SUMMARY REPORT
159 ACORN DRIVE (FORMERLY 392 ACORN DRIVE)
LAUREL BAY MILITARY HOUSING AREA
MARINE CORPS AIR STATION BEAUFORT
BEAUFORT, SC

Revision: 0
Prepared for:

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

and

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

JUNE 2021

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Prepared by:

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

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

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Appendices

List of Acronyms

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

1.0 INTRODUCTION

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

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

This report summarizes the results the environmental investigation activities associated with the storage of home heating oil and the potential release of petroleum constituents at the referenced property. Based on the results of the investigation, a No Further Action (NFA) determination has been made by the South Carolina Department of Health and Environmental Control (SCDHEC) for 159 Acorn Drive (Formerly 392 Acorn Drive). This NFA determination indicates that there are no unacceptable risks to human health or the environment for the petroleum constituents associated with the home heating oil USTs. The following information is included in this report:

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

1.1 Background Information

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

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

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

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

1.2 UST Removal and Assessment Process

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

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

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

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

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

2.0 SAMPLING ACTIVITIES AND RESULTS

The following section presents the sampling activities and associated results for 159 Acorn Drive (Formerly 392 Acorn Drive). Details regarding the soil investigation at this site are provided in the *SCDHEC UST Assessment Report – 392 Acorn Drive* (MCAS Beaufort, 2008) and *SCDHEC UST Assessment Report – 392 Acorn Drive* (MCAS Beaufort, 2012). 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 – May and June 2015* (Resolution Consultants, 2015). The laboratory report that include the pertinent IGWA analytical results for this site are presented in Appendix C.

2.1 UST Removal and Soil Sampling

In June 2007 and October 2011, two 280 gallon heating oil USTs were removed at 159 Acorn Drive (Formerly 392 Acorn Drive). Tank 1 was removed on June 22, 2007 from underneath the concrete driveway adjacent to the garage. Tank 2 was removed on October 12, 2011 from

underneath the front concrete sidewalk adjacent to the front concrete porch. The former UST locations are indicated on the figures of the UST Assessment Reports (Appendix B). The USTs were removed, cleaned, and shipped offsite for recycling. There was no visual evidence (i.e., staining or sheen) of petroleum impact at the time of the UST removal. According to the UST Assessment Reports (Appendix B), the depths to the base of the USTs were 5'2" (Tank 1) and 4'7" (Tank 2) bgs and a single soil sample was collected from that depth. An additional soil sample was collected from the side of the excavation at a depth of 3'8" (Tank 1). The samples were collected from the fill port side of the former USTs to represent a worst case scenario.

Following UST removal, a soil sample was collected from the base of each excavation and the side in the excavation for Tank 1 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 are 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 159 Acorn Drive (Formerly 392 Acorn Drive) were greater than the SCDHEC RBSLs, which indicated further investigation was required. In letters dated September 10, 2008 and May 15, 2014 regarding Tank 1 and Tank 2, respectively, SCDHEC requested IGWAs be conducted at the former UST locations at 159 Acorn Drive (Formerly 392 Acorn Drive) to determine if the groundwater was impacted by petroleum COPCs. SCDHEC's request letters are provided in Appendix D.

2.3 Groundwater Sampling

On July 29, 2008 and May 21, 2015, temporary monitoring wells were installed at 159 Acorn Drive (Formerly 392 Acorn Drive), in accordance with the South Carolina Well Standards and Regulations (R.61-71.H-I, updated June 24, 2016). In order to provide data that can be used

to determine whether COPCs are migrating to underlying groundwater, the monitoring wells were placed in the same general location as the former heating oil USTs (Tanks 1 and 2). The former UST locations are indicated on the figures of the UST Assessment Reports (Appendix B). Further details are provided in the *Initial Groundwater Investigation Report – May and June 2015* (Resolution Consultants, 2015).

The sampling strategy for this phase of the investigation required a one-time sampling event of the temporarily installed monitoring well. 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 well was 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 – May and June 2015* (Resolution Consultants, 2015).

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 report is included in Appendix C.

The groundwater results collected from 159 Acorn Drive (Formerly 392 Acorn Drive) 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 UST 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 159 Acorn Drive (Formerly 392 Acorn Drive). This NFA determination was obtained in a letter dated February 22, 2016. SCDHEC's NFA letter is provided in Appendix D.

4.0 REFERENCES

Marine Corps Air Station Beaufort, 2008. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 392 Acorn Drive, Laurel Bay Military Housing Area*, 2008.

Marine Corps Air Station Beaufort, 2012. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 392 Acorn Drive, Laurel Bay Military Housing Area*, February 2012.

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

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
159 Acorn Drive (Formerly 392 Acorn Drive)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs [1]	Results Sample Collected 06/22/07 and 10/12/11		
		392 Acorn Bottom 01 6/22/07	392 Acorn Side 02 6/22/07	392 Acorn 10/12/11
Volatile Organic Compounds Analyzed by EPA Method 8260B (mg/kg)				
Benzene	0.003	**0.0106**	**0.0141**	ND
Ethylbenzene	1.15	**0.07**	**0.208**	**0.0321**
Naphthalene	0.036	**2.17**	**3.82**	**1.04**
Toluene	0.627	ND	**0.0334**	**0.00136**
Xylenes, Total	13.01	ND	**0.0201**	**0.00316**
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (mg/kg)				
Benzo(a)anthracene	0.66	**1.24**	**6.19**	ND
Benzo(b)fluoranthene	0.66	**0.717**	**2.89**	ND
Benzo(k)fluoranthene	0.66	**0.568**	**2.9**	ND
Chrysene	0.66	**1.3**	**0.62**	ND
Dibenz(a,h)anthracene	0.66	**0.0769**	**0.362**	ND

Notes:

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

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
159 Acorn Drive (Formerly 392 Acorn Drive)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs [1]	Site-Specific Groundwater VISLs (µg/L)[2]	Results Samples Collected 07/29/08 and 05/21/15		
			392 Acorn A 07/29/08	392 Acorn E 07/29/08	392 Acorn Drive 05/21/15
Volatile Organic Compounds Analyzed by EPA Method 8260B (µg/L)					
Benzene	5	16.24	ND	ND	ND
Ethylbenzene	700	45.95	ND	ND	ND
Naphthalene	25	29.33	ND	ND	ND
Toluene	1000	105,445	ND	**1.1**	ND
Xylenes, Total	10,000	2,133	ND	ND	ND
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (µg/L)					
Benzo(a)anthracene	10	NA	ND	ND	ND
Benzo(b)fluoranthene	10	NA	ND	ND	ND
Benzo(k)fluoranthene	10	NA	ND	ND	ND
Chrysene	10	NA	ND	ND	ND
Dibenz(a,h)anthracene	10	NA	ND	ND	ND

Notes:

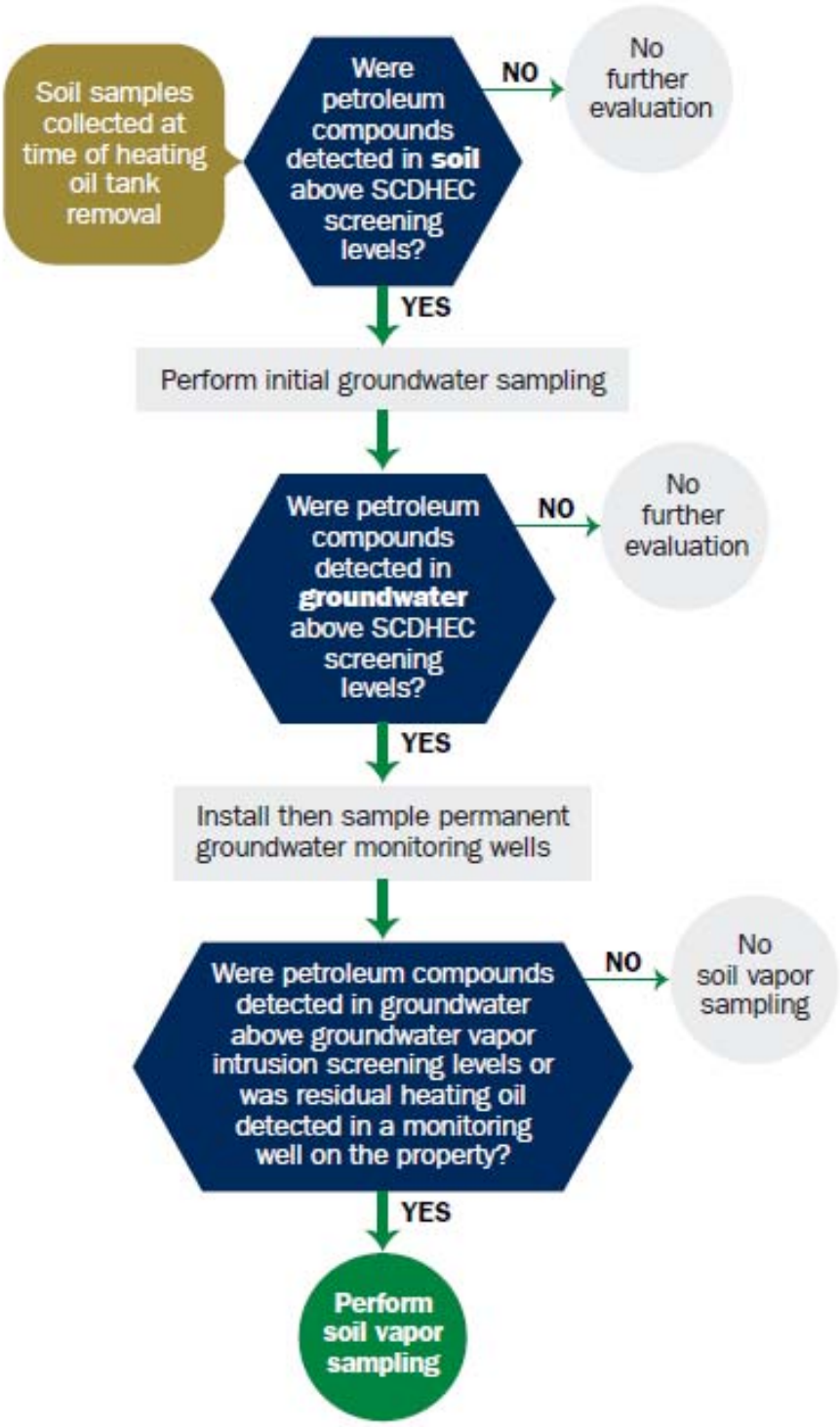
[1] South Carolina Risk-Based Screening Levels from the Quality Assurance Program Plan for the Underground Storage Tank Management Division, Revision 3.1 (SCDHEC, February 2016).

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

Bold font indicates the analyte was detected.
Bold font and shading indicates the concentration exceeds the SCDHEC RBSL and/or the Site-Specific Groundwater VISL.
EPA - United States Environmental Protection Agency
JE - Johnson & Ettinger
NA - Not Applicable
ND - not detected at the reporting limit (or method detection limit if shown on the laboratory report). The groundwater laboratory report is provided in Appendix 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

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) 896-6240

I. OWNERSHIP OF UST (S)

Beaufort Military Complex Family Housing
Owner Name (Corporation, Individual, Public Agency, Other)

1510 Laurel Bay Blvd.
Mailing Address

Beaufort | SC | 29906
City | State | Zip Code

843 | 379-3305 | Kyle Broadfoot
Area Code | Telephone Number | Contact Person

II. SITE IDENTIFICATION AND LOCATION

N/A
Permit I.D. #

Actus Lend Lease Construction
Facility Name or Company Site Identifier

~~1510 Laurel Bay Blvd~~ 392 Acorn
Street Address or State Road (as applicable)

Beaufort, SC 29906 | Beaufort
City | ZIP | County

Attachment 2

III. INSURANCE INFORMATION

Insurance Statement

The petroleum release reported to DHEC on N/A at Permit ID # 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.

And

I **do/do not** (circle one) wish to participate in the Superb Program.

IV. CERTIFICATION (To be signed by the UST owner/operator.)

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

V. UST INFORMATION

	Tank 1	Tank 2	Tank 3	Tank 4	Tank 5	Tank 6
A. Product...(ex. Gas, Kerosene).....	#2 DIESEL					
B. Capacity..(ex. 1k, 2k)..... (APPROX)	280G					
C. Age.....						
D. Construction Material..(ex. Steel, FRP).....	Steel					
E. Month/Year of Last Use.....						
F. Depth (ft.) To Base of Tank.....	62"					
G. Spill Prevention Equipment Y/N.....	N					
H. Overfill Prevention Equipment Y/N.....	N					
I. Method of Closure (Removed/Filled).....	Removed					
J. Date Tanks Removed/Filled.....	6-22-07					
K. Visible Corrosion or Pitting Y/N.....	N					
L. Visible Holes Y/N.....	N					

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

Recycling - Scrap Steel

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

TREATMENT FACILITY - BROADHURST LANDFILL

SOLIDIFICATION AND SUBTITLE D LANDFILL

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

VI. PIPING INFORMATION

	Tank 1	Tank 2	Tank 3	Tank 4	Tank 5	Tank 6
A. Construction Material..(ex. Steel, FRP).....	Steel					
B. Distance from UST to Dispenser.....	N/A					
C. Number of Dispensers.....	-0-					
D. Type of System Pressure or Suction.....	Electric Pump					
E. Was Piping Removed from the Ground? Y/N	Y					
F. Visible Corrosion or Pitting Y/N.....	N					
G. Visible Holes Y/N.....	N					
H. Age.....						

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

MILD PITTING AND CORROSION VISIBLE

VII. BRIEF SITE DESCRIPTION AND HISTORY

HOME HEATING OIL TANK - RESIDENTIAL

VIII. 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	

IX. MPLE INFORMATION

A.

SCDHEC Lab Certification Number DW: 84009002

B.

Sample #	Location	Sample Type (Soil/Water)	Soil Type (Sand/Clay)	Depth*	Date/Time of Collection	Collected by	OVA #
1	BOTTOM	S	SAND	62"	6-22-07 1430	ECHEVARRIA	
2	SIDE	S	SAND	44"	6-22-07 1440	[illegible]	ND
3						[illegible]	ND
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

* = Depth Below the Surrounding Land Surface

X.

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.

EPA Method 8260 B Volatile Organic Compounds
- Preservative: 2 ea Sodium Bisulfate 1 ea
EPA Method 8270 Poly Aromatic Hydrocarbons
- No Preservative

One (1) Sidewall and One (1) Bottom Sample were secured from tank excavation Samples were stored and shipped in an insulated cooler w/ ice.

XI. RECEPTORS

	Yes	No
A. Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the UST system? If yes, indicate type of receptor, distance, and direction on site map.		X
B. Are there any public, private, or irrigation water supply wells within 1000 feet of the UST system? If yes, indicate type of well, distance, and direction on site map.		✓
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.		✓
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? If yes, indicate the type of utility, distance, and direction on the site map.		✓
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.		✓

SUMMARY OF ANALYSIS RESULTS N/A

Enter the soil analytical data for each soil boring for all COC in the table below and on the following page.

CoC	SB-1	SB-2	SB-3	SB-4	SB-5	SB-6	SB-7	SB-8
Benzene								
Toluene								
Ethylbenzene								
Xylenes								
Naphthalene								
Benzo(a)anthracene								
Benzo(b)flouranthene								
Benzo(k)flouranthene								
Chrysene								
Dibenz(a,h)anthracene								
TPH (EPA 3550)								

CoC	SB-9	SB-10	SB-11	SB-12	SB-13	SB-14	SB-15	SB-16
Benzene								
Toluene								
Ethylbenzene								
Xylenes								
Naphthalene								
Benzo(a)anthracene								
Benzo(b)flouranthene								
Benzo(k)flouranthene								
Chrysene								
Dibenz(a,h)anthracene								
TPH (EPA 3550)								

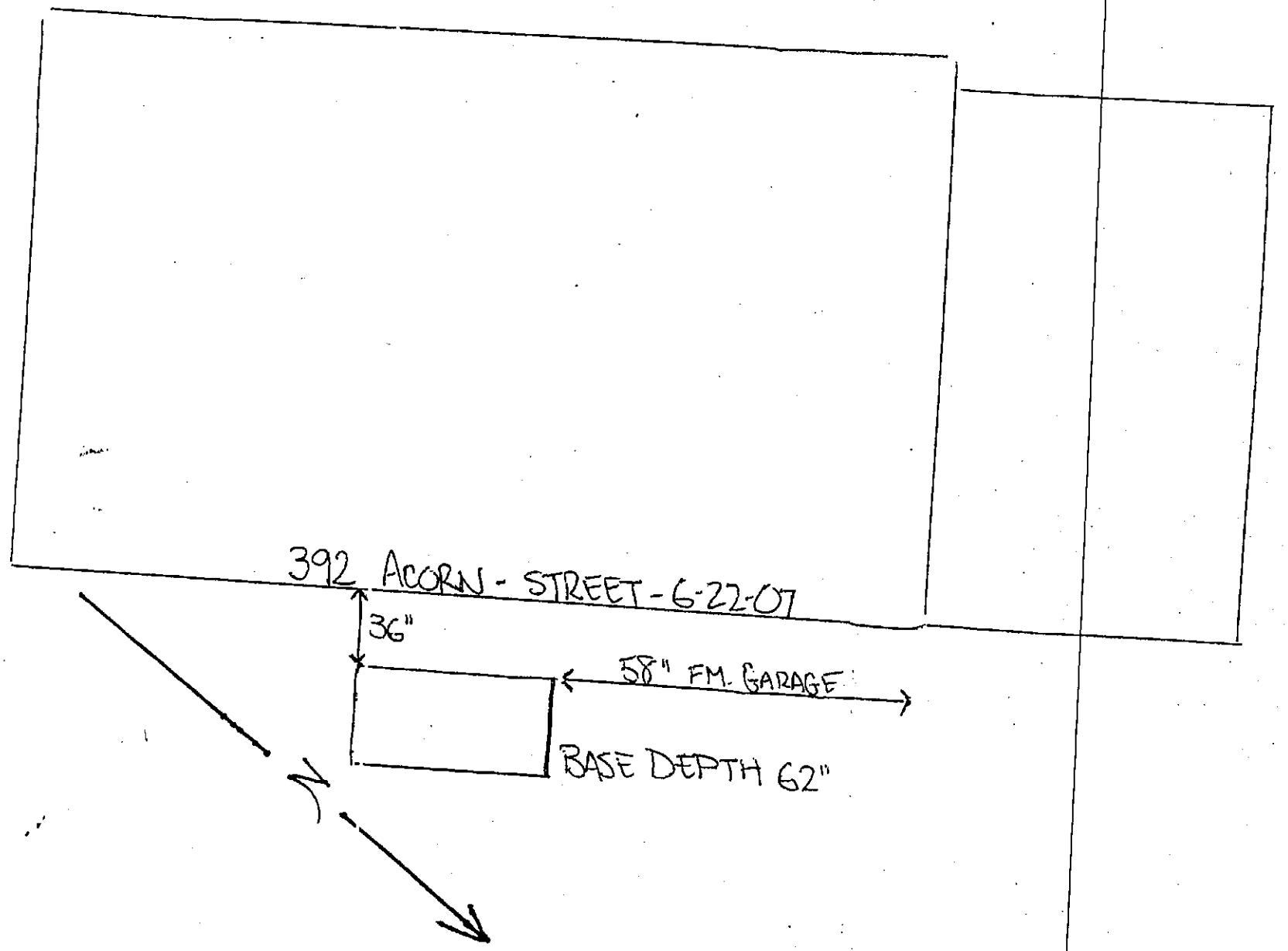
SUMMARY OF ANALYSIS RESULTS (cont'd) N/A

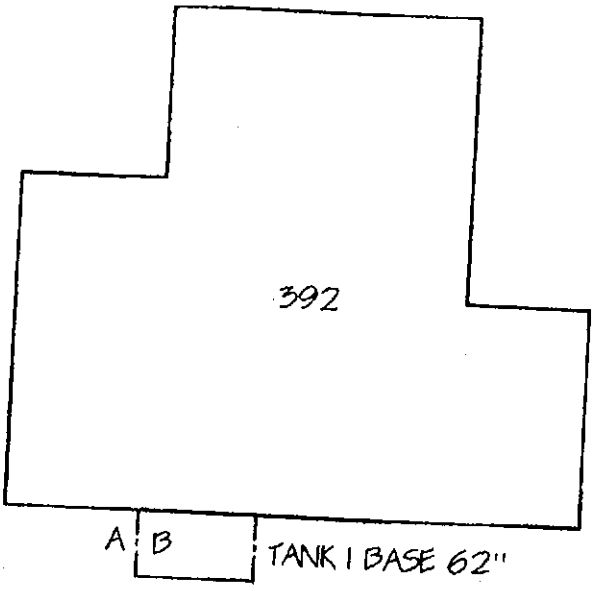
Enter the ground water analytical data for each sample for all CoC in the table below. If free product is present, indicate the measured thickness to the nearest 0.01 feet.

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	.05				
Lead	Site specific				


392 Acorn
06.22.2007 15:10


392 A
06/22/2007 15:10


392 ACORN - STREET - 6-22-07
36"
58" FM. GARAGE
BASE DEPTH 62"



ACORN DRIVE

TANK I EXCAVATION

A-SOIL TEST SIDE SAMPLE @ 50"
B-SOIL TEST BOTTOM SAMPLE @ 62"

N

CUSTOMER: BEAUFORT MILITARY COMPLEX FAMILY HOUSING	SCALE: 1/16"=1'-0"	EPG INC.
SITE ADDRESS: 392 ACORN DRIVE	SUPPLIER: EPG INC.	P.O. BOX 1096
	DATE: 9/27/2007	MOUNT PLEASANT, SC 29465-1096

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
ANALYTICAL TESTING CORPORATION
4310 East Anderson Road Orlando, FL 32812 * 800-851-2560 * Fax 407-856-0886

Client: EPG, INC.
PO BOX 1096
MT PLEASANT, SC 29465
Attn: JOHN MAHONEY

Work Order: OQF0493
Project: LAUREL BAY
Project Number: EP2362

Sampled: 06/19/07-06/22/07
Received: 06/27/07

LABORATORY REPORT

Sample ID: 299 BIRCH-SIDE 04 - Lab Number: OQF0493-14 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
olynuclear Aromatic Hydrocarbons by EPA Method 8270											
3-32-9	Acenaphthene	2590		ug/kg dry	97.1	219	1	06/29/07 22:31	REM	EPA 8270C	7F28007
08-96-8	Acenaphthylene	128	U	ug/kg dry	128	219	1	06/29/07 22:31	REM	EPA 8270C	7F28007
20-12-7	Anthracene	1110		ug/kg dry	69.9	219	1	06/29/07 22:31	REM	EPA 8270C	7F28007
6-55-3	Benzo (a) anthracene	2080		ug/kg dry	23.7	219	1	06/29/07 22:31	REM	EPA 8270C	7F28007
05-99-2	Benzo (b) fluoranthene	1230		ug/kg dry	23.1	219	1	06/29/07 22:31	REM	EPA 8270C	7F28007
07-08-9	Benzo (k) fluoranthene	1300		ug/kg dry	23.1	219	1	06/29/07 22:31	REM	EPA 8270C	7F28007
91-24-2	Benzo (g,h,i) perylene	306		ug/kg dry	22.7	219	1	06/29/07 22:31	REM	EPA 8270C	7F28007
6-32-8	Benzo (a) pyrene	1090		ug/kg dry	27.0	219	1	06/29/07 22:31	REM	EPA 8270C	7F28007
6-12-0	1-Methylnaphthalene	27000		ug/kg dry	1100	2190	10	07/02/07 22:56	REM	EPA 8270C	7F28007
8-01-9	Chrysene	2650		ug/kg dry	26.2	219	1	06/29/07 22:31	REM	EPA 8270C	7F28007
-70-3	Dibenz (a,h) anthracene	130	I	ug/kg dry	28.8	219	1	06/29/07 22:31	REM	EPA 8270C	7F28007
6-44-0	Fluoranthene	6940		ug/kg dry	31.5	219	1	06/29/07 22:31	REM	EPA 8270C	7F28007
-73-7	Fluorene	3560		ug/kg dry	85.7	219	1	06/29/07 22:31	REM	EPA 8270C	7F28007
3-39-5	Indeno (1,2,3-cd) pyrene	342		ug/kg dry	28.4	219	1	06/29/07 22:31	REM	EPA 8270C	7F28007
-57-6	2-Methylnaphthalene	41300		ug/kg dry	934	2190	10	07/02/07 22:56	REM	EPA 8270C	7F28007
-20-3	Naphthalene	4150		ug/kg dry	88.0	219	1	06/29/07 22:31	REM	EPA 8270C	7F28007
-01-8	Phenanthrene	8000		ug/kg dry	51.7	219	1	06/29/07 22:31	REM	EPA 8270C	7F28007
0-00-0	Pyrene	5540		ug/kg dry	44.5	219	1	06/29/07 22:31	REM	EPA 8270C	7F28007
rogate: 2-Fluorobiphenyl (24-121%)		*93 %*									
rogate: Nitrobenzene-d5 (19-111%)		*88 %*									
rogate: Terphenyl-d14 (44-171%)		*103 %*									

LABORATORY REPORT

Sample ID: 392 ACORN BOTTOM 01 - Lab Number: OQF0493-15 - Matrix: Solid/Soil

S #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
neral Chemistry Parameters											
	% Solids	81.5		%.	0.100	0.100	1	06/28/07 18:30	RRP	EPA 160.3	7F28050
atile Organic Compounds by EPA Method 8260B											
3-2	Benzene	10.6	U	ug/kg dry	10.6	28.9	50	06/29/07 12:13	JLS	EPA 8260B	7F27039
41-4	Ethylbenzene	70.0		ug/kg dry	12.2	28.9	50	06/29/07 12:13	JLS	EPA 8260B	7F27039
1-3	Naphthalene	2170		ug/kg dry	16.0	28.9	50	06/29/07 12:13	JLS	EPA 8260B	7F27039
8-3	Toluene	25.0	U	ug/kg dry	25.0	28.9	50	06/29/07 12:13	JLS	EPA 8260B	7F27039
20-7	Xylenes, total	19.7	I	ug/kg dry	15.0	28.9	50	06/29/07 12:13	JLS	EPA 8260B	7F27039
gate: 1,2-Dichloroethane-d4 (73-137%)		*85 %*									
gate: 4-Bromofluorobenzene (59-118%)		*101 %*									
ate: Dibromofluoromethane (55-145%)		*95 %*									
ate: Toluene-d8 (80-117%)		*96 %*									
nuclear Aromatic Hydrocarbons by EPA Method 8270											
9	Acenaphthene	299		ug/kg dry	90.8	205	1	06/29/07 22:53	REM	EPA 8270C	7F28007
-8	Acenaphthylene	120	U	ug/kg dry	120	205	1	06/29/07 22:53	REM	EPA 8270C	7F28007
-7	Anthracene	540		ug/kg dry	65.3	205	1	06/29/07 22:53	REM	EPA 8270C	7F28007

TestAmerica - Orlando, FL
Enid Ortiz For Shali Brown
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
4310 East Anderson Road Orlando, FL 32812 * 800-851-2560 * Fax 407-856-0886

Client: EPG, INC.
PO BOX 1096
MT PLEASANT, SC 29465
Attn: JOHN MAHONEY

Work Order: OQF0493
Project: LAUREL BAY
Project Number: EP2362

Sampled: 06/19/07-06/22/07
Received: 06/27/07

LABORATORY REPORT
Sample ID: 392 ACORN BOTTOM 01 - Lab Number: OQF0493-15 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
olynuclear Aromatic Hydrocarbons by EPA Method 8270 - Cont.											
i-55-3	Benzo (a) anthracene	1240		ug/kg dry	22.2	205	1	06/29/07 22:53	REM	EPA 8270C	7F28007
05-99-2	Benzo (b) fluoranthene	717		ug/kg dry	21.6	205	1	06/29/07 22:53	REM	EPA 8270C	7F28007
07-08-9	Benzo (k) fluoranthene	568		ug/kg dry	21.6	205	1	06/29/07 22:53	REM	EPA 8270C	7F28007
01-24-2	Benzo (g,h,i) perylene	188	I	ug/kg dry	21.3	205	1	06/29/07 22:53	REM	EPA 8270C	7F28007
-32-8	Benzo (a) pyrene	551		ug/kg dry	25.2	205	1	06/29/07 22:53	REM	EPA 8270C	7F28007
-12-0	1-Methylnaphthalene	1510		ug/kg dry	103	205	1	06/29/07 22:53	REM	EPA 8270C	7F28007
8-01-9	Chrysene	1300		ug/kg dry	24.5	205	1	06/29/07 22:53	REM	EPA 8270C	7F28007
-70-3	Dibenz (a,h) anthracene	76.9	I	ug/kg dry	26.9	205	1	06/29/07 22:53	REM	EPA 8270C	7F28007
6-44-0	Fluoranthene	2760		ug/kg dry	29.5	205	1	06/29/07 22:53	REM	EPA 8270C	7F28007
-73-7	Fluorene	80.2	U	ug/kg dry	80.2	205	1	06/29/07 22:53	REM	EPA 8270C	7F28007
3-39-5	Indeno (1,2,3-cd) pyrene	197	I	ug/kg dry	26.5	205	1	06/29/07 22:53	REM	EPA 8270C	7F28007
-57-6	2-Methylnaphthalene	1510		ug/kg dry	87.4	205	1	06/29/07 22:53	REM	EPA 8270C	7F28007
-20-3	Naphthalene	82.3	U	ug/kg dry	82.3	205	1	06/29/07 22:53	REM	EPA 8270C	7F28007
01-8	Phenanthrene	2300		ug/kg dry	48.3	205	1	06/29/07 22:53	REM	EPA 8270C	7F28007
0-00-0	Pyrene	2420		ug/kg dry	41.6	205	1	06/29/07 22:53	REM	EPA 8270C	7F28007
rogate: 2-Fluorobiphenyl (24-121%)		*70 %*									
rogate: Nitrobenzene-d5 (19-111%)		*66 %*									
rogate: Terphenyl-d14 (44-171%)		*98 %*									

LABORATORY REPORT
Sample ID: 392 ACORN SIDE 02 - Lab Number: OQF0493-16 - Matrix: Solid/Soil

AS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
neral Chemistry Parameters											
	% Solids	84.5		%.	0.100	0.100	1	06/28/07 18:30	RRP	EPA 160.3	7F28051
latile Organic Compounds by EPA Method 8260B											
43-2	Benzene	14.1	U	ug/kg dry	14.1	38.6	50	06/29/07 12:29	JLS	EPA 8260B	7F27039
-41-4	Ethylbenzene	208		ug/kg dry	16.3	38.6	50	06/29/07 12:29	JLS	EPA 8260B	7F27039
10-3	Naphthalene	3820		ug/kg dry	21.3	38.6	50	06/29/07 12:29	JLS	EPA 8260B	7F27039
88-3	Toluene	33.4	U	ug/kg dry	33.4	38.6	50	06/29/07 12:29	JLS	EPA 8260B	7F27039
1-20-7	Xylenes, total	20.1	U	ug/kg dry	20.1	38.6	50	06/29/07 12:29	JLS	EPA 8260B	7F27039
ogate: 1,2-Dichloroethane-d4 (73-137%)		*87 %*									
ogate: 4-Bromofluorobenzene (59-118%)		*96 %*									
ogate: Dibromofluoromethane (55-145%)		*95 %*									
ogate: Toluene-d8 (80-117%)		*98 %*									
nuclear Aromatic Hydrocarbons by EPA Method 8270											
1-9	Acenaphthene	886		ug/kg dry	87.6	198	1	06/29/07 23:14	REM	EPA 8270C	7F28007
6-8	Acenaphthylene	116	U	ug/kg dry	116	198	1	06/29/07 23:14	REM	EPA 8270C	7F28007
2-7	Anthracene	1900		ug/kg dry	63.0	198	1	06/29/07 23:14	REM	EPA 8270C	7F28007
-3	Benzo (a) anthracene	6190		ug/kg dry	21.4	198	1	06/29/07 23:14	REM	EPA 8270C	7F28007
9-2	Benzo (b) fluoranthene	2890		ug/kg dry	20.8	198	1	06/29/07 23:14	REM	EPA 8270C	7F28007
8-9	Benzo (k) fluoranthene	2900		ug/kg dry	20.8	198	1	06/29/07 23:14	REM	EPA 8270C	7F28007

TestAmerica - Orlando, FL
Enid Ortiz For Shali Brown
Project Manager

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Client: EPG, INC.
PO BOX 1096
MT PLEASANT, SC 29465
Attn: JOHN MAHONEY

Work Order: OQF0493
Project: LAUREL BAY
Project Number: EP2362

Sampled: 06/19/07-06/22/07
Received: 06/27/07

LABORATORY REPORT

Sample ID: 392 ACORN SIDE 02 - Lab Number: OQF0493-16 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
olynuclear Aromatic Hydrocarbons by EPA Method 8270 - Cont.											
1-24-2	**Benzo (g,h,i) perylene**	**814**		ug/kg dry	20.5	198	1	06/29/07 23:14	REM	EPA 8270C	7F28007
-32-8	**Benzo (a) pyrene**	**2570**		ug/kg dry	24.3	198	1	06/29/07 23:14	REM	EPA 8270C	7F28007
-12-0	**1-Methylnaphthalene**	**3470**		ug/kg dry	99.2	198	1	06/29/07 23:14	REM	EPA 8270C	7F28007
8-01-9	**Chrysene**	**6200**		ug/kg dry	23.6	198	1	06/29/07 23:14	REM	EPA 8270C	7F28007
-70-3	**Dibenz (a,h) anthracene**	**362**		ug/kg dry	25.9	198	1	06/29/07 23:14	REM	EPA 8270C	7F28007
6-44-0	**Fluoranthene**	**14400**		ug/kg dry	284	1980	10	07/02/07 23:18	REM	EPA 8270C	7F28007
-73-7	**Fluorene**	**2570**		ug/kg dry	77.3	198	1	06/29/07 23:14	REM	EPA 8270C	7F28007
3-39-5	**Indeno (1,2,3-cd) pyrene**	**884**		ug/kg dry	25.6	198	1	06/29/07 23:14	REM	EPA 8270C	7F28007
-57-6	**2-Methylnaphthalene**	**5130**		ug/kg dry	84.3	198	1	06/29/07 23:14	REM	EPA 8270C	7F28007
-20-3	**Naphthalene**	**1250**		ug/kg dry	79.4	198	1	06/29/07 23:14	REM	EPA 8270C	7F28007
01-8	**Phenanthrene**	**6630**		ug/kg dry	46.6	198	1	06/29/07 23:14	REM	EPA 8270C	7F28007
)-00-0	**Pyrene**	**12300**		ug/kg dry	401	1980	10	07/02/07 23:18	REM	EPA 8270C	7F28007
rogate: 2-Fluorobiphenyl (24-121%)		*102 %*									
rogate: Nitrobenzene-d5 (19-111%)		*97 %*									
ogate: Terphenyl-d14 (44-171%)		*116 %*									

stAmerica - Orlando, FL
id Ortiz For Shali Brown
)ject Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

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

Client Name: EPS Client #: 2411
Address:
City/State/Zip Code:
Project Manager: JOHN MAHONEY
Telephone Number: Fax:
Sampler Name: (Print Name) CHRIS ECHEVARRIA
Sampler Signature:

Project Name: LAUREL BAY
Project #: EP 2362
Site/Location ID: State:
Report To:
Invoice To:
Quote #: PO#:

TAT: X Standard; ___ Rush (surcharges may apply)
Date Needed: ____
Fax Results: Y N

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix: SL - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify Other	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: BTEX + NAPTH-SIM	PAH 8270	QC Deliverables	REMARKS
281 BIRCH-BOTTOM 01	6-19-07	1400	G							1	2	2	X	X		01
281 BIRCH-SIDE 02	6-19-07	1400	C							1	2	2	X	X		02
281 BIRCH-BOTTOM 03	6-19-07	1410	G							1	2	2	X	X		03
281 BIRCH-SIDE 04	6-19-07	1410	C							1	2	2	X	X		04
283 BIRCH BOTTOM 01	6-20-07	1150	G							1	2	2	X	X		05
283 BIRCH SIDE 02	6-20-07	1140	C							1	2	2	X	X		06
293 BIRCH BOTTOM 01	6-21-07	940	G							1	2	2	X	X		07
293 BIRCH SIDE 02	6-21-07	940	C							1	2	2	X	X		08
293 BIRCH BOTTOM 03	6-21-07	1000	G							1	2	2	X	X		09
293 BIRCH SIDE 04	6-21-07	1000	C							1	2	2	X	X		10

Special Instructions:

	Date	Time		Date	Time
Relinquished By:	6/26/07	1205	Received By:	6/26/07	1205
Relinquished By:	6/26/07	1730	Received By:	6/27	9:50
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp: 6.0
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment: 8623 2591 1107 FedEx to TA-Orlando

TestAmerica
ANALYTICAL TESTING CORPORATION

Client Name: EPG
Address:
City/State/Zip Code:
Project Manager: JOHN MAHONEY
Telephone Number:
Fax:
Sampler Name: (Print Name) CHRIS ECHEVARRIA
Sampler Signature:
Client #: 2411

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

Project Name: LAUREL BAY
Project #: EP 2362
Site/Location ID:
State:
Report To:
Invoice To:
Quote #:
PO#:

TAT: X Standard / Rush (surcharges may apply)
Date Needed:
Fax Results: Y N

Matrix: SL - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify Other

Analyze For: BTEX + NAPTH 8260; PAH 8270

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix	HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	BTEX + NAPTH 8260	PAH 8270	REMARKS
299 BIRCH BOTTOM 01	6-22-07	930	G							1	2	2	X	X	11
299 BIRCH SIDE 02	6-22-07	940	C							1	2	2	X	X	12
299 BIRCH BOTTOM 03	6-22-07	1040	G							1	2	2	X	X	13
299 BIRCH SIDE 04	6-22-07	1100	C							1	2	2	X	X	14
392 ACORN BOTTOM 01	6-22-07	1430	G							1	2	2	X	X	15
392 ACORN SIDE 02	6-22-07	1440	C							1	2	2	X	X	16

QC Deliverables: None; X Level 2 (Batch QC); Level 3; Level 4; Other:

Special Instructions:

Relinquished By:	Date: 6/22/07	Time: 12:05	Received By:	Date: 6/22/07	Time: 1205
Relinquished By:	Date: 6/22/07	Time: 1730	Received By:	Date: 6/27	Time: 9:30
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp: 6.0
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
0623 2591 1107
Method of Shipment: FedEx to TA-Orlando

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

392 Acorn Drive, Laurel Bay Military Housing Area
Street Address or State Road (as applicable)

Beaufort,	Beaufort
City	County

Attachment 2

III. INSURANCE INFORMATION

Insurance Statement

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

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

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

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

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

IV. REQUEST FOR SUPERB FUNDING

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

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

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

_____
Name (Type or print.)

_____
Signature

To be completed by Notary Public:

Sworn before me this _____ day of_____, 20____

_____
(Name)

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

VI. UST INFORMATION

A.	Product...(ex. Gas, Kerosene).....	392Acorn	
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 80s	
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.....	10/12/2011	
L.	Visible Holes Y/N.....	Yes	
		Yes	

M. Method of disposal for any USTs removed from the ground (attach disposal manifests)
UST 392Acorn 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 392Acorn was previously filled with sand by others.

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

VII. PIPING INFORMATION

A.	Construction Material..(ex. Steel, FRP).....	392Acorn	
B.	Distance from UST to Dispenser.....	Steel & Copper	
C.	Number of Dispensers.....	N/A	
D.	Type of System Pressure or Suction.....	N/A	
E.	Was Piping Removed from the Ground? Y/N	Suction	
F.	Visible Corrosion or Pitting Y/N.....	No	
G.	Visible Holes Y/N.....	Yes	
H.	Age.....	No	
		Late 1950s	

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

The steel vent pipe was corroded and pitted. The copper supply and return piping was 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? *Slight odor in excavation 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 #
392 Acorn	Excav at fill end	Soil	Sandy	4'7"	10/12/11 1215 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.

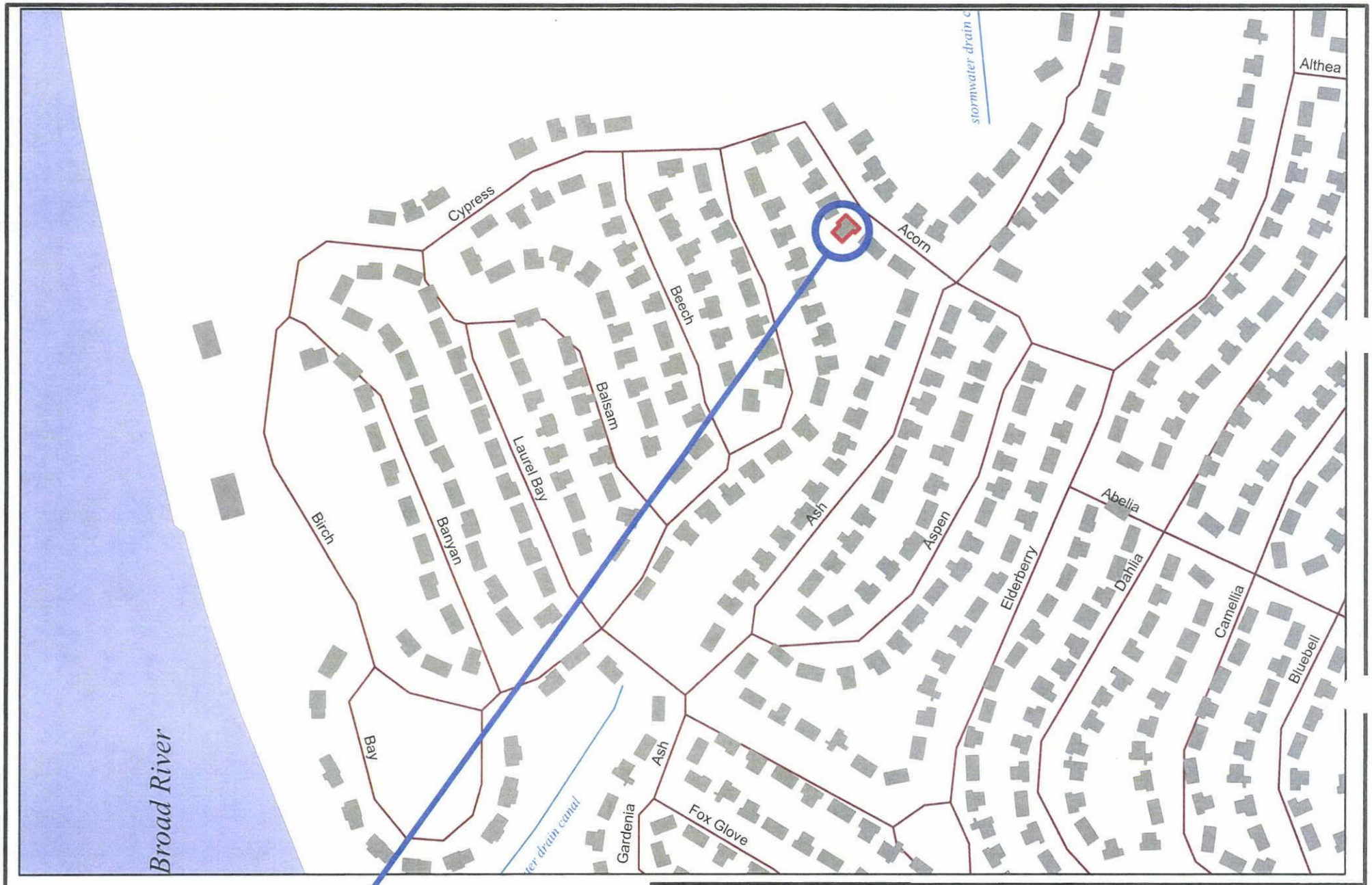
XII. RECEPTORS

	Yes	No
A. Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the UST system? *~360' to stormwater drainage canal 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 and 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)

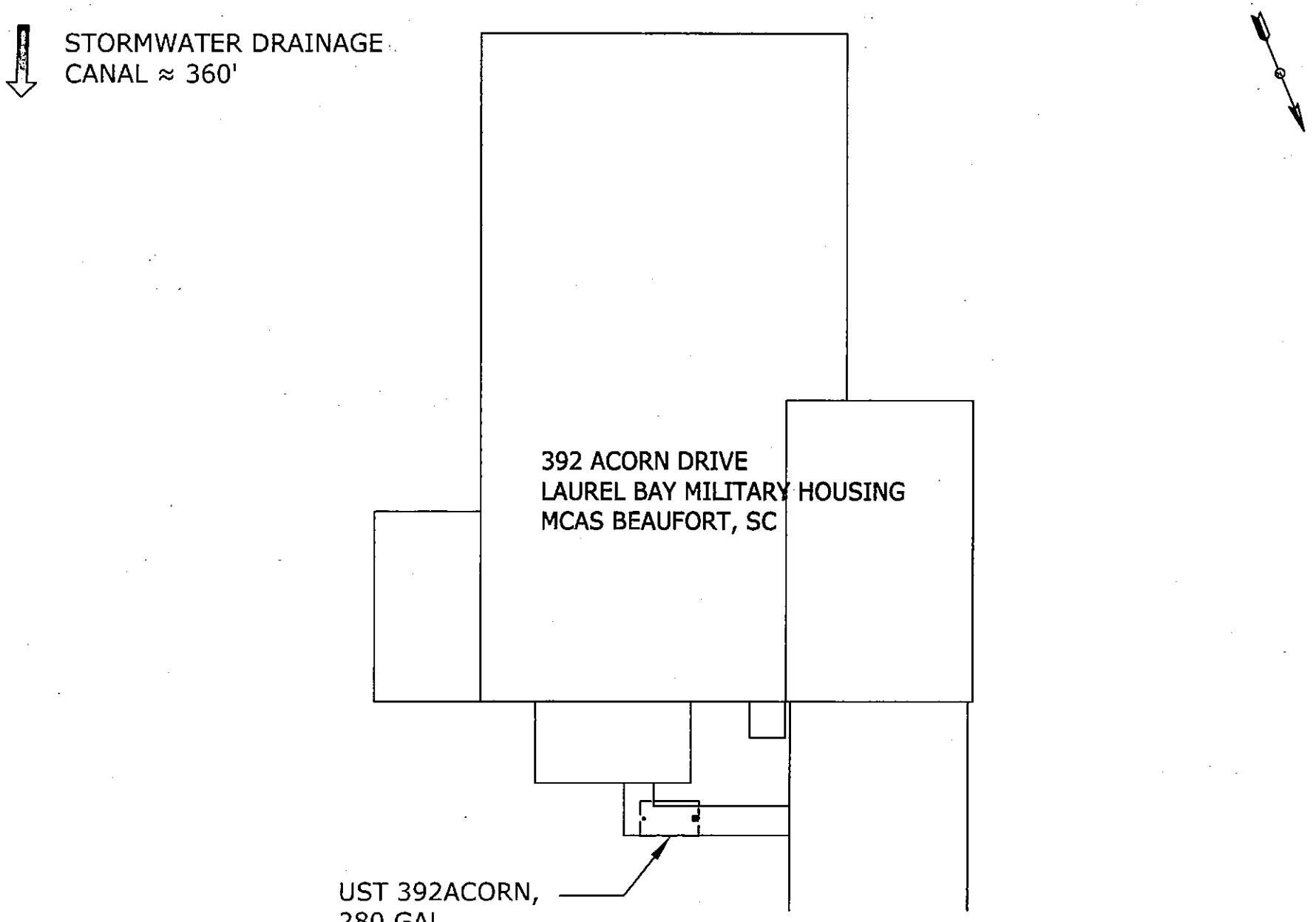


SBG-EEG, Inc.
398 E. 5th North Street, Suite C
Summerville SC 29483-6954
Ph. (843) 875-1930

Drawn By: L. DiAsio

Dwg Date: OCT 2011

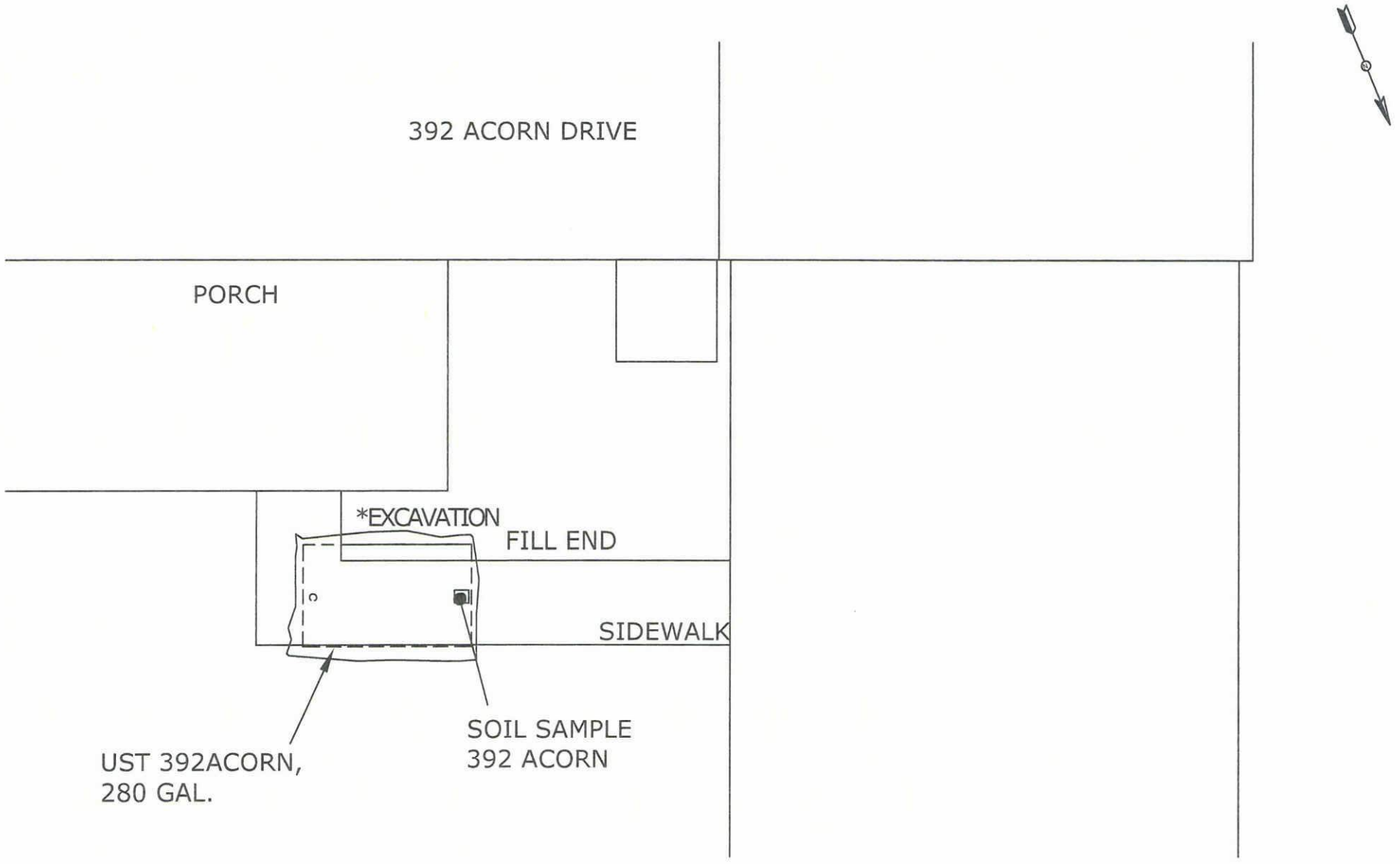
FIGURE 1: LOCATION MAP
392 ACORN DR
LAUREL BAY, BEAUFORT SC



SBG-EEG
7301 RIVERS AVE., SUITE 245
N. CHARLESTON SC 29406-9643
(843) 573-7140

FIGURE 2 SITE MAP
392 ACORN DR., LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC | DWG DATE DEC 2011



* A SECTION OF THE SIDEWALK WAS REMOVED TO FACILITATE EXTRACTION OF THE TANK.

STORMWATER DRAINAGE
CANAL ≈ 360'

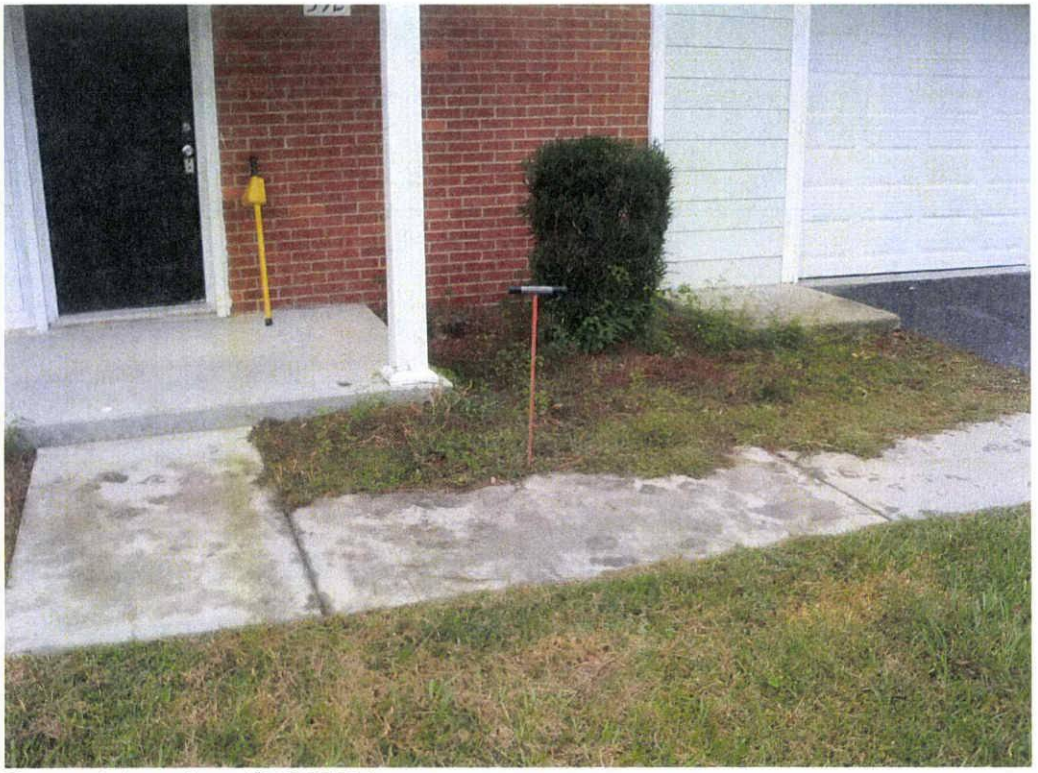
GRAPHIC SCALE
0 5'

DEPTH BELOW GRADE
392ACORN = 19"

SBG-EEG
7301 RIVERS AVE., SUITE 245
N. CHARLESTON SC 29406-9643
(843) 573-7140

FIGURE 3 UST SAMPLE LOCATIONS
392 ACORN DR., LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC | DWG DATE DEC 2011



Picture 1: Location of UST 392Acorn.

Picture 2: UST 392Acorn 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	392Acorn					
Benzene	ND					
Toluene	0.00136 mg/kg					
Ethylbenzene	0.0321 mg/kg					
Xylenes	0.00316 mg/kg					
Naphthalene	1.04 mg/kg					
Benzo (a) anthracene	ND					
Benzo (b) fluoranthene	ND					
Benzo (k) fluoranthene	ND					
Chrysene	ND					
Dibenz (a, h) anthracene	ND					
TPH (EPA 3550)						

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

SUMMARY OF ANALYSIS RESULTS (cont'd)

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

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

XV. ANALYTICAL RESULTS

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

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

October 31, 2011 2:21:48PM

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

Work Order: NUJ2184
Project Name: Laurel Bay Housing Project
Project Nbr: [none]
P/O Nbr: 1035
Date Received: 10/15/11

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
392 Acorn	NUJ2184-01	10/12/11 12:15
283 Birch	NUJ2184-02	10/13/11 12:00

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

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:	NUJ2184
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	10/15/11 08:40

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NUJ2184-01 (392 Acorn - Soil) Sampled: 10/12/11 12:15										
General Chemistry Parameters										
% Dry Solids	78.3		%	0.500	0.500	1	10/26/11 12:50	SW-846	RRS	11J5741
Volatile Organic Compounds by EPA Method 8260B										
Benzene	ND		mg/kg dry	0.00126	0.00230	1	10/21/11 20:57	SW846 8260B	KKK	11J5081
Ethylbenzene	0.0321		mg/kg dry	0.00126	0.00230	1	10/21/11 20:57	SW846 8260B	KKK	11J5081
Naphthalene	1.04		mg/kg dry	0.136	0.273	50	10/22/11 14:24	SW846 8260B	KKK	11J5196
Toluene	0.00136	J	mg/kg dry	0.00126	0.00230	1	10/21/11 20:57	SW846 8260B	KKK	11J5081
Xylenes, total	0.00316	J	mg/kg dry	0.00287	0.00574	1	10/21/11 20:57	SW846 8260B	KKK	11J5081
Surr: 1,2-Dichloroethane-d4 (70-130%)	*106 %*					*1*	*10/21/11 20:57*	*SW846 8260B*	*KKK*	*11J5081*
Surr: 1,2-Dichloroethane-d4 (70-130%)	*110 %*					*50*	*10/22/11 14:24*	*SW846 8260B*	*KKK*	*11J5196*
Surr: Dibromofluoromethane (70-130%)	*105 %*					*1*	*10/21/11 20:57*	*SW846 8260B*	*KKK*	*11J5081*
Surr: Dibromofluoromethane (70-130%)	*101 %*					*50*	*10/22/11 14:24*	*SW846 8260B*	*KKK*	*11J5196*
Surr: Toluene-d8 (70-130%)	*106 %*					*1*	*10/21/11 20:57*	*SW846 8260B*	*KKK*	*11J5081*
Surr: Toluene-d8 (70-130%)	*98 %*					*50*	*10/22/11 14:24*	*SW846 8260B*	*KKK*	*11J5196*
Surr: 4-Bromofluorobenzene (70-130%)	*111 %*					*1*	*10/21/11 20:57*	*SW846 8260B*	*KKK*	*11J5081*
Surr: 4-Bromofluorobenzene (70-130%)	*96 %*					*50*	*10/22/11 14:24*	*SW846 8260B*	*KKK*	*11J5196*
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0427	0.0841	1	10/18/11 18:23	SW846 8270D	BES	11J3932
Acenaphthylene	ND		mg/kg dry	0.0427	0.0841	1	10/18/11 18:23	SW846 8270D	BES	11J3932
Anthracene	ND		mg/kg dry	0.0427	0.0841	1	10/18/11 18:23	SW846 8270D	BES	11J3932
Benzo (a) anthracene	ND		mg/kg dry	0.0427	0.0841	1	10/18/11 18:23	SW846 8270D	BES	11J3932
Benzo (a) pyrene	ND		mg/kg dry	0.0427	0.0841	1	10/18/11 18:23	SW846 8270D	BES	11J3932
Benzo (b) fluoranthene	ND		mg/kg dry	0.0427	0.0841	1	10/18/11 18:23	SW846 8270D	BES	11J3932
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0427	0.0841	1	10/18/11 18:23	SW846 8270D	BES	11J3932
Benzo (k) fluoranthene	ND		mg/kg dry	0.0427	0.0841	1	10/18/11 18:23	SW846 8270D	BES	11J3932
Chrysene	ND		mg/kg dry	0.0427	0.0841	1	10/18/11 18:23	SW846 8270D	BES	11J3932
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0427	0.0841	1	10/18/11 18:23	SW846 8270D	BES	11J3932
Fluoranthene	ND		mg/kg dry	0.0427	0.0841	1	10/18/11 18:23	SW846 8270D	BES	11J3932
Fluorene	ND		mg/kg dry	0.0427	0.0841	1	10/18/11 18:23	SW846 8270D	BES	11J3932
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0427	0.0841	1	10/18/11 18:23	SW846 8270D	BES	11J3932
Naphthalene	0.111		mg/kg dry	0.0427	0.0841	1	10/18/11 18:23	SW846 8270D	BES	11J3932
Phenanthrene	0.0795	J	mg/kg dry	0.0427	0.0841	1	10/18/11 18:23	SW846 8270D	BES	11J3932
Pyrene	ND		mg/kg dry	0.0427	0.0841	1	10/18/11 18:23	SW846 8270D	BES	11J3932
1-Methylnaphthalene	0.220		mg/kg dry	0.0427	0.0841	1	10/18/11 18:23	SW846 8270D	BES	11J3932
2-Methylnaphthalene	0.411		mg/kg dry	0.0427	0.0841	1	10/18/11 18:23	SW846 8270D	BES	11J3932
Surr: Terphenyl-d14 (18-120%)	*80 %*					*1*	*10/18/11 18:23*	*SW846 8270D*	*BES*	*11J3932*
Surr: 2-Fluorobiphenyl (14-120%)	*62 %*					*1*	*10/18/11 18:23*	*SW846 8270D*	*BES*	*11J3932*
Surr: Nitrobenzene-d5 (17-120%)	*57 %*					*1*	*10/18/11 18:23*	*SW846 8270D*	*BES*	*11J3932*

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

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUJ2184
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	10/15/11 08:40

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NUJ2184-02 (283 Birch - Soil) Sampled: 10/13/11 12:00										
General Chemistry Parameters										
% Dry Solids	78.7		%	0.500	0.500	1	10/26/11 12:50	SW-846	RRS	11J5741
Volatile Organic Compounds by EPA Method 8260B										
Benzene	ND		mg/kg dry	0.00115	0.00208	1	10/21/11 21:27	SW846 8260B	KKK	11J5081
Ethylbenzene	ND		mg/kg dry	0.00115	0.00208	1	10/21/11 21:27	SW846 8260B	KKK	11J5081
Naphthalene	0.0402		mg/kg dry	0.00260	0.00521	1	10/21/11 21:27	SW846 8260B	KKK	11J5081
Toluene	ND		mg/kg dry	0.00115	0.00208	1	10/21/11 21:27	SW846 8260B	KKK	11J5081
Xylenes, total	ND		mg/kg dry	0.00260	0.00521	1	10/21/11 21:27	SW846 8260B	KKK	11J5081
Surr: 1,2-Dichloroethane-d4 (70-130%)	*104 %*					*1*	*10/21/11 21:27*	*SW846 8260B*	*KKK*	*11J5081*
Surr: Dibromofluoromethane (70-130%)	*103 %*					*1*	*10/21/11 21:27*	*SW846 8260B*	*KKK*	*11J5081*
Surr: Toluene-d8 (70-130%)	*102 %*					*1*	*10/21/11 21:27*	*SW846 8260B*	*KKK*	*11J5081*
Surr: 4-Bromofluorobenzene (70-130%)	*105 %*					*1*	*10/21/11 21:27*	*SW846 8260B*	*KKK*	*11J5081*
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0428	0.0843	1	10/18/11 18:45	SW846 8270D	BES	11J3932
Acenaphthylene	ND		mg/kg dry	0.0428	0.0843	1	10/18/11 18:45	SW846 8270D	BES	11J3932
Anthracene	ND		mg/kg dry	0.0428	0.0843	1	10/18/11 18:45	SW846 8270D	BES	11J3932
Benzo (a) anthracene	ND		mg/kg dry	0.0428	0.0843	1	10/18/11 18:45	SW846 8270D	BES	11J3932
Benzo (a) pyrene	ND		mg/kg dry	0.0428	0.0843	1	10/18/11 18:45	SW846 8270D	BES	11J3932
Benzo (b) fluoranthene	ND		mg/kg dry	0.0428	0.0843	1	10/18/11 18:45	SW846 8270D	BES	11J3932
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0428	0.0843	1	10/18/11 18:45	SW846 8270D	BES	11J3932
Benzo (k) fluoranthene	ND		mg/kg dry	0.0428	0.0843	1	10/18/11 18:45	SW846 8270D	BES	11J3932
Chrysene	ND		mg/kg dry	0.0428	0.0843	1	10/18/11 18:45	SW846 8270D	BES	11J3932
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0428	0.0843	1	10/18/11 18:45	SW846 8270D	BES	11J3932
Fluoranthene	ND		mg/kg dry	0.0428	0.0843	1	10/18/11 18:45	SW846 8270D	BES	11J3932
Fluorene	0.0553	J	mg/kg dry	0.0428	0.0843	1	10/18/11 18:45	SW846 8270D	BES	11J3932
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0428	0.0843	1	10/18/11 18:45	SW846 8270D	BES	11J3932
Naphthalene	0.250		mg/kg dry	0.0428	0.0843	1	10/18/11 18:45	SW846 8270D	BES	11J3932
Phenanthrene	ND		mg/kg dry	0.0428	0.0843	1	10/18/11 18:45	SW846 8270D	BES	11J3932
Pyrene	ND		mg/kg dry	0.0428	0.0843	1	10/18/11 18:45	SW846 8270D	BES	11J3932
1-Methylnaphthalene	0.480		mg/kg dry	0.0428	0.0843	1	10/18/11 18:45	SW846 8270D	BES	11J3932
2-Methylnaphthalene	0.832		mg/kg dry	0.0428	0.0843	1	10/18/11 18:45	SW846 8270D	BES	11J3932
Surr: Terphenyl-d14 (18-120%)	*74 %*					*1*	*10/18/11 18:45*	*SW846 8270D*	*BES*	*11J3932*
Surr: 2-Fluorobiphenyl (14-120%)	*57 %*					*1*	*10/18/11 18:45*	*SW846 8270D*	*BES*	*11J3932*
Surr: Nitrobenzene-d5 (17-120%)	*55 %*					*1*	*10/18/11 18:45*	*SW846 8270D*	*BES*	*11J3932*

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

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

Work Order: NUJ2184
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 10/15/11 08:40

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extract Vol	Date	Analyst	Extraction Method
Polyaromatic Hydrocarbons by EPA 8270D							
SW846 8270D	11J3932	NUJ2184-01	30.52	1.00	10/17/11 14:27	KDJ	EPA 3550C
SW846 8270D	11J3932	NUJ2184-02	30.32	1.00	10/17/11 14:27	KDJ	EPA 3550C
Volatile Organic Compounds by EPA Method 8260B							
SW846 8260B	11J5081	NUJ2184-01	5.56	5.00	10/12/11 12:15	AAN	EPA 5035
SW846 8260B	11J5196	NUJ2184-01RE1	5.85	5.00	10/12/11 12:15	AAN	EPA 5035
SW846 8260B	11J5081	NUJ2184-02	6.10	5.00	10/13/11 12:00	AAN	EPA 5035

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUJ2184
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	10/15/11 08:40

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						
11J5081-BLK1						
Benzene	<0.00110		mg/kg wet	11J5081	11J5081-BLK1	10/21/11 12:53
Ethylbenzene	<0.00110		mg/kg wet	11J5081	11J5081-BLK1	10/21/11 12:53
Naphthalene	<0.00250		mg/kg wet	11J5081	11J5081-BLK1	10/21/11 12:53
Toluene	<0.00110		mg/kg wet	11J5081	11J5081-BLK1	10/21/11 12:53
Xylenes, total	<0.00250		mg/kg wet	11J5081	11J5081-BLK1	10/21/11 12:53
Surrogate: 1,2-Dichloroethane-d4	108%			11J5081	11J5081-BLK1	10/21/11 12:53
Surrogate: Dibromofluoromethane	109%			11J5081	11J5081-BLK1	10/21/11 12:53
Surrogate: Toluene-d8	100%			11J5081	11J5081-BLK1	10/21/11 12:53
Surrogate: 4-Bromofluorobenzene	99%			11J5081	11J5081-BLK1	10/21/11 12:53
11J5081-BLK2						
Benzene	<0.0550		mg/kg wet	11J5081	11J5081-BLK2	10/21/11 13:23
Ethylbenzene	<0.0550		mg/kg wet	11J5081	11J5081-BLK2	10/21/11 13:23
Naphthalene	<0.125		mg/kg wet	11J5081	11J5081-BLK2	10/21/11 13:23
Toluene	<0.0550		mg/kg wet	11J5081	11J5081-BLK2	10/21/11 13:23
Xylenes, total	<0.125		mg/kg wet	11J5081	11J5081-BLK2	10/21/11 13:23
Surrogate: 1,2-Dichloroethane-d4	109%			11J5081	11J5081-BLK2	10/21/11 13:23
Surrogate: Dibromofluoromethane	110%			11J5081	11J5081-BLK2	10/21/11 13:23
Surrogate: Toluene-d8	100%			11J5081	11J5081-BLK2	10/21/11 13:23
Surrogate: 4-Bromofluorobenzene	101%			11J5081	11J5081-BLK2	10/21/11 13:23
11J5196-BLK1						
Benzene	<0.00110		mg/kg wet	11J5196	11J5196-BLK1	10/22/11 13:53
Ethylbenzene	<0.00110		mg/kg wet	11J5196	11J5196-BLK1	10/22/11 13:53
Naphthalene	<0.00250		mg/kg wet	11J5196	11J5196-BLK1	10/22/11 13:53
Toluene	<0.00110		mg/kg wet	11J5196	11J5196-BLK1	10/22/11 13:53
Xylenes, total	<0.00250		mg/kg wet	11J5196	11J5196-BLK1	10/22/11 13:53
Surrogate: 1,2-Dichloroethane-d4	110%			11J5196	11J5196-BLK1	10/22/11 13:53
Surrogate: Dibromofluoromethane	106%			11J5196	11J5196-BLK1	10/22/11 13:53
Surrogate: Toluene-d8	98%			11J5196	11J5196-BLK1	10/22/11 13:53
Surrogate: 4-Bromofluorobenzene	97%			11J5196	11J5196-BLK1	10/22/11 13:53
11J5196-BLK2						
Benzene	<0.0550		mg/kg wet	11J5196	11J5196-BLK2	10/22/11 13:23
Ethylbenzene	<0.0550		mg/kg wet	11J5196	11J5196-BLK2	10/22/11 13:23
Naphthalene	<0.125		mg/kg wet	11J5196	11J5196-BLK2	10/22/11 13:23
Toluene	<0.0550		mg/kg wet	11J5196	11J5196-BLK2	10/22/11 13:23
Xylenes, total	<0.125		mg/kg wet	11J5196	11J5196-BLK2	10/22/11 13:23
Surrogate: 1,2-Dichloroethane-d4	108%			11J5196	11J5196-BLK2	10/22/11 13:23
Surrogate: Dibromofluoromethane	105%			11J5196	11J5196-BLK2	10/22/11 13:23
Surrogate: Toluene-d8	80%			11J5196	11J5196-BLK2	10/22/11 13:23
Surrogate: 4-Bromofluorobenzene	97%			11J5196	11J5196-BLK2	10/22/11 13:23

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUJ2184
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	10/15/11 08:40

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						
Polyaromatic Hydrocarbons by EPA 8270D						
11J3932-BLK1						
Acenaphthene	<0.0340		mg/kg wet	11J3932	11J3932-BLK1	10/18/11 14:46
Acenaphthylene	<0.0340		mg/kg wet	11J3932	11J3932-BLK1	10/18/11 14:46
Anthracene	<0.0340		mg/kg wet	11J3932	11J3932-BLK1	10/18/11 14:46
Benzo (a) anthracene	<0.0340		mg/kg wet	11J3932	11J3932-BLK1	10/18/11 14:46
Benzo (a) pyrene	<0.0340		mg/kg wet	11J3932	11J3932-BLK1	10/18/11 14:46
Benzo (b) fluoranthene	<0.0340		mg/kg wet	11J3932	11J3932-BLK1	10/18/11 14:46
Benzo (g,h,i) perylene	<0.0340		mg/kg wet	11J3932	11J3932-BLK1	10/18/11 14:46
Benzo (k) fluoranthene	<0.0340		mg/kg wet	11J3932	11J3932-BLK1	10/18/11 14:46
Chrysene	<0.0340		mg/kg wet	11J3932	11J3932-BLK1	10/18/11 14:46
Dibenz (a,h) anthracene	<0.0340		mg/kg wet	11J3932	11J3932-BLK1	10/18/11 14:46
Fluoranthene	<0.0340		mg/kg wet	11J3932	11J3932-BLK1	10/18/11 14:46
Fluorene	<0.0340		mg/kg wet	11J3932	11J3932-BLK1	10/18/11 14:46
Indeno (1,2,3-cd) pyrene	<0.0340		mg/kg wet	11J3932	11J3932-BLK1	10/18/11 14:46
Naphthalene	<0.0340		mg/kg wet	11J3932	11J3932-BLK1	10/18/11 14:46
Phenanthrene	<0.0340		mg/kg wet	11J3932	11J3932-BLK1	10/18/11 14:46
Pyrene	<0.0340		mg/kg wet	11J3932	11J3932-BLK1	10/18/11 14:46
1-Methylnaphthalene	<0.0340		mg/kg wet	11J3932	11J3932-BLK1	10/18/11 14:46
2-Methylnaphthalene	<0.0340		mg/kg wet	11J3932	11J3932-BLK1	10/18/11 14:46
Surrogate: Terphenyl-d14	87%			11J3932	11J3932-BLK1	10/18/11 14:46
Surrogate: 2-Fluorobiphenyl	66%			11J3932	11J3932-BLK1	10/18/11 14:46
Surrogate: Nitrobenzene-d5	64%			11J3932	11J3932-BLK1	10/18/11 14:46

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUJ2184
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	10/15/11 08:40

PROJECT QUALITY CONTROL DATA
Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	% Rec.	Analyzed Date/Time
General Chemistry Parameters										
11J5741-DUP1										
% Dry Solids	82.9	84.1		%	1	20	11J5741	NUJ1976-38		10/26/11 12:50

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUJ2184
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	10/15/11 08:40

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								
11J5081-BS1								
Benzene	50.0	47.8		ug/kg	96%	75 - 127	11J5081	10/21/11 11:22
Ethylbenzene	50.0	49.2		ug/kg	98%	80 - 134	11J5081	10/21/11 11:22
Naphthalene	50.0	43.2		ug/kg	86%	69 - 150	11J5081	10/21/11 11:22
Toluene	50.0	50.2		ug/kg	100%	80 - 132	11J5081	10/21/11 11:22
Xylenes, total	150	149		ug/kg	99%	80 - 137	11J5081	10/21/11 11:22
Surrogate: 1,2-Dichloroethane-d4	50.0	54.8			110%	70 - 130	11J5081	10/21/11 11:22
Surrogate: Dibromofluoromethane	50.0	54.2			108%	70 - 130	11J5081	10/21/11 11:22
Surrogate: Toluene-d8	50.0	50.0			100%	70 - 130	11J5081	10/21/11 11:22
Surrogate: 4-Bromofluorobenzene	50.0	45.6			91%	70 - 130	11J5081	10/21/11 11:22
11J5196-BS1								
Benzene	50.0	44.0		ug/kg	88%	75 - 127	11J5196	10/22/11 12:22
Ethylbenzene	50.0	46.2		ug/kg	92%	80 - 134	11J5196	10/22/11 12:22
Naphthalene	50.0	45.9		ug/kg	92%	69 - 150	11J5196	10/22/11 12:22
Toluene	50.0	45.6		ug/kg	91%	80 - 132	11J5196	10/22/11 12:22
Xylenes, total	150	140		ug/kg	93%	80 - 137	11J5196	10/22/11 12:22
Surrogate: 1,2-Dichloroethane-d4	50.0	54.1			108%	70 - 130	11J5196	10/22/11 12:22
Surrogate: Dibromofluoromethane	50.0	52.5			105%	70 - 130	11J5196	10/22/11 12:22
Surrogate: Toluene-d8	50.0	49.6			99%	70 - 130	11J5196	10/22/11 12:22
Surrogate: 4-Bromofluorobenzene	50.0	48.0			96%	70 - 130	11J5196	10/22/11 12:22
Polyaromatic Hydrocarbons by EPA 8270D								
11J3932-BS1								
Acenaphthene	1.67	1.23		mg/kg wet	74%	36 - 120	11J3932	10/18/11 15:08
Acenaphthylene	1.67	1.16		mg/kg wet	69%	38 - 120	11J3932	10/18/11 15:08
Anthracene	1.67	1.35		mg/kg wet	81%	46 - 124	11J3932	10/18/11 15:08
Benzo (a) anthracene	1.67	1.37		mg/kg wet	82%	45 - 120	11J3932	10/18/11 15:08
Benzo (a) pyrene	1.67	1.43		mg/kg wet	86%	45 - 120	11J3932	10/18/11 15:08
Benzo (b) fluoranthene	1.67	1.41		mg/kg wet	85%	42 - 120	11J3932	10/18/11 15:08
Benzo (g,h,i) perylene	1.67	1.35		mg/kg wet	81%	38 - 120	11J3932	10/18/11 15:08
Benzo (k) fluoranthene	1.67	1.20		mg/kg wet	72%	42 - 120	11J3932	10/18/11 15:08
Chrysene	1.67	1.33		mg/kg wet	80%	43 - 120	11J3932	10/18/11 15:08
Dibenz (a,h) anthracene	1.67	1.34		mg/kg wet	80%	32 - 128	11J3932	10/18/11 15:08
Fluoranthene	1.67	1.38		mg/kg wet	83%	46 - 120	11J3932	10/18/11 15:08
Fluorene	1.67	1.28		mg/kg wet	77%	42 - 120	11J3932	10/18/11 15:08
Indeno (1,2,3-cd) pyrene	1.67	1.34		mg/kg wet	80%	41 - 121	11J3932	10/18/11 15:08
Naphthalene	1.67	1.22		mg/kg wet	73%	32 - 120	11J3932	10/18/11 15:08
Phenanthrene	1.67	1.31		mg/kg wet	79%	45 - 120	11J3932	10/18/11 15:08
Pyrene	1.67	1.32		mg/kg wet	79%	43 - 120	11J3932	10/18/11 15:08
1-Methylnaphthalene	1.67	0.957		mg/kg wet	57%	32 - 120	11J3932	10/18/11 15:08
2-Methylnaphthalene	1.67	1.14		mg/kg wet	68%	28 - 120	11J3932	10/18/11 15:08

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUJ2184
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	10/15/11 08:40

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								
11J3932-BS1								
Surrogate: Terphenyl-d14	1.67	1.41			85%	18 - 120	11J3932	10/18/11 15:08
Surrogate: 2-Fluorobiphenyl	1.67	1.07			64%	14 - 120	11J3932	10/18/11 15:08
Surrogate: Nitrobenzene-d5	1.67	0.980			59%	17 - 120	11J3932	10/18/11 15:08

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUJ2184
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	10/15/11 08:40

PROJECT QUALITY CONTROL DATA

LCS Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
11J5081-BSD1												
Benzene		48.4		ug/kg	50.0	97%	75 - 127	1	50	11J5081		10/21/11 11:52
Ethylbenzene		50.2		ug/kg	50.0	100%	80 - 134	2	50	11J5081		10/21/11 11:52
Naphthalene		42.3		ug/kg	50.0	85%	69 - 150	2	50	11J5081		10/21/11 11:52
Toluene		50.7		ug/kg	50.0	101%	80 - 132	1	50	11J5081		10/21/11 11:52
Xylenes, total		154		ug/kg	150	103%	80 - 137	3	50	11J5081		10/21/11 11:52
Surrogate: 1,2-Dichloroethane-d4		55.2		ug/kg	50.0	110%	70 - 130			11J5081		10/21/11 11:52
Surrogate: Dibromofluoromethane		54.6		ug/kg	50.0	109%	70 - 130			11J5081		10/21/11 11:52
Surrogate: Toluene-d8		50.4		ug/kg	50.0	101%	70 - 130			11J5081		10/21/11 11:52
Surrogate: 4-Bromofluorobenzene		45.8		ug/kg	50.0	92%	70 - 130			11J5081		10/21/11 11:52
11J5196-BSD1												
Benzene		45.1		ug/kg	50.0	90%	75 - 127	2	50	11J5196		10/22/11 12:52
Ethylbenzene		47.7		ug/kg	50.0	95%	80 - 134	3	50	11J5196		10/22/11 12:52
Naphthalene		47.3		ug/kg	50.0	95%	69 - 150	3	50	11J5196		10/22/11 12:52
Toluene		47.6		ug/kg	50.0	95%	80 - 132	4	50	11J5196		10/22/11 12:52
Xylenes, total		144		ug/kg	150	96%	80 - 137	3	50	11J5196		10/22/11 12:52
Surrogate: 1,2-Dichloroethane-d4		53.2		ug/kg	50.0	106%	70 - 130			11J5196		10/22/11 12:52
Surrogate: Dibromofluoromethane		52.8		ug/kg	50.0	106%	70 - 130			11J5196		10/22/11 12:52
Surrogate: Toluene-d8		49.7		ug/kg	50.0	99%	70 - 130			11J5196		10/22/11 12:52
Surrogate: 4-Bromofluorobenzene		47.8		ug/kg	50.0	96%	70 - 130			11J5196		10/22/11 12:52

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUJ2184
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	10/15/11 08:40

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										
11J5081-MS1										
Benzene	ND	0.0638		mg/kg dry	0.0602	106%	31 - 143	11J5081	NUJ2184-02	10/21/11 21:58
Ethylbenzene	ND	0.0749		mg/kg dry	0.0602	125%	23 - 161	11J5081	NUJ2184-02	10/21/11 21:58
Toluene	ND	0.0792		mg/kg dry	0.0602	132%	30 - 155	11J5081	NUJ2184-02	10/21/11 21:58
Xylenes, total	ND	0.215		mg/kg dry	0.181	119%	25 - 162	11J5081	NUJ2184-02	10/21/11 21:58
Surrogate: 1,2-Dichloroethane-d4		51.4		ug/kg	50.0	103%	70 - 130	11J5081	NUJ2184-02	10/21/11 21:58
Surrogate: Dibromofluoromethane		52.4		ug/kg	50.0	105%	70 - 130	11J5081	NUJ2184-02	10/21/11 21:58
Surrogate: Toluene-d8		57.2		ug/kg	50.0	114%	70 - 130	11J5081	NUJ2184-02	10/21/11 21:58
Surrogate: 4-Bromofluorobenzene		69.2	ZX	ug/kg	50.0	138%	70 - 130	11J5081	NUJ2184-02	10/21/11 21:58
11J5196-MS1										
Benzene	ND	3.21		mg/kg dry	2.73	118%	31 - 143	11J5196	NUJ2184-01RE1	10/22/11 22:33
Ethylbenzene	ND	3.32		mg/kg dry	2.73	122%	23 - 161	11J5196	NUJ2184-01RE1	10/22/11 22:33
Naphthalene	1.04	4.06		mg/kg dry	2.73	111%	10 - 176	11J5196	NUJ2184-01RE1	10/22/11 22:33
Toluene	ND	3.28		mg/kg dry	2.73	120%	30 - 155	11J5196	NUJ2184-01RE1	10/22/11 22:33
Xylenes, total	ND	9.92		mg/kg dry	8.19	121%	25 - 162	11J5196	NUJ2184-01RE1	10/22/11 22:33
Surrogate: 1,2-Dichloroethane-d4		53.3		ug/kg	50.0	107%	70 - 130	11J5196	NUJ2184-01RE1	10/22/11 22:33
Surrogate: Dibromofluoromethane		52.7		ug/kg	50.0	105%	70 - 130	11J5196	NUJ2184-01RE1	10/22/11 22:33
Surrogate: Toluene-d8		49.8		ug/kg	50.0	100%	70 - 130	11J5196	NUJ2184-01RE1	10/22/11 22:33
Surrogate: 4-Bromofluorobenzene		47.4		ug/kg	50.0	95%	70 - 130	11J5196	NUJ2184-01RE1	10/22/11 22:33
Polyaromatic Hydrocarbons by EPA 8270D										
11J3932-MS1										
Acenaphthene	ND	0.990		mg/kg dry	1.86	53%	19 - 120	11J3932	NUJ1811-01	10/18/11 15:29
Acenaphthylene	ND	0.980		mg/kg dry	1.86	53%	25 - 120	11J3932	NUJ1811-01	10/18/11 15:29
Anthracene	ND	1.15		mg/kg dry	1.86	62%	28 - 125	11J3932	NUJ1811-01	10/18/11 15:29
Benzo (a) anthracene	0.0707	1.19		mg/kg dry	1.86	60%	23 - 120	11J3932	NUJ1811-01	10/18/11 15:29
Benzo (a) pyrene	0.0925	1.24		mg/kg dry	1.86	62%	15 - 128	11J3932	NUJ1811-01	10/18/11 15:29
Benzo (b) fluoranthene	0.0944	1.14		mg/kg dry	1.86	56%	12 - 133	11J3932	NUJ1811-01	10/18/11 15:29
Benzo (g,h,i) perylene	0.0751	1.14		mg/kg dry	1.86	57%	22 - 120	11J3932	NUJ1811-01	10/18/11 15:29
Benzo (k) fluoranthene	0.0992	1.21		mg/kg dry	1.86	60%	28 - 120	11J3932	NUJ1811-01	10/18/11 15:29
Chrysene	0.0984	1.21		mg/kg dry	1.86	60%	20 - 120	11J3932	NUJ1811-01	10/18/11 15:29
Dibenz (a,h) anthracene	ND	1.12		mg/kg dry	1.86	60%	12 - 128	11J3932	NUJ1811-01	10/18/11 15:29
Fluoranthene	0.185	1.31		mg/kg dry	1.86	61%	10 - 143	11J3932	NUJ1811-01	10/18/11 15:29

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUJ2184
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	10/15/11 08:40

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										
11J3932-MS1										
Fluorene	ND	1.09		mg/kg dry	1.86	59%	20 - 120	11J3932	NUJ1811-01	10/18/11 15:29
Indeno (1,2,3-cd) pyrene	0.0648	1.14		mg/kg dry	1.86	58%	22 - 121	11J3932	NUJ1811-01	10/18/11 15:29
Naphthalene	ND	1.09		mg/kg dry	1.86	58%	10 - 120	11J3932	NUJ1811-01	10/18/11 15:29
Phenanthrene	0.0492	1.16		mg/kg dry	1.86	60%	21 - 122	11J3932	NUJ1811-01	10/18/11 15:29
Pyrene	0.141	1.18		mg/kg dry	1.86	56%	20 - 123	11J3932	NUJ1811-01	10/18/11 15:29
1-Methylnaphthalene	ND	0.838		mg/kg dry	1.86	45%	10 - 120	11J3932	NUJ1811-01	10/18/11 15:29
2-Methylnaphthalene	ND	0.993		mg/kg dry	1.86	53%	13 - 120	11J3932	NUJ1811-01	10/18/11 15:29
Surrogate: Terphenyl-d14		1.15		mg/kg dry	1.86	62%	18 - 120	11J3932	NUJ1811-01	10/18/11 15:29
Surrogate: 2-Fluorobiphenyl		0.901		mg/kg dry	1.86	48%	14 - 120	11J3932	NUJ1811-01	10/18/11 15:29
Surrogate: Nitrobenzene-d5		0.855		mg/kg dry	1.86	46%	17 - 120	11J3932	NUJ1811-01	10/18/11 15:29

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUJ2184
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	10/15/11 08:40

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												
11J5081-MSD1												
Benzene	ND	0.0618		mg/kg dry	0.0563	110%	31 - 143	3	50	11J5081	NUJ2184-02	10/21/11 22:28
Ethylbenzene	ND	0.0714		mg/kg dry	0.0563	127%	23 - 161	5	50	11J5081	NUJ2184-02	10/21/11 22:28
Toluene	ND	0.0769		mg/kg dry	0.0563	136%	30 - 155	3	50	11J5081	NUJ2184-02	10/21/11 22:28
Xylenes, total	ND	0.210		mg/kg dry	0.169	124%	25 - 162	2	50	11J5081	NUJ2184-02	10/21/11 22:28
Surrogate: 1,2-Dichloroethane-d4		51.7		ug/kg	50.0	103%	70 - 130			11J5081	NUJ2184-02	10/21/11 22:28
Surrogate: Dibromofluoromethane		52.8		ug/kg	50.0	106%	70 - 130			11J5081	NUJ2184-02	10/21/11 22:28
Surrogate: Toluene-d8		59.7		ug/kg	50.0	119%	70 - 130			11J5081	NUJ2184-02	10/21/11 22:28
Surrogate: 4-Bromofluorobenzene		71.6	ZX	ug/kg	50.0	143%	70 - 130			11J5081	NUJ2184-02	10/21/11 22:28
11J5196-MSD1												
Benzene	ND	3.07		mg/kg dry	2.73	112%	31 - 143	5	50	11J5196	NUJ2184-01RE1	10/22/11 23:03
Ethylbenzene	ND	3.23		mg/kg dry	2.73	118%	23 - 161	3	50	11J5196	NUJ2184-01RE1	10/22/11 23:03
Naphthalene	1.04	3.97		mg/kg dry	2.73	107%	10 - 176	2	50	11J5196	NUJ2184-01RE1	10/22/11 23:03
Toluene	ND	3.25		mg/kg dry	2.73	119%	30 - 155	0.9	50	11J5196	NUJ2184-01RE1	10/22/11 23:03
Xylenes, total	ND	9.63		mg/kg dry	8.19	118%	25 - 162	3	50	11J5196	NUJ2184-01RE1	10/22/11 23:03
Surrogate: 1,2-Dichloroethane-d4		52.0		ug/kg	50.0	104%	70 - 130			11J5196	NUJ2184-01RE1	10/22/11 23:03
Surrogate: Dibromofluoromethane		51.9		ug/kg	50.0	104%	70 - 130			11J5196	NUJ2184-01RE1	10/22/11 23:03
Surrogate: Toluene-d8		50.5		ug/kg	50.0	101%	70 - 130			11J5196	NUJ2184-01RE1	10/22/11 23:03
Surrogate: 4-Bromofluorobenzene		47.0		ug/kg	50.0	94%	70 - 130			11J5196	NUJ2184-01RE1	10/22/11 23:03
Polyaromatic Hydrocarbons by EPA 8270D												
11J3932-MSD1												
Acenaphthene	ND	1.24		mg/kg dry	1.87	66%	19 - 120	22	50	11J3932	NUJ1811-01	10/18/11 15:51
Acenaphthylene	ND	1.22		mg/kg dry	1.87	65%	25 - 120	22	50	11J3932	NUJ1811-01	10/18/11 15:51
Anthracene	ND	1.46		mg/kg dry	1.87	78%	28 - 125	24	49	11J3932	NUJ1811-01	10/18/11 15:51
Benzo (a) anthracene	0.0707	1.54		mg/kg dry	1.87	79%	23 - 120	26	50	11J3932	NUJ1811-01	10/18/11 15:51
Benzo (a) pyrene	0.0925	1.58		mg/kg dry	1.87	79%	15 - 128	24	50	11J3932	NUJ1811-01	10/18/11 15:51
Benzo (b) fluoranthene	0.0944	1.46		mg/kg dry	1.87	73%	12 - 133	25	50	11J3932	NUJ1811-01	10/18/11 15:51
Benzo (g,h,i) perylene	0.0751	1.44		mg/kg dry	1.87	73%	22 - 120	23	50	11J3932	NUJ1811-01	10/18/11 15:51
Benzo (k) fluoranthene	0.0992	1.59		mg/kg dry	1.87	80%	28 - 120	27	45	11J3932	NUJ1811-01	10/18/11 15:51
Chrysene	0.0984	1.48		mg/kg dry	1.87	74%	20 - 120	21	49	11J3932	NUJ1811-01	10/18/11 15:51
Dibenz (a,h) anthracene	ND	1.41		mg/kg dry	1.87	76%	12 - 128	23	50	11J3932	NUJ1811-01	10/18/11 15:51
Fluoranthene	0.185	1.67		mg/kg dry	1.87	79%	10 - 143	24	50	11J3932	NUJ1811-01	10/18/11 15:51
Fluorene	ND	1.39		mg/kg dry	1.87	75%	20 - 120	24	50	11J3932	NUJ1811-01	10/18/11 15:51
Indeno (1,2,3-cd) pyrene	0.0648	1.44		mg/kg dry	1.87	73%	22 - 121	23	50	11J3932	NUJ1811-01	10/18/11 15:51
Naphthalene	ND	1.29		mg/kg dry	1.87	69%	10 - 120	17	50	11J3932	NUJ1811-01	10/18/11 15:51

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUJ2184
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	10/15/11 08:40

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												
11J3932-MSD1												
Phenanthrene	0.0492	1.46		mg/kg dry	1.87	75%	21 - 122	23	50	11J3932	NUJ1811-01	10/18/11 15:51
Pyrene	0.141	1.55		mg/kg dry	1.87	75%	20 - 123	27	50	11J3932	NUJ1811-01	10/18/11 15:51
1-Methylnaphthalene	ND	1.00		mg/kg dry	1.87	54%	10 - 120	18	50	11J3932	NUJ1811-01	10/18/11 15:51
2-Methylnaphthalene	ND	1.18		mg/kg dry	1.87	63%	13 - 120	18	50	11J3932	NUJ1811-01	10/18/11 15:51
Surrogate: Terphenyl-d14		1.53		mg/kg dry	1.87	82%	18 - 120			11J3932	NUJ1811-01	10/18/11 15:51
Surrogate: 2-Fluorobiphenyl		1.09		mg/kg dry	1.87	58%	14 - 120			11J3932	NUJ1811-01	10/18/11 15:51
Surrogate: Nitrobenzene-d5		0.993		mg/kg dry	1.87	53%	17 - 120			11J3932	NUJ1811-01	10/18/11 15:51

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUJ2184
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	10/15/11 08:40

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			

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUJ2184
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	10/15/11 08:40

DATA QUALIFIERS AND DEFINITIONS

J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
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

NUJ2184
10/31/11 23 59

TestAmerica

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

Phone:
Toll Free:
Fax:

Client Name/Account #: EEG - SBG # 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) Brett Shaw
Sampler Signature:

10:35

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Ice	HNO3 (Red Label)	Sodium Bisulfate (Yellow Label)	Methanol (White Label)	H2SO4 (Green Label)	
392 Acorn	10/12/11	1215	5	X					2	2		
253 B. Rich	10/13/11	1200	5	X					2	2		

Special Instructions:

Relinquished by:	Date	Time	Method of Shipment: Received by:
	10/14/11	1000	FedEx
Relinquished by:	Date	Time	Received by TestAmerica:

10 15 11 0940

NUJ2184a

ATTACHMENT A

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

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

GENERATOR

3. Generator's Mailing Address:	Generator's Site Address (If different than mailing):	A. Manifest Number	
MCAS, BEAUFORT LAUREL BAY HOUSING BEAUFORT, SC 29907		WMNA	00316818
4. Generator's Phone 843-228-6461		B. State Generator's ID	

5. Transporter 1 Company Name	6. US EPA ID Number	C. State Transporter's ID	
EEG, INC.		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	10. US EPA ID Number	G. State Facility ID	
HICKORY HILL LANDFILL 2621 LOW COUNTRY ROAD RIDGELAND, SC 29936		H. State Facility Phone	843-987-4643

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

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information
UST's from: 1) 212 Balsam ✓ 3) 392 Acorn ✓
2) 219 Balsam ✓ 4) 283 Birch ✓

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
Timothy Whaley	Timothy Whaley	10	18	11

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
James Baldwin	James Baldwin	10	18	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
Tom Cofield	Tom Cofield	10	18	11

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

Pink- FACILITY USE ONLY Gold- TRANSPORTER #1 COPY

Appendix C
Laboratory Analytical Report - Groundwater

CDM - AECOM
Multimedia Joint Venture

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(704)875-9092

ANALYTICAL RESULTS

Project: LAUREL BAY SAMPLING 7/29/08
Pace Project No.: 9224564

Sample: 390 ACORN A **Lab ID: 9224564016** Collected: 07/29/08 16:10 Received: 07/31/08 13:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM SPE	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3535							
Benzo(g,h,i)perylene	ND	ug/L	0.20	1	08/04/08 00:00	08/13/08 05:14	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.20	1	08/04/08 00:00	08/13/08 05:14	207-08-9	
Chrysene	**0.24**	ug/L	0.10	1	08/04/08 00:00	08/13/08 05:14	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.20	1	08/04/08 00:00	08/13/08 05:14	53-70-3	
Fluoranthene	**0.97**	ug/L	0.30	1	08/04/08 00:00	08/13/08 05:14	206-44-0	
Fluorene	**7.6**	ug/L	0.31	1	08/04/08 00:00	08/13/08 05:14	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.20	1	08/04/08 00:00	08/13/08 05:14	193-39-5	
1-Methylnaphthalene	**43.1**	ug/L	10.0	5	08/04/08 00:00	08/13/08 17:30	90-12-0	
2-Methylnaphthalene	**81.9**	ug/L	10.0	5	08/04/08 00:00	08/13/08 17:30	91-57-6	
Naphthalene	**20.1**	ug/L	1.5	1	08/04/08 00:00	08/13/08 05:14	91-20-3	
Phenanthrene	**15.0**	ug/L	0.20	1	08/04/08 00:00	08/13/08 05:14	85-01-8	
Pyrene	**0.82**	ug/L	0.10	1	08/04/08 00:00	08/13/08 05:14	129-00-0	
Nitrobenzene-d5 (S)	45	%	50-150	1	08/04/08 00:00	08/13/08 05:14	4165-60-0	1g
2-Fluorobiphenyl (S)	54	%	50-150	1	08/04/08 00:00	08/13/08 05:14	321-60-8	
Terphenyl-d14 (S)	53	%	50-150	1	08/04/08 00:00	08/13/08 05:14	1718-51-0	
8260 MSV Low Level	Analytical Method: EPA 8260							
Benzene	**0.0**	ug/L		1		08/06/08 12:06	71-43-2	
Ethylbenzene	**0.0**	ug/L		1		08/06/08 12:06	100-41-4	
Naphthalene	**2.2**	ug/L		1		08/06/08 12:06	91-20-3	
Toluene	**0.12**	ug/L		1		08/06/08 12:06	108-88-3	
m&p-Xylene	**0.0**	ug/L		1		08/06/08 12:06	1330-20-7	
o-Xylene	**0.13**	ug/L		1		08/06/08 12:06	95-47-6	
4-Bromofluorobenzene (S)	99	%	87-109	1		08/06/08 12:06	460-00-4	
Dibromofluoromethane (S)	95	%	85-115	1		08/06/08 12:06	1868-53-7	
1,2-Dichloroethane-d4 (S)	97	%	79-120	1		08/06/08 12:06	17060-07-0	
Toluene-d8 (S)	102	%	70-120	1		08/06/08 12:06	2037-26-5	

Sample: 392 ACORN A **Lab ID: 9224564017** Collected: 07/29/08 16:30 Received: 07/31/08 13:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM SPE	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3535							
Acenaphthene	**2.1**	ug/L	2.0	1	08/04/08 00:00	08/13/08 05:37	83-32-9	
Acenaphthylene	ND	ug/L	1.5	1	08/04/08 00:00	08/13/08 05:37	208-96-8	
Anthracene	ND	ug/L	0.050	1	08/04/08 00:00	08/13/08 05:37	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	08/04/08 00:00	08/13/08 05:37	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.20	1	08/04/08 00:00	08/13/08 05:37	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.30	1	08/04/08 00:00	08/13/08 05:37	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.20	1	08/04/08 00:00	08/13/08 05:37	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.20	1	08/04/08 00:00	08/13/08 05:37	207-08-9	
Chrysene	ND	ug/L	0.10	1	08/04/08 00:00	08/13/08 05:37	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.20	1	08/04/08 00:00	08/13/08 05:37	53-70-3	
Fluoranthene	ND	ug/L	0.30	1	08/04/08 00:00	08/13/08 05:37	206-44-0	
Fluorene	**1.0**	ug/L	0.31	1	08/04/08 00:00	08/13/08 05:37	86-73-7	

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Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: LAUREL BAY SAMPLING 7/29/08
Pace Project No.: 9224564

Sample: 392 ACORN A **Lab ID: 9224564017** Collected: 07/29/08 16:30 Received: 07/31/08 13:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM SPE	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3535							
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.20	1	08/04/08 00:00	08/13/08 05:37	193-39-5	
1-Methylnaphthalene	ND	ug/L	2.0	1	08/04/08 00:00	08/13/08 05:37	90-12-0	
2-Methylnaphthalene	ND	ug/L	2.0	1	08/04/08 00:00	08/13/08 05:37	91-57-6	
Naphthalene	ND	ug/L	1.5	1	08/04/08 00:00	08/13/08 05:37	91-20-3	
Phenanthrene	ND	ug/L	0.20	1	08/04/08 00:00	08/13/08 05:37	85-01-8	
Pyrene	ND	ug/L	0.10	1	08/04/08 00:00	08/13/08 05:37	129-00-0	
Nitrobenzene-d5 (S)	54	%	50-150	1	08/04/08 00:00	08/13/08 05:37	4165-60-0	
2-Fluorobiphenyl (S)	75	%	50-150	1	08/04/08 00:00	08/13/08 05:37	321-60-8	
Terphenyl-d14 (S)	98	%	50-150	1	08/04/08 00:00	08/13/08 05:37	1718-51-0	
8260 MSV Low Level	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		08/05/08 23:52	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		08/05/08 23:52	100-41-4	
Naphthalene	ND	ug/L	2.0	1		08/05/08 23:52	91-20-3	
Toluene	ND	ug/L	1.0	1		08/05/08 23:52	108-88-3	
m&p-Xylene	ND	ug/L	2.0	1		08/05/08 23:52	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		08/05/08 23:52	95-47-6	
4-Bromofluorobenzene (S)	99	%	87-109	1		08/05/08 23:52	460-00-4	
Dibromofluoromethane (S)	94	%	85-115	1		08/05/08 23:52	1868-53-7	
1,2-Dichloroethane-d4 (S)	98	%	79-120	1		08/05/08 23:52	17060-07-0	
Toluene-d8 (S)	102	%	70-120	1		08/05/08 23:52	2037-26-5	

Sample: 392 ACORN E **Lab ID: 9224564018** Collected: 07/29/08 13:25 Received: 07/31/08 13:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM SPE	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3535							
Acenaphthene	ND	ug/L	2.0	1	08/04/08 00:00	08/13/08 06:00	83-32-9	
Acenaphthylene	ND	ug/L	1.5	1	08/04/08 00:00	08/13/08 06:00	208-96-8	
Anthracene	ND	ug/L	0.050	1	08/04/08 00:00	08/13/08 06:00	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	08/04/08 00:00	08/13/08 06:00	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.20	1	08/04/08 00:00	08/13/08 06:00	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.30	1	08/04/08 00:00	08/13/08 06:00	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.20	1	08/04/08 00:00	08/13/08 06:00	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.20	1	08/04/08 00:00	08/13/08 06:00	207-08-9	
Chrysene	ND	ug/L	0.10	1	08/04/08 00:00	08/13/08 06:00	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.20	1	08/04/08 00:00	08/13/08 06:00	53-70-3	
Fluoranthene	ND	ug/L	0.30	1	08/04/08 00:00	08/13/08 06:00	206-44-0	
Fluorene	ND	ug/L	0.31	1	08/04/08 00:00	08/13/08 06:00	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.20	1	08/04/08 00:00	08/13/08 06:00	193-39-5	
1-Methylnaphthalene	ND	ug/L	2.0	1	08/04/08 00:00	08/13/08 06:00	90-12-0	
2-Methylnaphthalene	ND	ug/L	2.0	1	08/04/08 00:00	08/13/08 06:00	91-57-6	
Naphthalene	ND	ug/L	1.5	1	08/04/08 00:00	08/13/08 06:00	91-20-3	
Phenanthrene	ND	ug/L	0.20	1	08/04/08 00:00	08/13/08 06:00	85-01-8	
Pyrene	ND	ug/L	0.10	1	08/04/08 00:00	08/13/08 06:00	129-00-0	

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ANALYTICAL RESULTS

Project: LAUREL BAY SAMPLING 7/29/08
Pace Project No.: 9224564

Sample: 392 ACORN E **Lab ID: 9224564018** Collected: 07/29/08 13:25 Received: 07/31/08 13:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM SPE	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3535							
Nitrobenzene-d5 (S)	56	%	50-150	1	08/04/08 00:00	08/13/08 06:00	4165-60-0	
2-Fluorobiphenyl (S)	54	%	50-150	1	08/04/08 00:00	08/13/08 06:00	321-60-8	
Terphenyl-d14 (S)	68	%	50-150	1	08/04/08 00:00	08/13/08 06:00	1718-51-0	
8260 MSV Low Level	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		08/06/08 00:15	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		08/06/08 00:15	100-41-4	
Naphthalene	ND	ug/L	2.0	1		08/06/08 00:15	91-20-3	
Toluene	**1.1**	ug/L	1.0	1		08/06/08 00:15	108-88-3	
m&p-Xylene	ND	ug/L	2.0	1		08/06/08 00:15	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		08/06/08 00:15	95-47-6	
4-Bromofluorobenzene (S)	98	%	87-109	1		08/06/08 00:15	460-00-4	
Dibromofluoromethane (S)	94	%	85-115	1		08/06/08 00:15	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	79-120	1		08/06/08 00:15	17060-07-0	
Toluene-d8 (S)	101	%	70-120	1		08/06/08 00:15	2037-26-5	

Sample: 398 ACORN A **Lab ID: 9224564019** Collected: 07/29/08 17:00 Received: 07/31/08 13:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM SPE	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3535							
Acenaphthene	**3.8**	ug/L	2.0	1	08/04/08 00:00	08/13/08 06:24	83-32-9	
Acenaphthylene	ND	ug/L	1.5	1	08/04/08 00:00	08/13/08 06:24	208-96-8	
Anthracene	**1.7**	ug/L	0.050	1	08/04/08 00:00	08/13/08 06:24	120-12-7	
Benzo(a)anthracene	**0.16**	ug/L	0.10	1	08/04/08 00:00	08/13/08 06:24	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.20	1	08/04/08 00:00	08/13/08 06:24	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.30	1	08/04/08 00:00	08/13/08 06:24	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.20	1	08/04/08 00:00	08/13/08 06:24	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.20	1	08/04/08 00:00	08/13/08 06:24	207-08-9	
Chrysene	**0.14**	ug/L	0.10	1	08/04/08 00:00	08/13/08 06:24	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.20	1	08/04/08 00:00	08/13/08 06:24	53-70-3	
Fluoranthene	**0.75**	ug/L	0.30	1	08/04/08 00:00	08/13/08 06:24	206-44-0	
Fluorene	**7.1**	ug/L	0.31	1	08/04/08 00:00	08/13/08 06:24	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.20	1	08/04/08 00:00	08/13/08 06:24	193-39-5	
1-Methylnaphthalene	**90.4**	ug/L	10.0	5	08/04/08 00:00	08/13/08 18:38	90-12-0	
2-Methylnaphthalene	**139**	ug/L	10.0	5	08/04/08 00:00	08/13/08 18:38	91-57-6	
Naphthalene	**39.4**	ug/L	1.5	1	08/04/08 00:00	08/13/08 06:24	91-20-3	
Phenanthrene	**13.2**	ug/L	0.20	1	08/04/08 00:00	08/13/08 06:24	85-01-8	
Pyrene	**0.58**	ug/L	0.10	1	08/04/08 00:00	08/13/08 06:24	129-00-0	
Nitrobenzene-d5 (S)	51	%	50-150	1	08/04/08 00:00	08/13/08 06:24	4165-60-0	
2-Fluorobiphenyl (S)	64	%	50-150	1	08/04/08 00:00	08/13/08 06:24	321-60-8	
Terphenyl-d14 (S)	84	%	50-150	1	08/04/08 00:00	08/13/08 06:24	1718-51-0	
8260 MSV Low Level	Analytical Method: EPA 8260							
Benzene	**1.8**	ug/L	1.0	1		08/06/08 00:39	71-43-2	

Volatile Organic Compounds by GC/MS

Client: **AECOM - Resolution Consultants**
Laboratory ID: **QE21004-023**
Description: **BEALB392TW02WG20150521**
Matrix: **Aqueous**
Date Sampled: **05/21/2015 1455**
Date Received: **05/22/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	05/27/2015 1620	EH1		75865

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Benzene	71-43-2	8260B	ND		5.0	0.21	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.17	ug/L	1
Naphthalene	91-20-3	8260B	ND		5.0	0.32	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	0.16	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	0.19	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		102	75-120
1,2-Dichloroethane-d4		100	70-120
Toluene-d8		109	85-120
Dibromofluoromethane		103	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: **QE21004-023**
Description: **BEALB392TW02WG20150521**
Matrix: **Aqueous**
Date Sampled: **05/21/2015 1455**
Date Received: **05/22/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D (SIM)	1	05/28/2015 0151	RBH	05/26/2015 1543	75778

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

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Methylnaphthalene-d10		68	15-139
Fluoranthene-d10		77	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

Appendix D
Regulatory Correspondence

CDM - AECOM
Multimedia Joint Venture

D H E C
PROMOTE PROTECT PROSPER

10 September 2008

Beaufort Military Complex Family Housing
ATTN: Kyle Broadfoot
1510 Laurel Bay Blvd.
Beaufort, SC 29906

Re: MCAS – Laurel Bay Housing – 392 Acorn
Site ID # 04049
UST Closure Reports received 31 January 2008
Beaufort County

Dear Mr. Broadfoot:

The purpose of this letter is to verify a release of fuel oil at the referenced residence. According to information received by the Department, the source of the release is from past onsite use of fuel oil USTs. To date, initial activities by the facility have included tank removal and soil sampling. Based on the information contained in the closure report, a potential violation of the South Carolina Pollution Control Act has occurred in that there has been an unauthorized release of petroleum to the environment.

Additional assessment activities are required for this site. Specifically the Department requests that a groundwater sample be collected from this site. Please note, the Department approved a groundwater sampling proposal for Laurel Bay submitted by MCAS under separate cover dated 16 June 2008.

Should you have any questions, please contact me at 803-898-3553 (office phone), 803-898-2893 (fax) or bishopma@dhec.sc.gov.

Sincerely,

Michael Bishop, Hydrogeologist
Groundwater Quality Section
Bureau of Water

cc: Region 8 District EQC (via pdf)
MCAS, Commanding Officer, Attention: S-4 NREAO (William Drawdy) (via pdf)
Technical File (via pdf)

D H E C

PROMOTE PROTECT PROSPER

Catherine B. Templeton, Director

May 15, 2014

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

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

Dear Mr. Drawdy,

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

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

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

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

Sincerely,

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

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

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

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

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

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

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

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

Division of Waste Management
Bureau of Land and Waste Management

February 22, 2016

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

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

Dear Mr. Drawdy,

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

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

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

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

Sincerely,

Laurel Petrus
RCRA Federal Facilities Section

Attachment: Specific Property Recommendations

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

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

Draft Final Initial Groundwater Investigation Report for (143 addresses)

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

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