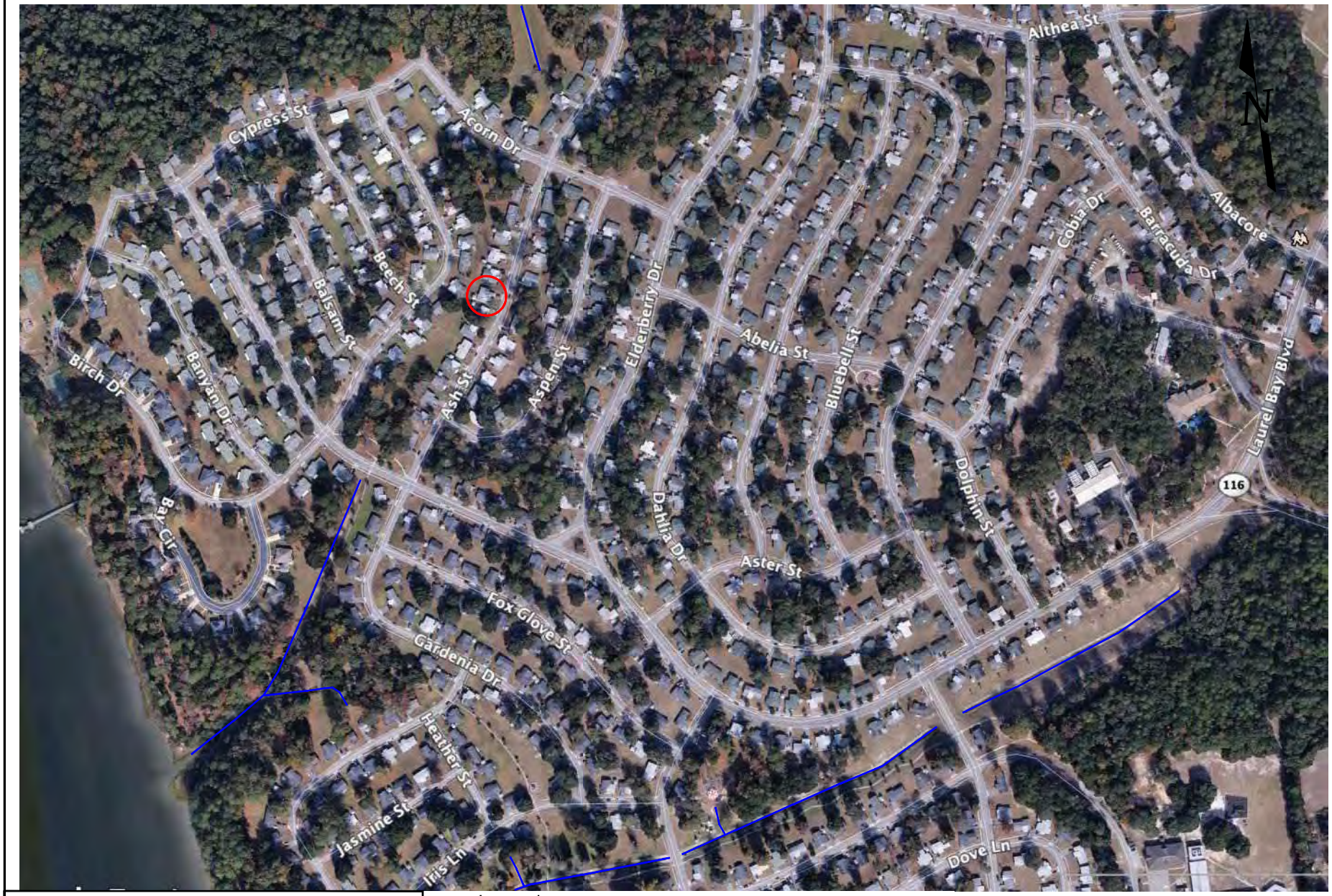

FIGURE 1: UST REMOVAL SITE MAP
157 ASH STREET (FORMERLY 316 ASH ST)
LAUREL BAY HOUSING AREA
MCAS BEAUFORT, SC

Legend

DRAINAGE

HOUSE LOCATION

0' 1000'

envirosmart
P.O. BOX 20666
CHARLESTON, SC 29413
843.722.0062

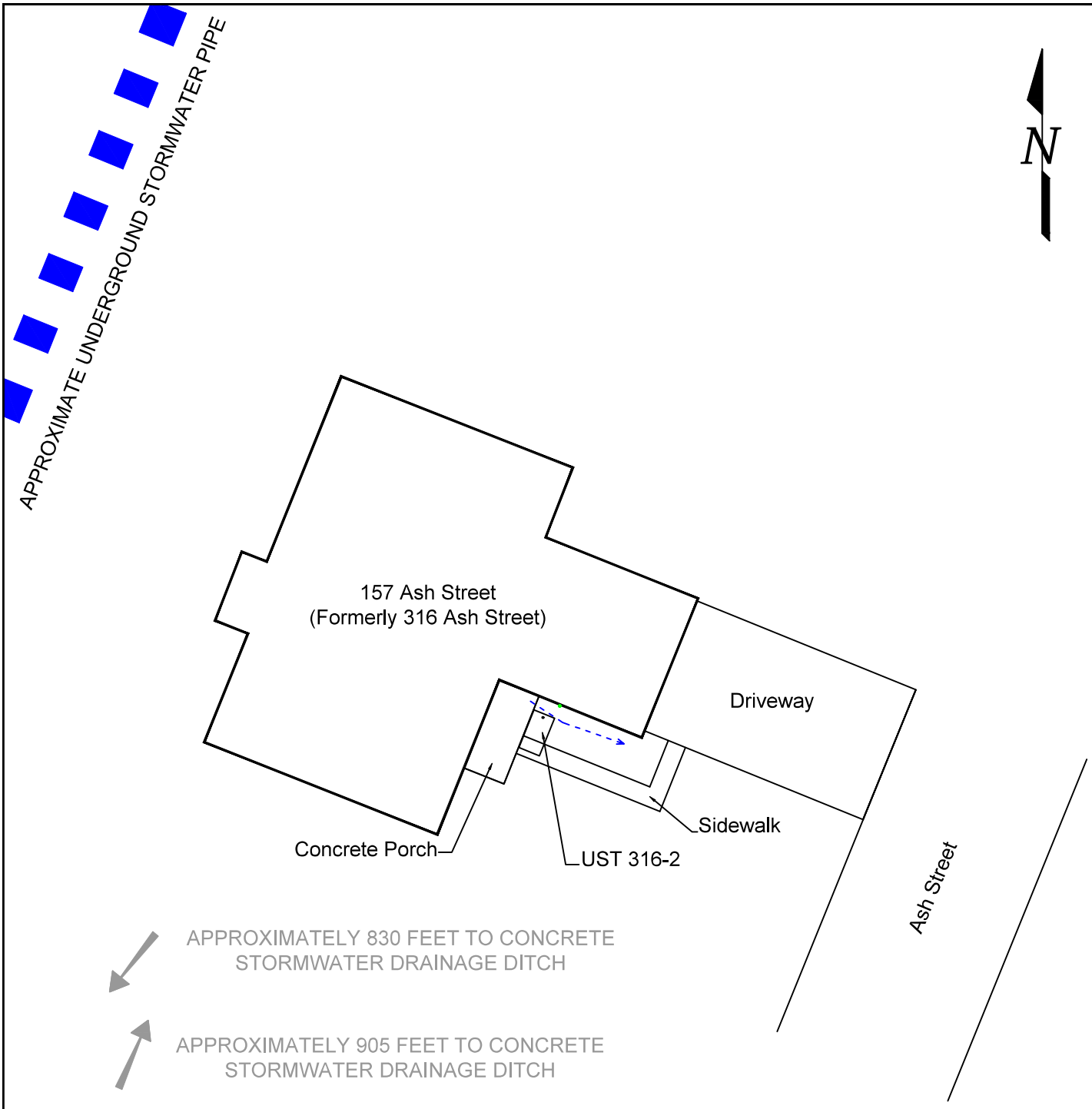

FIGURE 2: UST REMOVAL SITE MAP
157 ASH STREET (FORMERLY 316 ASH ST)
LAUREL BAY HOUSING AREA
MCAS BEAUFORT, SC

envirosmart
P.O. BOX 20666
CHARLESTON, SC 29413
843.722.0062

Drawing Date: 01/03/2020

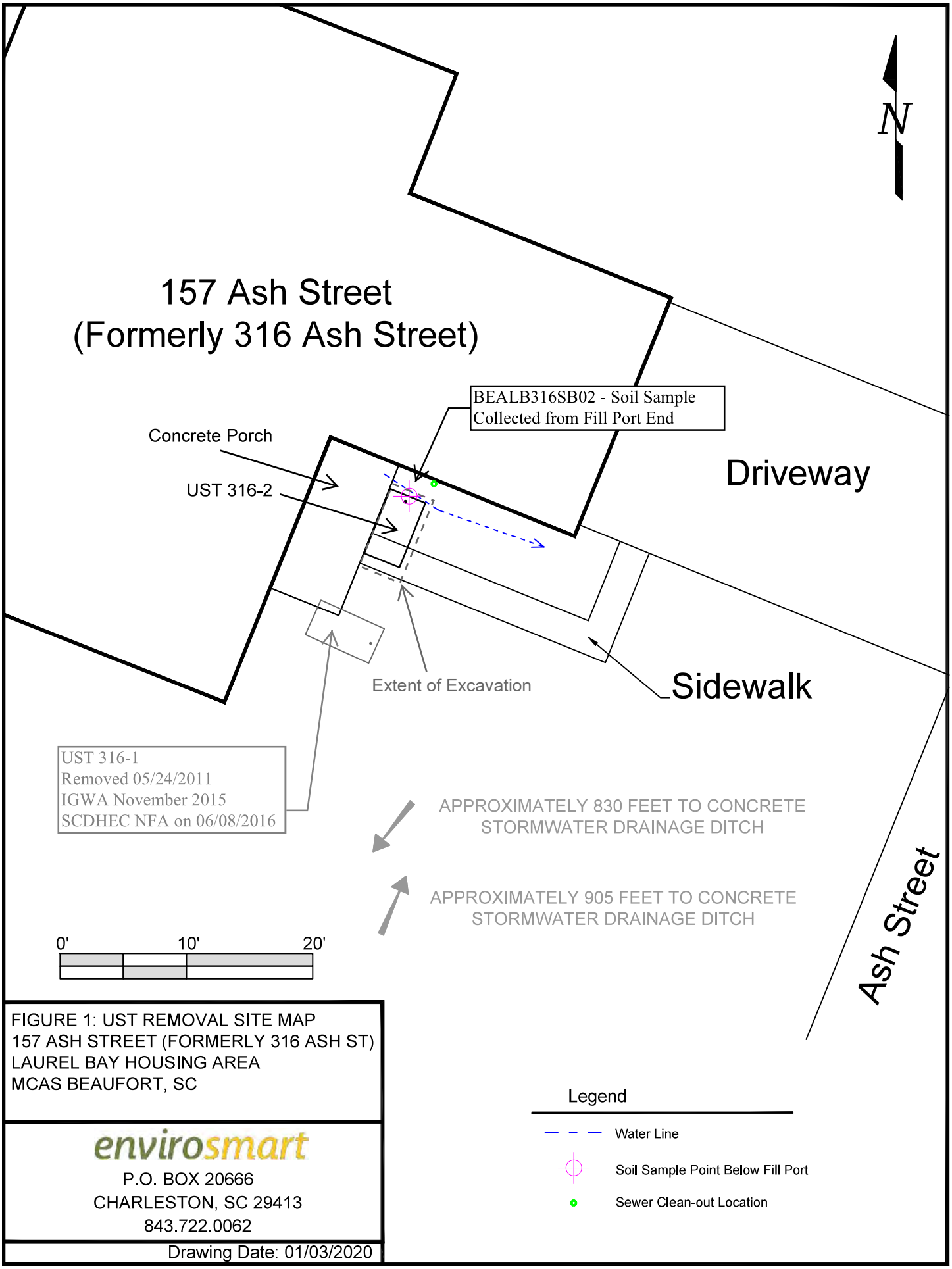

FIGURE 1: UST REMOVAL SITE MAP
157 ASH STREET (FORMERLY 316 ASH ST)
LAUREL BAY HOUSING AREA
MCAS BEAUFORT, SC

envirosmart
P.O. BOX 20666
CHARLESTON, SC 29413
843.722.0062

Drawing Date: 01/03/2020

Photo 1: Tank Site Location

Photo 2: In-situ Tank covered by concrete slab

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	BEALB316SB02SO 20191212						
Benzene	<4.7						
Toluene	<4.7						
Ethylbenzene	94						
Xylenes	48						
Naphthalene	44						
Benzo(a)anthracene	47						
Benzo(b)fluoranthene	46						
Benzo(k)fluoranthene	18						
Chrysene	52						
Dibenz(a,h)anthracene	<13						
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 (ug/l)	W-1	W-2	W-3	W-4	W-5
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)

SHEALY ENVIRONMENTAL SERVICES, INC.

Report of Analysis

AECOM
4016 Salt Pointe Parkway
North Charleston, SC 29405
Attention: Shawn Dolan

Project Name: 18F7033 - LBMH, MCAS Beaufort, SC

Project Number: 60489691.FI.FK

Lot Number:**UL13037**

Date Completed:12/23/2019
Revision Date: 01/20/2020

N. Saikaly

01/20/2020 6:21 PM
Approved and released by:
Project Manager: Nisreen Saikaly

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Case Narrative
AECOM
Lot Number: UL13037

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), applicable Shealy standard operating procedures (SOPs), the 2003 NELAC standard, and Shealy policies. Additionally, the DoD QSM version 5.3 has been followed for these samples. Any exceptions to the QAMP, SOPs, NELAC standards, the DoD QSM, or policies are qualified on the results page or discussed below.

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W" qualifier

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Report Revision (01/20/2020)

This report supersedes and replaces any prior reports issued under this lot number.

This report is revised to update the sample ID for sample UL13037-001. ID is updated from BEALB316SBO25020191212 to BEALB316SBO2SO20191212.

Volatile Organic Compounds

Surrogate recovery for the following sample was outside control limits: UL13037-001. Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

The matrix spike and matrix spike duplicate (MS/MSD) recoveries in batch 39615 were outside acceptance criteria. All other QC criteria for the batch was within acceptance criteria and method control limits. The MS/MSD recovery results are attributed to matrix interference. The associated sample results were reported and no corrective action was required.

Semivolatile Organic Compounds

Surrogate recovery for the following sample was outside control limits: UL13037-001. Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

The matrix spike and matrix spike duplicate (MS/MSD) recoveries in batch 39600 were outside acceptance criteria. All other QC criteria for the batch was within acceptance criteria and method control limits. The MS/MSD recovery results are attributed to matrix interference. The associated sample results were reported and no corrective action was required.

Sample Summary

AECOM

Lot Number: UL13037

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	BEALB316SBO2SO20191212	Solid	12/12/2019 1115	12/13/2019

(1 sample)

Detection Summary

AECOM

Lot Number: UL13037

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	BEALB316SBO2SO20191212	Solid	Ethylbenzene	8260D	94	Q	ug/kg	5
001	BEALB316SBO2SO20191212	Solid	Naphthalene	8260D	44	QS	ug/kg	5
001	BEALB316SBO2SO20191212	Solid	Xylenes (total)	8260D	48	Q	ug/kg	5
001	BEALB316SBO2SO20191212	Solid	Benzo(a)anthracene	8270E	47	Q	ug/kg	6
001	BEALB316SBO2SO20191212	Solid	Benzo(b)fluoranthene	8270E	46	Q	ug/kg	6
001	BEALB316SBO2SO20191212	Solid	Benzo(k)fluoranthene	8270E	18	Q	ug/kg	6
001	BEALB316SBO2SO20191212	Solid	Chrysene	8270E	52	Q	ug/kg	6

(7 detections)

Volatile Organic Compounds by GC/MS

Client: AECOM
Description: BEALB316SBO2SO20191212
Date Sampled: 12/12/2019 1115
Date Received: 12/13/2019

Laboratory ID: UL13037-001
Matrix: Solid
% Solids: 79.6 12/18/2019 0046

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5035	8260D	1	12/20/2019 0049	ALR1		39615

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzene	71-43-2	8260D	4.7	UQS	5.9	4.7	2.4	ug/kg	1
Ethylbenzene	100-41-4	8260D	94	Q	5.9	4.7	2.4	ug/kg	1
Naphthalene	91-20-3	8260D	44	QS	5.9	4.7	2.4	ug/kg	1
Toluene	108-88-3	8260D	4.7	UQ	5.9	4.7	2.4	ug/kg	1
Xylenes (total)	1330-20-7	8260D	48	Q	12	9.6	4.7	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		98	79-119
Dibromofluoromethane		107	78-119
1,2-Dichloroethane-d4		102	71-136
Toluene-d8	N	122	85-116

LOQ = Limit of Quantitation
U = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
LOD = Limit of Detection
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Semivolatile Organic Compounds by GC/MS

Client: AECOM
Description: BEALB316SBO2SO20191212
Date Sampled: 12/12/2019 1115
Date Received: 12/13/2019

Laboratory ID: UL13037-001
Matrix: Solid
% Solids: 79.6 12/18/2019 0046

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3546	8270E	5	12/20/2019 1547	SCD	12/19/2019 2101	39600

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzo(a)anthracene	56-55-3	8270E	47	Q	17	13	3.6	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270E	46	Q	17	13	3.1	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270E	18	Q	17	9.4	2.9	ug/kg	1
Chrysene	218-01-9	8270E	52	Q	17	9.4	2.8	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270E	13	UQ	17	13	3.1	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl	N	126	44-115
Nitrobenzene-d5		50	37-122
Terphenyl-d14		81	54-127

LOQ = Limit of Quantitation
U = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
LOD = Limit of Detection
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: UQ39615-001
Batch: 39615
Analytical Method: 8260D

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	LOQ	LOD	DL	Units	Analysis Date
Benzene	4.0	U	1	5.0	4.0	2.0	ug/kg	12/19/2019 2211
Ethylbenzene	4.0	U	1	5.0	4.0	2.0	ug/kg	12/19/2019 2211
Naphthalene	4.0	U	1	5.0	4.0	2.0	ug/kg	12/19/2019 2211
Toluene	4.0	U	1	5.0	4.0	2.0	ug/kg	12/19/2019 2211
Xylenes (total)	8.0	U	1	10	8.0	4.0	ug/kg	12/19/2019 2211

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		107	79-119
Dibromofluoromethane		106	78-119
1,2-Dichloroethane-d4		105	71-136
Toluene-d8		113	85-116

LOQ = Limit of Quantitation
DL = Detection Limit
LOD = Limit of Detection

P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
U = Not detected at or above the LOQ

N = Recovery is out of criteria
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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Volatile Organic Compounds by GC/MS - LCS

Sample ID: UQ39615-002
Batch: 39615
Analytical Method: 8260D

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Benzene	50	52		1	104	77-121	12/19/2019 2020
Ethylbenzene	50	54		1	108	76-122	12/19/2019 2020
Naphthalene	50	49		1	98	62-129	12/19/2019 2020
Toluene	50	53		1	105	77-121	12/19/2019 2020
Xylenes (total)	100	110		1	107	78-124	12/19/2019 2020

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		103	79-119
Dibromofluoromethane		104	78-119
1,2-Dichloroethane-d4		104	71-136
Toluene-d8		108	85-116

LOQ = Limit of Quantitation
DL = Detection Limit
LOD = Limit of Detection

P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
U = Not detected at or above the LOQ

N = Recovery is out of criteria
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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Volatile Organic Compounds by GC/MS - MS

Sample ID: UL13037-001MS
Batch: 39615
Analytical Method: 8260D

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Benzene	ND	55	42	N	1	75	77-121	12/20/2019 0554
Ethylbenzene	94	55	140		1	90	76-122	12/20/2019 0554
Naphthalene	44	55	46	N	1	2.6	62-129	12/20/2019 0554
Toluene	ND	55	45		1	80	77-121	12/20/2019 0554
Xylenes (total)	48	110	150		1	90	78-124	12/20/2019 0554

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		93	79-119
Dibromofluoromethane		102	78-119
1,2-Dichloroethane-d4		96	71-136
Toluene-d8	N	122	85-116

LOQ = Limit of Quantitation
DL = Detection Limit
LOD = Limit of Detection

P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
U = Not detected at or above the LOQ

N = Recovery is out of criteria
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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Volatile Organic Compounds by GC/MS - MSD

Sample ID: UL13037-001MD
Batch: 39615
Analytical Method: 8260D

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Benzene	ND	57	45		1	80	8.3	77-121	20	12/20/2019 0618
Ethylbenzene	94	57	160		1	111	9.1	76-122	20	12/20/2019 0618
Naphthalene	44	57	48	N	1	6.2	4.4	62-129	20	12/20/2019 0618
Toluene	ND	57	46		1	81	3.2	77-121	20	12/20/2019 0618
Xylenes (total)	48	110	150		1	93	4.4	78-124	20	12/20/2019 0618

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		95	79-119
Dibromofluoromethane		104	78-119
1,2-Dichloroethane-d4		99	71-136
Toluene-d8	N	123	85-116

LOQ = Limit of Quantitation
DL = Detection Limit
LOD = Limit of Detection

P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
U = Not detected at or above the LOQ

N = Recovery is out of criteria
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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Semivolatile Organic Compounds by GC/MS - MB

Sample ID: UQ39600-001
Batch: 39600
Analytical Method: 8270E

Matrix: Solid
Prep Method: 3546
Prep Date: 12/19/2019 2101

Parameter	Result	Q	Dil	LOQ	LOD	DL	Units	Analysis Date
Benzo(a)anthracene	2.0	U	1	2.7	2.0	0.59	ug/kg	12/20/2019 1118
Benzo(b)fluoranthene	2.0	U	1	2.7	2.0	0.50	ug/kg	12/20/2019 1118
Benzo(k)fluoranthene	1.5	U	1	2.7	1.5	0.48	ug/kg	12/20/2019 1118
Chrysene	1.5	U	1	2.7	1.5	0.45	ug/kg	12/20/2019 1118
Dibenzo(a,h)anthracene	2.0	U	1	2.7	2.0	0.51	ug/kg	12/20/2019 1118

Surrogate	Q	% Rec	Acceptance Limit
2-Fluorobiphenyl		67	44-115
Nitrobenzene-d5		60	37-122
Terphenyl-d14		73	54-127

LOQ = Limit of Quantitation
DL = Detection Limit
LOD = Limit of Detection

P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
U = Not detected at or above the LOQ

N = Recovery is out of criteria
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: UQ39600-002
Batch: 39600
Analytical Method: 8270E

Matrix: Solid
Prep Method: 3546
Prep Date: 12/19/2019 2101

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Benzo(a)anthracene	130	100		1	78	49-126	12/20/2019 1142
Benzo(b)fluoranthene	130	110		1	82	45-132	12/20/2019 1142
Benzo(k)fluoranthene	130	110		1	82	47-132	12/20/2019 1142
Chrysene	130	100		1	78	50-124	12/20/2019 1142
Dibenzo(a,h)anthracene	130	110		1	84	45-134	12/20/2019 1142

Surrogate	Q	% Rec	Acceptance Limit
2-Fluorobiphenyl		69	44-115
Nitrobenzene-d5		69	37-122
Terphenyl-d14		87	54-127

LOQ = Limit of Quantitation
DL = Detection Limit
LOD = Limit of Detection

P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
U = Not detected at or above the LOQ

N = Recovery is out of criteria
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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Semivolatile Organic Compounds by GC/MS - MS

Sample ID: UL13037-001MS
Batch: 39600
Analytical Method: 8270E

Matrix: Solid
Prep Method: 3546
Prep Date: 12/19/2019 2101

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Benzo(a)anthracene	47	160	160		5	70	49-126	12/20/2019 1951
Benzo(b)fluoranthene	46	160	150		5	62	45-132	12/20/2019 1951
Benzo(k)fluoranthene	18	160	140		5	75	47-132	12/20/2019 1951
Chrysene	52	160	150		5	64	50-124	12/20/2019 1951
Dibenzo(a,h)anthracene	ND	160	130		5	79	45-134	12/20/2019 1951

Surrogate	Q	% Rec	Acceptance Limit
2-Fluorobiphenyl		115	44-115
Nitrobenzene-d5		69	37-122
Terphenyl-d14		66	54-127

LOQ = Limit of Quantitation
DL = Detection Limit
LOD = Limit of Detection

P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
U = Not detected at or above the LOQ

N = Recovery is out of criteria
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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Semivolatile Organic Compounds by GC/MS - MSD

Sample ID: UL13037-001MD
Batch: 39600
Analytical Method: 8270E

Matrix: Solid
Prep Method: 3546
Prep Date: 12/19/2019 2101

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Benzo(a)anthracene	47	170	180		5	78	9.4	49-126	20	12/20/2019 2016
Benzo(b)fluoranthene	46	170	150		5	60	0.038	45-132	20	12/20/2019 2016
Benzo(k)fluoranthene	18	170	130		5	71	2.5	47-132	20	12/20/2019 2016
Chrysene	52	170	170		5	69	7.2	50-124	20	12/20/2019 2016
Dibenzo(a,h)anthracene	ND	170	160	+	5	95	22	45-134	20	12/20/2019 2016

Surrogate	Q	% Rec	Acceptance Limit
2-Fluorobiphenyl	N	35	44-115
Nitrobenzene-d5		51	37-122
Terphenyl-d14		60	54-127

LOQ = Limit of Quantitation
DL = Detection Limit
LOD = Limit of Detection

P = The RPD between two GC columns exceeds 40%
J = Estimated result < LOQ and ≥ DL
U = Not detected at or above the LOQ

N = Recovery is out of criteria
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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Chain of Custody
and
Miscellaneous Documents

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

SHEALY

Chain of Custody Record

Number

Client: NAVFAC Mid-Atlantic	Report to Contact: Dora Cullom/ Shawn Dolan	Telephone No. / Fax No. / Email: (864)234-8028/ Dora.Cullom@aecom.com	Quote No.: 21972
Address: 4016 Salt Pointe Parkway	Sampler's Signature: x	Waybill No: 8149 8398 1545	Page: 1 of 1
City: N. Charleston / State: SC / Zip Code: 29405	Printed Name: Brian Reibling	Analysis (Attach list if more space is needed)	
Project Name: 18F7033 - LBMH, MCAS Beaufort, SC			
Project Number: 808661/4.5	P.O Number: Non PO Micro Purchase		

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: Aqueous	Solid	Wipe/Air	No. of Containers by Preservation Type: Unpres.	H2SO4	HNO3	HCl	NaOH	5035 kit	BTEX & Naphthalene (8260C)	Select PAHs (8270D)	
BEALB3165B02S02019121 2	12/12	1115	G		x		2					4	x	x	
BEALB3165B02S02019121 2-MS	1	1115	1		1		1					1	1	1	
BEALB3165B02S02019121 2-MSD	1	1115	1		1		1					1	1	1	

UL13037

Possible Hazard Identification: [X] Non Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison [ ] Unknown

Sample Disposal: [ ] Return to Client [X] Disposal by Lab

Note: All samples are retained for six weeks from receipt unless other arrangements are made

Turn Around Time Required (Prior lab approval required for expedited TAT): [X] Standard [ ] Rush (Please Specify)

QC Requirements (Please Specify)

	Date	Time		Date	Time
1. Relinquished by	12/12/19	1830	1. Received by: FedEx	12/12/19 1840 (AL)	1840
2. Relinquished by	Date	Time	2. Received by	Date	Time
3. Relinquished by: FedEx	Date 12-12-19	Time 11 W	3. Laboratory Received by	Date 12 12 19	Time 11 W

Comments: Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Dibenzo(a,h)anth

LAB USE ONLY: Received on Ice (Check) [Y] [ ] N [ ] Ice Pack — Receipt Temp: 2.6 °C TB

Document Number: F-AD-104 Effective Date 06-10-10

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: MD013C-14

Page: 1 of 1
Effective Date: 8/22/2018

Sample Receipt Checklist (SRC)

Client: AECOM Cooler Inspected by/date: ECC / 12/13/19 Lot #: 191-13057

Means of receipt: ☐ SESI ☐ Client ☐ UPS ☑ FedEx ☐ Other:

☑ Yes	☐ No		1. Were custody seals present on the cooler?
☑ Yes	☐ No	☐ NA	2. If custody seals were present, were they intact and unbroken?

pH Strip ID: NA Chlorine Strip ID: NA Tested by: NA

Original temperature upon receipt / Derived (Corrected) temperature upon receipt %Solid Snap-Cup ID: 19-2044

2.6 / 2.6 °C NA / NA °C NA / NA °C NA / NA °C

Method: ☑ Temperature Blank ☐ Against Bottles IR Gun ID: 6 IR Gun Correction Factor: 0 °C

Method of coolant: ☑ Wet Ice ☐ Ice Packs ☐ Dry Ice ☐ None

☐ Yes	☐ No	☑ NA	3. If temperature of any cooler exceeded 6.0°C, was Project Manager Notified? PM was Notified by: phone / email / face-to-face (circle one).
☑ Yes	☐ No	☐ NA	4. Is the commercial courier's packing slip attached to this form?
☑ Yes	☐ No		5. Were proper custody procedures (relinquished/received) followed?
☑ Yes	☐ No		6. Were sample IDs listed on the COC?
☑ Yes	☐ No		7. Were sample IDs listed on all sample containers?
☑ Yes	☐ No		8. Was collection date & time listed on the COC?
☑ Yes	☐ No		9. Was collection date & time listed on all sample containers?
☑ Yes	☐ No		10. Did all container label information (ID, date, time) agree with the COC?
☑ Yes	☐ No		11. Were tests to be performed listed on the COC?
☑ Yes	☐ No		12. Did all samples arrive in the proper containers for each test and/or in good condition (unbroken, lids on, etc.)?
☑ Yes	☐ No		13. Was adequate sample volume available?
☑ Yes	☐ No		14. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
☐ Yes	☑ No		15. Were any samples containers missing/excess (circle one) samples Not listed on COC?
☐ Yes	☐ No	☑ NA	16. For VOA and RSK-175 samples, were bubbles present >"pea-size" (¼"or 6mm in diameter) in any of the VOA vials?
☐ Yes	☐ No	☑ NA	17. Were all DRO/metals/nutrient samples received at a pH of < 2?
☐ Yes	☐ No	☑ NA	18. Were all cyanide samples received at a pH > 12 and sulfide samples received at a pH > 9?
☐ Yes	☐ No	☑ NA	19. Were all applicable NH_3/TKN/cyanide/phenol/625 (< 0.5mg/L) samples free of residual chlorine?
☑ Yes	☐ No	☐ NA	20. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc…) correctly transcribed from the COC into the comment section in LIMS?
☑ Yes	☐ No		21. Was the quote number listed on the container label? If yes, Quote # 21972

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s) NA were received incorrectly preserved and were adjusted accordingly in sample receiving with NA mL of circle one: H_2SO_4, HNO_3, HCl, NaOH using SR # NA.

Time of preservation NA. If more than one preservative is needed, please note in the comments below.

Sample(s) NA were received with bubbles >6 mm in diameter.

Samples(s) NA were received with TRC > 0.5 mg/L (If #19 is *no*) and were adjusted accordingly in sample receiving with sodium thiosulfate ($Na_2S_2O_3$) with Shealy ID: NA.

SR barcode labels applied by: ECC Date: 12/13/19

Comments:

ATTACHMENT A

Waste Disposal Documentation

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number:

2. Page 1 of: 1

3. Emergency Response Phone:

4. Waste Tracking Number:

GENERATOR

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

Generator's Site Address (if different than mailing address):

Generator's Phone: 843.288.6461

6. Transporter 1 Company Name: Enviro Smart Inc.

U.S. EPA ID Number:

7. Transporter 2 Company Name:

U.S. EPA ID Number:

8. Designated Facility Name and Site Address: WM Hickory Hill Landfill
2621 Low Country Drive
Ridgeland, SC 29936

~~U.S. EPA ID~~ Number: State 272401-1101

Facility's Phone: 843.548.6004

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Heating oil tanks filled with sand	1	DT	Est. 5	T	2.48 Ton
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
WM Profile: 1026555C
Beaufort County

Bill to: Enviro Smart Inc.
PO Box 20666
Charleston, SC 29413
MAS# 210-678

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Corey Jackson

Signature:

Month: 12 Day: 16 Year: 19

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Ryan Galloway

Signature:

Month: 12 Day: 16 Year: 19

Transporter 2 Printed/Typed Name:

Signature:

Month: Day: Year:

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number:

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: JoAnn Cofield

Signature: JoAnn Cofield

Month: 12 Day: 16 Year: 19

169-BLS-C 5 11979 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. Manifest Doc No.

2. Page 1 of 1

3. Generator's Mailing Address:
MCAS BEAUFORT
LAUREL BAY HOUSING
BEAUFORT, SC 29904
4. Generator's Phone 843-228-6461

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

A. Manifest Number 2019121701

B. State Generator's ID

5. Transporter 1 Company Name
Envirosmart Inc.

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

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

10. US EPA ID Number

G. State Facility ID 272401-1101

H. State Facility Phone 843-548-6004

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a HEATING OIL TANKS FILLED WITH SAND	1	DT	Est 2	T	
WM Profile # 102655SC	1	RT/TF	1.44	TON	
b.					
WM Profile #					
c.					
WM Profile #					
d.					
WM Profile #					

J. Additional Descriptions for Materials Listed Above

K. Disposal Location

Cell | Level

Grid

15. Special Handling Instructions and Additional Information
BEAUFORT COUNTY

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:
I hereby certify that the above-described materials are not hazardous wastes as defined by 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 Name	Signature "On behalf of"	Month	Day	Year
Corey Jackson		12	17	19

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Ryan Galloway		12	17	19

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

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

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

Printed Name	Signature	Month	Day	Year
JoAnn Coffield		12	17	19

Appendix C
Laboratory Analytical Reports - Groundwater

CDM - AECOM
Multimedia Joint Venture

Volatile Organic Compounds by GC/MS

Client: **AECOM - Resolution Consultants**
Laboratory ID: **QK11025-006**
Description: **BEALB316TW01WG20151110**
Matrix: **Aqueous**
Date Sampled: **11/10/2015 1045**
Date Received: **11/11/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	11/18/2015 1357	PAP		89908

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzene	71-43-2	8260B	0.45	U	5.0	0.45	0.21	ug/L	1
Ethylbenzene	100-41-4	8260B	0.51	U	5.0	0.51	0.21	ug/L	1
Naphthalene	91-20-3	8260B	0.96	U	5.0	0.96	0.14	ug/L	1
Toluene	108-88-3	8260B	0.48	U	5.0	0.48	0.24	ug/L	1
Xylenes (total)	1330-20-7	8260B	0.57	U	5.0	0.57	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		85	75-120
1,2-Dichloroethane-d4		95	70-120
Toluene-d8		120	85-120
Dibromofluoromethane		98	85-115

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

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Semivolatile Organic Compounds by GC/MS (SIM)

Client: **AECOM - Resolution Consultants**
Laboratory ID: **QK11025-006**
Description: **BEALB316TW01WG20151110**
Matrix: **Aqueous**
Date Sampled: **11/10/2015 1045**
Date Received: **11/11/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D (SIM)	1	11/18/2015 1158	RBH	11/13/2015 1646	89585

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzo(a)anthracene	56-55-3	8270D (SIM)	0.040	U	0.20	0.040	0.019	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D (SIM)	0.040	U	0.20	0.040	0.019	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D (SIM)	0.040	U	0.20	0.040	0.024	ug/L	1
Chrysene	218-01-9	8270D (SIM)	0.040	U	0.20	0.040	0.021	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D (SIM)	0.080	U	0.20	0.080	0.040	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Methylnaphthalene-d10		71	15-139
Fluoranthene-d10		85	23-154

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

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Volatile Organic Compounds by GC/MS

Client: **AECOM**
Laboratory ID: **VG22079-001**
Description: **BEALB316TW02WG20200721**
Matrix: **Aqueous**
Date Sampled: **07/21/2020 1320**
Date Received: **07/22/2020**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/30/2020 0032	DJG		61729

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzene	71-43-2	8260D	0.80	U	1.0	0.80	0.40	ug/L	1
Ethylbenzene	**100-41-4**	**8260D**	**0.57**	**J**	**1.0**	0.80	**0.40**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260D**	**1.3**		**1.0**	0.80	**0.40**	**ug/L**	**1**
Toluene	108-88-3	8260D	0.80	U	1.0	0.80	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	0.80	U	1.0	0.80	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		107	85-114
Dibromofluoromethane		103	80-119
1,2-Dichloroethane-d4		111	81-118
Toluene-d8		98	89-112

LOQ = Limit of Quantitation
U = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
LOD = Limit of Detection
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Pace Analytical Services, LLC *(formerly Shealy Environmental Services, Inc.)*
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

Semivolatile Organic Compounds by GC/MS

Client: **AECOM**
Laboratory ID: **VG22079-001**
Description: **BEALB316TW02WG20200721**
Matrix: **Aqueous**
Date Sampled: **07/21/2020 1320**
Date Received: **07/22/2020**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270E	1	08/07/2020 1529	SCD	07/28/2020 1300	61490

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

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		57	44-119
Nitrobenzene-d5		60	44-120
Terphenyl-d14		66	50-134

LOQ = Limit of Quantitation
U = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
LOD = Limit of Detection
DL = Detection Limit
J = Estimated result < LOQ and ≥ DL
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Pace Analytical Services, LLC *(formerly Shealy Environmental Services, Inc.)*
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

Appendix D
Regulatory Correspondence

CDM - AECOM
Multimedia Joint Venture

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

July 1, 2015

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

RE: 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 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 M. Krieg

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

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

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

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

Laurel Bay Underground Storage Tank Assessment Reports for: (97 addresses/110 tanks)

118 Banyan	343 Ash Tank 2
126 Banyan	344 Ash Tank 2
127 Banyan	347 Ash Tank 2
130 Banyan Tank 1	378 Aspen Tank 2
141 Laurel Bay	379 Aspen
151 Laurel Bay	382 Aspen Tank 1
224 Cypress	382 Aspen Tank 2
227 Cypress	394 Acorn Tank 2
256 Beech Tank 2	400 Elderberry
257 Beech Tank 1	432 Elderberry
257 Beech Tank 2	436 Elderberry
264 Beech	473 Dogwood Tank 2
265 Beech Tank 2	482 Laurel Bay
265 Beech Tank 3	517 Laurel Bay
275 Birch	586 Aster
277 Birch Tank 1	632 Dahlia
285 Birch	639 Dahlia Tank 2
292 Birch Tank 3	643 Dahlia Tank 1
297 Birch	644 Dahlia Tank 1
301 Ash	644 Dahlia Tank 2
306 Ash	646 Dahlia Tank 1
310 Ash Tank 1	646 Dahlia Tank 2
313 Ash	665 Camellia
315 Ash Tank 2	699 Abelia
316 Ash	744 Blue Bell
319 Ash	745 Blue Bell Tank 1
320 Ash	747 Blue Bell Tank 1
321 Ash	747 Blue Bell Tank 2
329 Ash	747 Blue Bell Tank 3
330 Ash Tank 2	749 Blue Bell Tank 1
331 Ash	749 Blue Bell Tank 2
332 Ash	751 Blue Bell
333 Ash	762 Althea
335 Ash Tank 1	765 Althea Tank 2
335 Ash Tank 2	766 Althea Tank 4
341 Ash	767 Althea Tank 1
342 Ash Tank 1	768 Althea Tank 2
342 Ash Tank 2	768 Althea Tank 3

Laurel Bay Underground Storage Tank Assessment Reports for: (98 addresses/110 tanks) cont.

768 Althea Tank 4	1067 Gardenia
769 Althea Tank 1	1077 Heather
769 Althea Tank 2	1081 Heather
775 Althea	1101 Iris Tank 2
819 Azalea	1104 Iris
840 Azalea	1105 Iris Tank 2
878 Cobia	1124 Iris Tank 2
891 Cobia	1142 Iris Tank 2
913 Barracuda	1146 Iris Tank 2
916 Barracuda	1218 Cardinal
923 Albacore	1240 Dove
1004 Bobwhite	1266 Dove
1022 Foxglove	1292 Eagle
1031 Foxglove	1299 Eagle Tank 1
1034 Foxglove Tank 2	1302 Eagle
1061 Gardenia Tank 3	1336 Albatross
1064 Gardenia	1351 Cardinal

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

June 8, 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-November and December 2015
Laurel Bay Military Housing Area Multiple Properties
Dated April 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 attached addresses on May 2, 2016. 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 15 stated addresses. For the remaining 80 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-November and December 2015
Specific Property Recommendations
Dated June 8, 2016

Draft Final Initial Groundwater Investigation Report for (95 addresses)

Permanent Monitoring Well Investigation recommendation (15 addresses)	
130 Banyan Drive	473 Dogwood Drive
256 Beech Street	747 Blue Bell Lane
285 Birch Drive	749 Blue Bell Lane
292 Birch Drive	775 Althea Street
330 Ash Street	1034 Foxglove Street
331 Ash Street	1104 Iris Lane
335 Ash Street	1124 Iris Lane
342 Ash Street	

No Further Action recommendation (80 addresses)	
118 Banyan Drive	644 Dahlia Drive
126 Banyan Drive	646 Dahlia Drive
127 Banyan Drive	665 Camellia Drive
141 Laurel Bay Blvd	699 Abelia Street
151 Laurel Bay Blvd	744 Blue Bell Lane
224 Cypress Street	745 Blue Bell Lane
227 Cypress Street	751 Blue Bell Lane
257 Beech Street	762 Althea Street
264 Beech Street	765 Althea Street
265 Beech Street	766 Althea Street
275 Birch Drive	767 Althea Street
277 Birch Drive	768 Althea Street
297 Birch Drive	769 Althea Street
301 Ash Street	819 Azalea Drive
306 Ash Street	840 Azalea Drive
310 Ash Street	878 Cobia Drive
313 Ash Street	891 Cobia Drive
315 Ash Street	913 Barracuda Drive
316 Ash Street	916 Barracuda Drive
319 Ash Street	923 Wren Lane
320 Ash Street	1004 Bobwhite Drive
321 Ash Street	1022 Foxglove Street
329 Ash Street	1031 Foxglove Street
332 Ash Street	1061 Gardenia Drive
333 Ash Street	1064 Gardenia Drive
341 Ash Street	1067 Gardenia Drive
347 Ash Street	1077 Heather Street
378 Aspen Street	1081 Heather Street
379 Aspen Street	1101 Iris Lane
382 Aspen Street	1105 Iris Lane
394 Acorn Street	1142 Iris Lane
400 Elderberry Drive	1146 Iris Lane
432 Elderberry Drive	1218 Cardinal Lane
436 Elderberry Drive	1240 Dove Lane
482 Laurel Bay Blvd	1266 Dove Lane
517 Laurel Bay Blvd	1292 Eagle Lane
586 Aster Street	1299 Eagle Lane
632 Dahlia Drive	1302 Eagle Lane
639 Dahlia Drive	1336 Albatross Drive
643 Dahlia Drive	1351 Cardinal Lane

March 19, 2020

Commanding Officer
Attention: NREAO Mr. Christopher L. Vaigneur
United States Marine Corps Air Station (MCAS)
Post Office Box 55001
Beaufort, SC 29904-5001

RE: Draft Final UST Removal Completion Report dated December 2019
Laurel Bay Military Housing Area

Dear Mr. Vaigneur,

The South Carolina Department of Health and Environmental Control (DHEC) received the above referenced report on February 10, 2020. 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). DHEC has reviewed the report. Based on this review, DHEC concurs with the following recommendations:

1. An NFA for both 138 West Laurel Bay Blvd (Tank 1) and 1137 Iris Lane (Tank 2) locations.
2. An IGWA for the 316 Ash Street (Tank 2) location since submitted analytical results indicate that petroleum constituents are above established Risk Based Screening Levels. DHEC requests that a groundwater sampling proposal be generated to determine if there has been an impact to groundwater at this tank location.

No change to this document is necessary and DHEC considers this report to be final.

Please note that DHEC's decision is based on information provided by MCAS to date. Any information found to be contradictory to this decision may require additional action. Furthermore, DHEC retains the right to request further investigation if deemed necessary. If you have any questions, please contact Kent Krieg at kriegkm@dhec.sc.gov or 803-898-0255.

Sincerely,

Lisa Appel, Project Manager
RCRA Federal Facilities Section
Division of Waste Management

cc: Bryan Beck, NAVFAC MIDLANT (via email)
Craig Ehde, NREAO (via email)
Shawn Dolan, Resolution Consultants (via email)
Reahnita Tuten, EQC Region 8 (via email)

Healthy People. Healthy Communities.

October 26, 2020

Commanding Officer
Attention: NREAO Mr. Christopher L. Vaigneur
United States Marine Corps Air Station
Post Office Box 55001
Beaufort, SC 29904-5001

RE: Approval Draft Final Technical Memo – Initial Groundwater Assessment July 2020
316 Ash Street, Laurel Bay Military Housing Area, Beaufort, SC
(CDM - AECOM Multimedia JV, dated January 2020)

Dear Mr. Vaigneur,

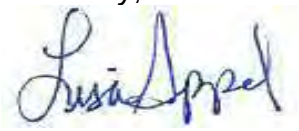
The South Carolina Department of Health and Environmental Control (DHEC) received the above referenced document on September 4, 2020. The regulatory authority for the investigation and cleanup of releases from these tank systems is the South Carolina Pollution Control Act (S.C. Code Ann. §48-1-10 et seq., as amended).

Based on its review, DHEC did not generate any comments and approves this document as Final. DHEC agrees with the recommendation of a no further action (NFA) for the following property:

- 316 Ash Street (new address - 157 Ash Street)

Please note that DHEC's comments/decisions are based on information provided by the Marine Corps Air Station (MCAS) to date. Any information found to be contradictory to this may require additional action. Furthermore, DHEC retains the right to request further investigation if it is deemed necessary. If you have any questions, please contact me at appellr@dhec.sc.gov or 803-898-0366.

Sincerely,



Lisa Appel, Project Manager
RCRA Federal Facilities Section
Division of Waste Management

cc: Bryan Beck, NAVFAC MIDLANT (via email)
Craig Ehde, NREAO (via email)
Shawn Dolan, AECOM (via email)
Reahnita Tuten, EQC Region 8 (via email)