SUMMARY REPORT
27 BEECH STREET (FORMERLY 252 BEECH STREET)
LAUREL BAY MILITARY HOUSING AREA
MARINE CORPS AIR STATION BEAUFORT
BEAUFORT, SC

Revision: 0

Prepared for:

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

and

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

JUNE 2021

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Prepared by:

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

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

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Appendices

List of Acronyms

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

1.0 INTRODUCTION

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

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

This report summarizes the results the environmental investigation activities associated with the storage of home heating oil and the potential release of petroleum constituents at the referenced property. Based on the results of the investigation, a No Further Action (NFA) determination has been made by the South Carolina Department of Health and Environmental Control (SCDHEC) for 27 Beech Street (Formerly 252 Beech Street). This NFA determination indicates that there are no unacceptable risks to human health or the environment for the petroleum constituents associated with the home heating oil USTs. The following information is included in this report:

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

1.1 Background Information

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

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

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

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

1.2 UST Removal and Assessment Process

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

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

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

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

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

2.0 SAMPLING ACTIVITIES AND RESULTS

The following section presents the sampling activities and associated results for 27 Beech Street (Formerly 252 Beech Street). Details regarding the soil investigation at this site are provided in the *SCDHEC UST Assessment Report – 252 Beech Street* (MCAS Beaufort, 2008) and *SCDHEC UST Assessment Report – 252 Beech Street* (MCAS Beaufort, 2015). The UST Assessment Reports are provided in Appendix B.

2.1 UST Removal and Soil Sampling

Two 280 gallon heating oil USTs were removed at 27 Beech Street (Formerly 252 Beech Street). Tank 1 was removed on July 18, 2007, from the front of the house. Tank 2 was removed on September 24, 2014, from the front yard adjacent to the driveway. The former UST locations are indicated in the figures of the UST Assessment Reports (Appendix B). The USTs were removed and properly disposed of (i.e., shipped offsite for recycling or transported to a landfill). There was no visual evidence (i.e., staining or sheen) of petroleum impact at the time of the

UST removals. According to the UST Assessment Reports (Appendix B), the depths to the bases of the USTs were 5'0" bgs (Tank 1) and 4'9" bgs (Tank 2) and a sample was collected for each from those depths. An additional soil sample was collected at the side of the excavation at a depth of 3'4" bgs (Tank 1). The samples were collected from the fill port side of the former USTs to represent a worst case scenario.

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

2.2 Soil Analytical Results

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

The soil sample results were submitted by MCAS Beaufort to SCDHEC utilizing SCDHEC's UST Assessment Report form (Appendix B). The results of the soil sampling at the former UST locations (Tanks 1 and 2) were used by MCAS Beaufort, in consultation with SCDHEC, to determine a path forward (i.e., additional sampling or NFA) for the property. The soil results collected from the former UST locations (Tanks 1 and 2) at 27 Beech Street (Formerly 252 Beech Street) were less than the SCDHEC RBSLs, which indicated the subsurface was not impacted by COPCs associated with the former USTs at concentrations that presented a potential risk to human health and the environment.

3.0 PROPERTY STATUS

Based on the analytical results for soil, SCDHEC made the determination that NFA was required for 27 Beech Street (Formerly 252 Beech Street). This NFA determination was obtained in a letters dated August 14, 2008 and July 1, 2015. SCDHEC's NFA letters are provided in Appendix C.

4.0 REFERENCES

Marine Corps Air Station Beaufort, 2008. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 252 Beech Street, Laurel Bay Military Housing Area*, January 2008.

Marine Corps Air Station Beaufort, 2015. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 252 Beech Street, Laurel Bay Military Housing Area*, March 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.

Table

Table 1
Laboratory Analytical Results - Soil
27 Beech Street (Formerly 252 Beech Street)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs [1]	Results Sample Collected 07/18/07 and 09/24/14		
		252 Beech Bottom 01 07/18/07	252 Beech Side 02 07/18/07	252 Beech 09/24/14
Volatile Organic Compounds Analyzed by EPA Method 8260B (mg/kg)				
Benzene	0.003	ND	ND	ND
Ethylbenzene	1.15	ND	ND	ND
Naphthalene	0.036	ND	**0.000208**	ND
Toluene	0.627	**0.000393**	**0.000237**	ND
Xylenes, Total	13.01	ND	**0.000110**	ND
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (mg/kg)				
Benzo(a)anthracene	0.66	ND	ND	ND
Benzo(b)fluoranthene	0.66	ND	ND	ND
Benzo(k)fluoranthene	0.66	ND	ND	ND
Chrysene	0.66	ND	ND	ND
Dibenz(a,h)anthracene	0.66	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 1.0, 1.1 3.0 and 3.1 (SCDHEC, May 2001; SCDHEC, February 2011; SCDHEC, May 2015 and SCDHEC, February 2016) and the Underground Storage Tank Assessment Guidelines (SCDHEC, February 2006).

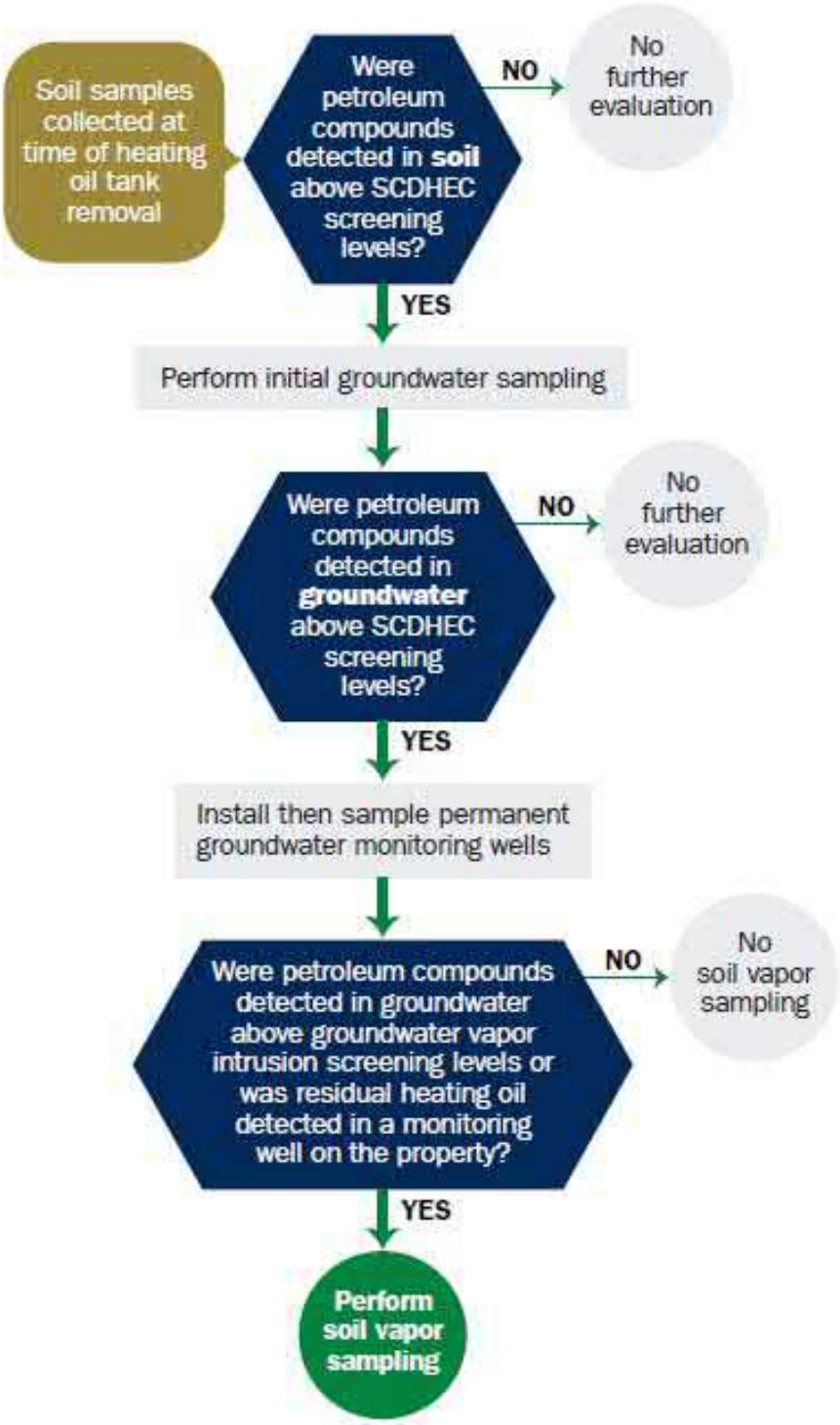
Bold font indicates the analyte was detected.
Bold font and shading indicates the concentration exceeds the SCDHEC RBSL.
EPA - United States Environmental Protection Agency
mg/kg - milligram per kilogram

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

RBSL - Risk-Based Screening Level
SCDHEC - South Carolina Department Of Health and Environmental Control

Appendix A
Multi-Media Selection Process for LBMH

CDM - AECOM
Multimedia Joint Venture



Appendix A - Multi-Media Selection Process for LBMH

Appendix B
UST Assessment Reports

CDM - AECOM
Multimedia Joint Venture

Attachment 1

South Carolina Department of Health and Environmental Control (SCDHEC)

Underground Storage Tank (UST) Assessment Report

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

252 Beech
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).....	350g. (APPROX)					
C. Age.....						
D. Construction Material..(ex. Steel, FRP).....	steel					
E. Month/Year of Last Use.....						
F. Depth (ft.) To Base of Tank.....	60"					
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.....	7-18-07					
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)

Republic Broadhurst Landfill

Solidification + 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 Corrosion was present on the fill pipe and vent pipe. —

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. SAMPLE 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 #
						ECHEVARRIA	
1	BOTTOM	S	SAND	60"	7-18-07 1340	A. Manning	ND
2	SIDE	S	SAND	40"	1340	A. Manning	ND
3							
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)								

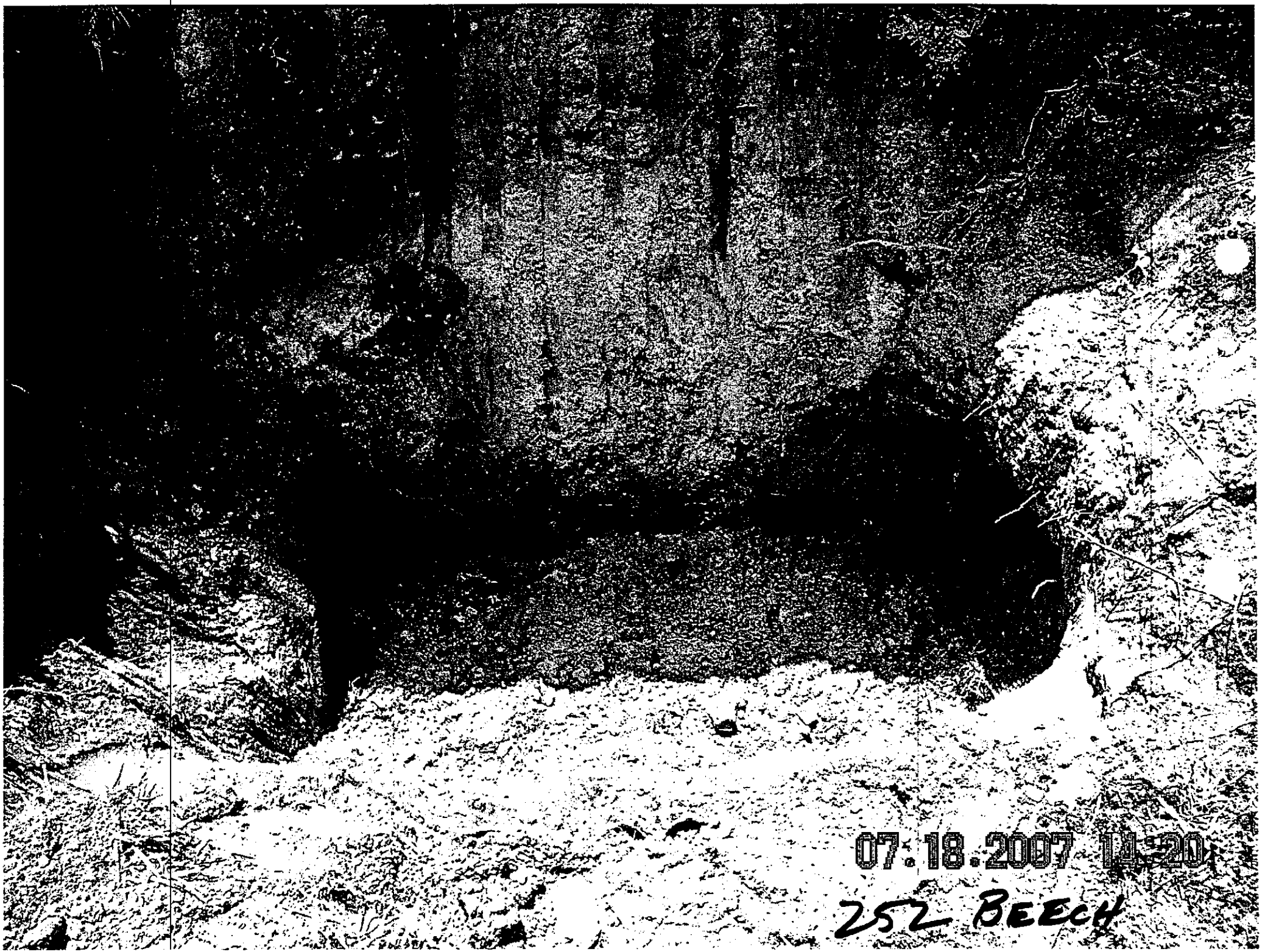
SUMMARY OF ANALYSIS RESULTS (cont'd) N/A

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.

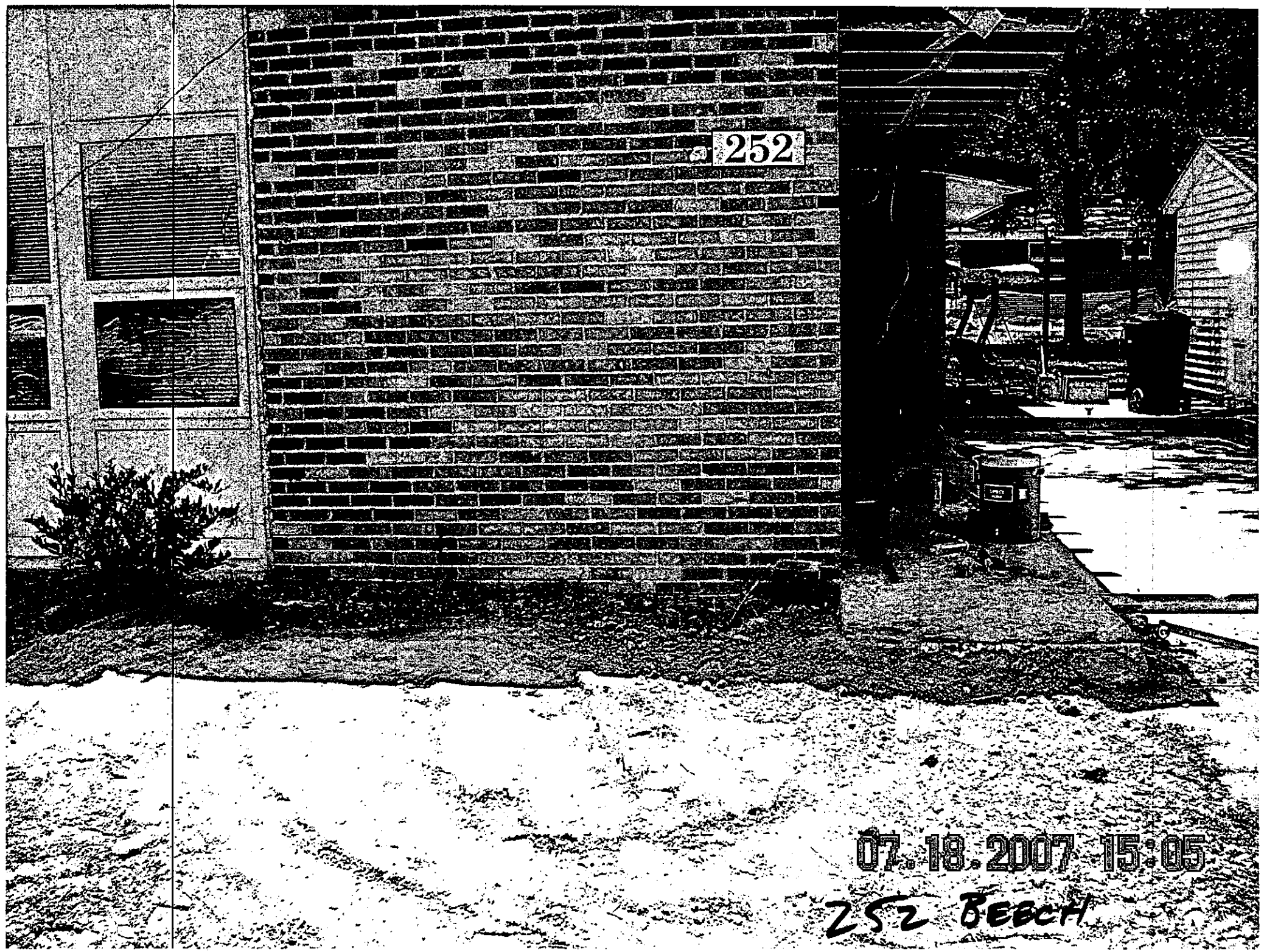
CoC	RBSL (µg/l)	W-1	W-2	W -3	W -4
Free Product Thickness	None				
Benzene	5				
Toluene	1,000				
Ethylbenzene	700				
Xylenes	10,000				
Total BTEX	N/A				
MTBE	40				
Naphthalene	25				
Benzo(a)anthracene	10				
Benzo(b)flouranthene	10				
Benzo(k)flouranthene	10				
Chrysene	10				
Dibenz(a,h)anthracene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


252
252 BEECH

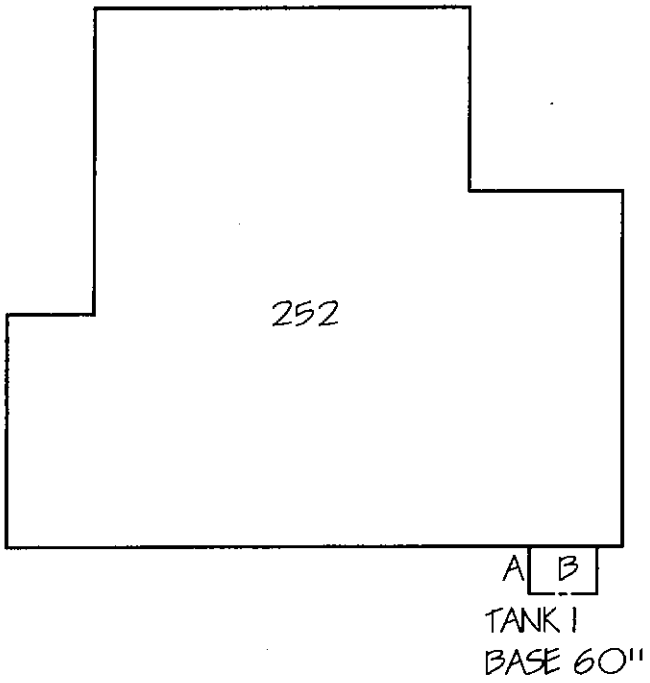
DSZ-BECH


07.18.2007 11:20:
252 BEECH


07:18:2007 TU 20
Beech


252
07.18.2007 15:05
252 BEECH


07-18-2007 15:06



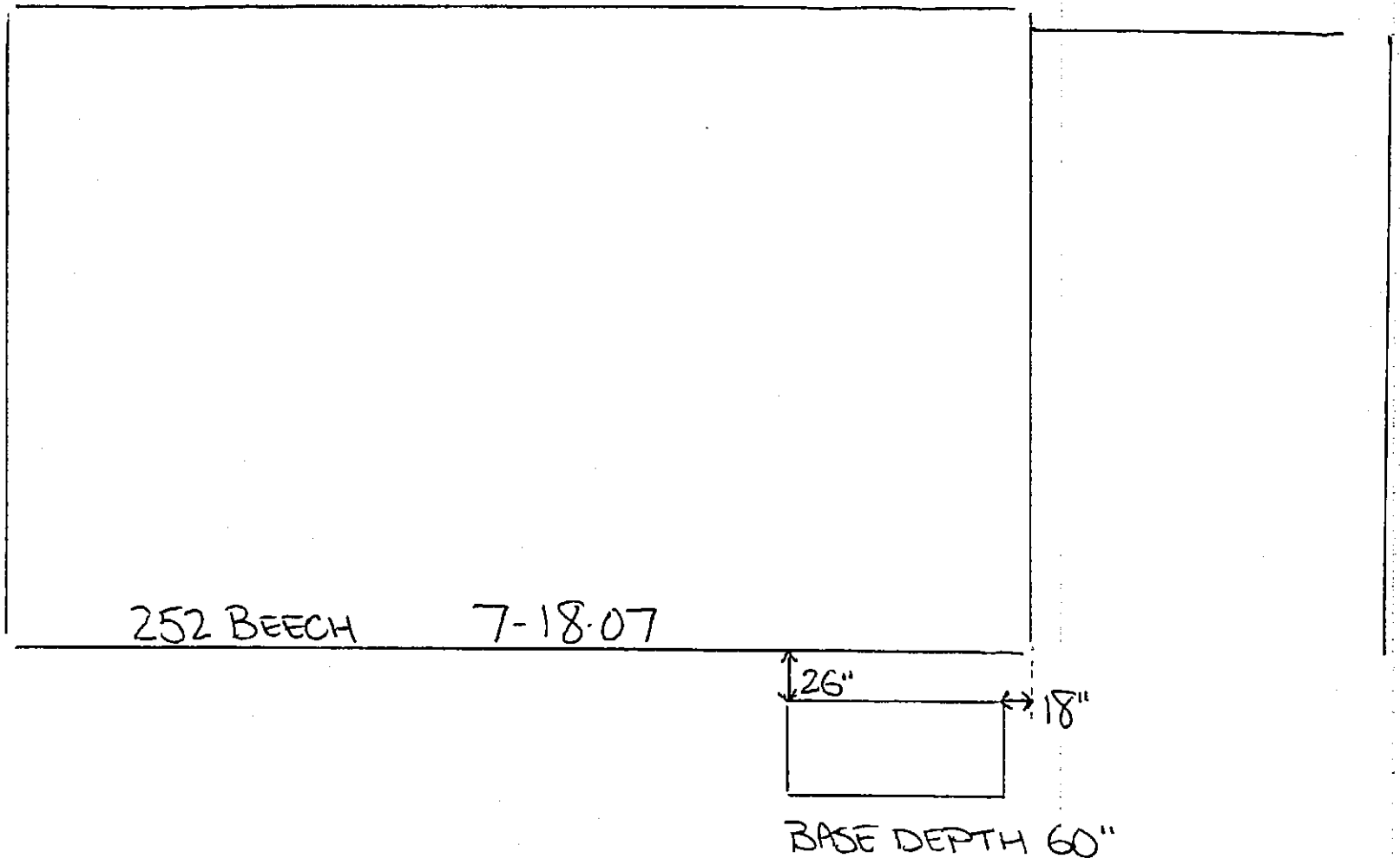
BEECH STREET

N

TANK 1 EXCAVATION

A-SOIL TEST SIDE SAMPLE @ 40"
B-SOIL TEST BOTTOM SAMPLE @ 60"

CUSTOMER: BEAUFORT MILITARY COMPLEX FAMILY HOUSING	SCALE: 1/16"=1'-0"	EPG INC.
SITE ADDRESS: 252 BEECH STREET	SUPPLIER: EPG INC.	P.O. BOX 1096
	DATE: 9/22/2007	MOUNT PLEASANT, SC 29465-1096


252 BEECH
7-18-07
26"
18"
BASE DEPTH 60"

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)

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

Work Order: OQG0504
Project: LAUREL BAY
Project Number: EP2362

Sampled: 07/16/07-07/20/07
Received: 07/25/07

LABORATORY REPORT

Sample ID: 1007 FOXGLOVE SIDE 02 - Lab Number: OQG0504-12 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
Volatile Organic Compounds by EPA Method 8260B - Cont.											
91-20-3	Naphthalene	0.137	Q,U	ug/kg dry	0.137	0.249	1	08/02/07 17:43	JWT	EPA 8260B	7H03001
108-88-3	**Toluene**	**0.428**	Q	ug/kg dry	0.215	0.249	1	08/02/07 17:43	JWT	EPA 8260B	7H03001
1330-20-7	**Xylenes, total**	**0.269**	Q	ug/kg dry	0.129	0.249	1	08/02/07 17:43	JWT	EPA 8260B	7H03001
Surrogate: 1,2-Dichloroethane-d4 (73-137%)		*125 %*									
Surrogate: 4-Bromofluorobenzene (59-118%)		*99 %*									
Surrogate: Dibromofluoromethane (55-145%)		*106 %*									
Surrogate: Toluene-d8 (80-117%)		*100 %*									
Polynuclear Aromatic Hydrocarbons by EPA Method 8270											
83-32-9	Acenaphthene	79.2	U	ug/kg dry	79.2	179	1	07/31/07 02:19	REM	EPA 8270C	7G27018
208-96-8	Acenaphthylene	105	U	ug/kg dry	105	179	1	07/31/07 02:19	REM	EPA 8270C	7G27018
120-12-7	Anthracene	57.0	U	ug/kg dry	57.0	179	1	07/31/07 02:19	REM	EPA 8270C	7G27018
56-55-3	Benzo (a) anthracene	19.4	U	ug/kg dry	19.4	179	1	07/31/07 02:19	REM	EPA 8270C	7G27018
205-99-2	Benzo (b) fluoranthene	18.8	U	ug/kg dry	18.8	179	1	07/31/07 02:19	REM	EPA 8270C	7G27018
207-08-9	Benzo (k) fluoranthene	18.8	U	ug/kg dry	18.8	179	1	07/31/07 02:19	REM	EPA 8270C	7G27018
191-24-2	Benzo (g,h,i) perylene	18.6	U	ug/kg dry	18.6	179	1	07/31/07 02:19	REM	EPA 8270C	7G27018
50-32-8	Benzo (a) pyrene	22.0	U	ug/kg dry	22.0	179	1	07/31/07 02:19	REM	EPA 8270C	7G27018
90-12-0	1-Methylnaphthalene	89.8	U	ug/kg dry	89.8	179	1	07/31/07 02:19	REM	EPA 8270C	7G27018
218-01-9	Chrysene	21.4	U	ug/kg dry	21.4	179	1	07/31/07 02:19	REM	EPA 8270C	7G27018
53-70-3	Dibenz (a,h) anthracene	23.5	U	ug/kg dry	23.5	179	1	07/31/07 02:19	REM	EPA 8270C	7G27018
206-44-0	Fluoranthene	25.7	U	ug/kg dry	25.7	179	1	07/31/07 02:19	REM	EPA 8270C	7G27018
86-73-7	Fluorene	70.0	U	ug/kg dry	70.0	179	1	07/31/07 02:19	REM	EPA 8270C	7G27018
193-39-5	Indeno (1,2,3-cd) pyrene	23.2	U	ug/kg dry	23.2	179	1	07/31/07 02:19	REM	EPA 8270C	7G27018
91-57-6	2-Methylnaphthalene	76.2	U	ug/kg dry	76.2	179	1	07/31/07 02:19	REM	EPA 8270C	7G27018
91-20-3	Naphthalene	71.8	U	ug/kg dry	71.8	179	1	07/31/07 02:19	REM	EPA 8270C	7G27018
85-01-8	Phenanthrene	42.2	U	ug/kg dry	42.2	179	1	07/31/07 02:19	REM	EPA 8270C	7G27018
129-00-0	Pyrene	36.3	U	ug/kg dry	36.3	179	1	07/31/07 02:19	REM	EPA 8270C	7G27018
Surrogate: 2-Fluorobiphenyl (24-121%)		*46 %*									
Surrogate: Nitrobenzene-d5 (19-111%)		*44 %*									
Surrogate: Terphenyl-d14 (44-171%)		*89 %*									

LABORATORY REPORT

Sample ID: 252 BEECH BOTTOM 01 - Lab Number: OQG0504-13 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
N/A	% Solids	83.4	Q	%.	0.100	0.100	1	07/26/07 17:40	RRP	EPA 160.3	7G26056
Volatile Organic Compounds by EPA Method 8260B											
71-43-2	Benzene	0.124	Q,U	ug/kg dry	0.124	0.338	1	08/02/07 18:00	JWT	EPA 8260B	7H03001
100-41-4	Ethylbenzene	0.143	Q,U	ug/kg dry	0.143	0.338	1	08/02/07 18:00	JWT	EPA 8260B	7H03001
91-20-3	Naphthalene	0.187	Q,U	ug/kg dry	0.187	0.338	1	08/02/07 18:00	JWT	EPA 8260B	7H03001
108-88-3	**Toluene**	**0.393**	Q	ug/kg dry	0.292	0.338	1	08/02/07 18:00	JWT	EPA 8260B	7H03001
1330-20-7	Xylenes, total	0.176	Q,U	ug/kg dry	0.176	0.338	1	08/02/07 18:00	JWT	EPA 8260B	7H03001
Surrogate: 1,2-Dichloroethane-d4 (73-137%)		*125 %*									

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

Work Order: OQG0504
Project: LAUREL BAY
Project Number: EP2362

Sampled: 07/16/07-07/20/07
Received: 07/25/07

LABORATORY REPORT
Sample ID: 252 BEECH BOTTOM 01 - Lab Number: OQG0504-13 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
Volatile Organic Compounds by EPA Method 8260B - Cont.											
Surrogate: 4-Bromofluorobenzene (59-118%)		*105 %*									
Surrogate: Dibromofluoromethane (55-145%)		*109 %*									
Surrogate: Toluene-d8 (80-117%)		*103 %*									
Polynuclear Aromatic Hydrocarbons by EPA Method 8270											
83-32-9	Acenaphthene	88.7	U	ug/kg dry	88.7	200	1	07/31/07 02:41	REM	EPA 8270C	7G27018
208-96-8	Acenaphthylene	117	U	ug/kg dry	117	200	1	07/31/07 02:41	REM	EPA 8270C	7G27018
120-12-7	Anthracene	63.9	U	ug/kg dry	63.9	200	1	07/31/07 02:41	REM	EPA 8270C	7G27018
56-55-3	Benzo (a) anthracene	21.7	U	ug/kg dry	21.7	200	1	07/31/07 02:41	REM	EPA 8270C	7G27018
205-99-2	Benzo (b) fluoranthene	21.1	U	ug/kg dry	21.1	200	1	07/31/07 02:41	REM	EPA 8270C	7G27018
207-08-9	Benzo (k) fluoranthene	21.1	U	ug/kg dry	21.1	200	1	07/31/07 02:41	REM	EPA 8270C	7G27018
191-24-2	Benzo (g,h,i) perylene	20.8	U	ug/kg dry	20.8	200	1	07/31/07 02:41	REM	EPA 8270C	7G27018
50-32-8	Benzo (a) pyrene	24.6	U	ug/kg dry	24.6	200	1	07/31/07 02:41	REM	EPA 8270C	7G27018
90-12-0	1-Methylnaphthalene	101	U	ug/kg dry	101	200	1	07/31/07 02:41	REM	EPA 8270C	7G27018
218-01-9	Chrysene	24.0	U	ug/kg dry	24.0	200	1	07/31/07 02:41	REM	EPA 8270C	7G27018
53-70-3	Dibenz (a,h) anthracene	26.3	U	ug/kg dry	26.3	200	1	07/31/07 02:41	REM	EPA 8270C	7G27018
206-44-0	Fluoranthene	28.8	U	ug/kg dry	28.8	200	1	07/31/07 02:41	REM	EPA 8270C	7G27018
86-73-7	Fluorene	78.4	U	ug/kg dry	78.4	200	1	07/31/07 02:41	REM	EPA 8270C	7G27018
193-39-5	Indeno (1,2,3-cd) pyrene	25.9	U	ug/kg dry	25.9	200	1	07/31/07 02:41	REM	EPA 8270C	7G27018
91-57-6	2-Methylnaphthalene	85.4	U	ug/kg dry	85.4	200	1	07/31/07 02:41	REM	EPA 8270C	7G27018
91-20-3	Naphthalene	80.4	U	ug/kg dry	80.4	200	1	07/31/07 02:41	REM	EPA 8270C	7G27018
85-01-8	Phenanthrene	47.2	U	ug/kg dry	47.2	200	1	07/31/07 02:41	REM	EPA 8270C	7G27018
129-00-0	Pyrene	40.7	U	ug/kg dry	40.7	200	1	07/31/07 02:41	REM	EPA 8270C	7G27018
Surrogate: 2-Fluorobiphenyl (24-121%)		*67 %*									
Surrogate: Nitrobenzene-d5 (19-111%)		*68 %*									
Surrogate: Terphenyl-d14 (44-171%)		*113 %*									

LABORATORY REPORT
Sample ID: 252 BEECH SIDE 02 - Lab Number: OQG0504-14 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
N/A	% Solids	**92.6**	Q	%.	0.100	0.100	1	07/26/07 17:40	RRP	EPA 160.3	7G26056
Volatile Organic Compounds by EPA Method 8260B											
71-43-2	Benzene	0.0748	Q,U	ug/kg dry	0.0748	0.204	1	08/02/07 18:17	JWT	EPA 8260B	7H03001
100-41-4	Ethylbenzene	0.0864	Q,U	ug/kg dry	0.0864	0.204	1	08/02/07 18:17	JWT	EPA 8260B	7H03001
91-20-3	Naphthalene	**0.208**	Q	ug/kg dry	0.113	0.204	1	08/02/07 18:17	JWT	EPA 8260B	7H03001
108-88-3	Toluene	**0.237**	Q	ug/kg dry	0.177	0.204	1	08/02/07 18:17	JWT	EPA 8260B	7H03001
1330-20-7	Xylenes, total	**0.110**	Q,I	ug/kg dry	0.106	0.204	1	08/02/07 18:17	JWT	EPA 8260B	7H03001
Surrogate: 1,2-Dichloroethane-d4 (73-137%)		*135 %*									
Surrogate: 4-Bromofluorobenzene (59-118%)		*105 %*									
Surrogate: Dibromofluoromethane (55-145%)		*110 %*									
Surrogate: Toluene-d8 (80-117%)		*102 %*									
Polynuclear Aromatic Hydrocarbons by EPA Method 8270											

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

Work Order: OQG0504
Project: LAUREL BAY
Project Number: EP2362

Sampled: 07/16/07-07/20/07
Received: 07/25/07

LABORATORY REPORT
Sample ID: 252 BEECH SIDE 02 - Lab Number: OQG0504-14 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
Polynuclear Aromatic Hydrocarbons by EPA Method 8270											
83-32-9	Acenaphthene	79.9	U	ug/kg dry	79.9	180	1	07/31/07 03:04	REM	EPA 8270C	7G27018
208-96-8	Acenaphthylene	105	U	ug/kg dry	105	180	1	07/31/07 03:04	REM	EPA 8270C	7G27018
120-12-7	Anthracene	57.5	U	ug/kg dry	57.5	180	1	07/31/07 03:04	REM	EPA 8270C	7G27018
56-55-3	Benzo (a) anthracene	19.5	U	ug/kg dry	19.5	180	1	07/31/07 03:04	REM	EPA 8270C	7G27018
205-99-2	Benzo (b) fluoranthene	19.0	U	ug/kg dry	19.0	180	1	07/31/07 03:04	REM	EPA 8270C	7G27018
207-08-9	Benzo (k) fluoranthene	19.0	U	ug/kg dry	19.0	180	1	07/31/07 03:04	REM	EPA 8270C	7G27018
191-24-2	Benzo (g,h,i) perylene	18.7	U	ug/kg dry	18.7	180	1	07/31/07 03:04	REM	EPA 8270C	7G27018
50-32-8	Benzo (a) pyrene	22.2	U	ug/kg dry	22.2	180	1	07/31/07 03:04	REM	EPA 8270C	7G27018
90-12-0	1-Methylnaphthalene	90.5	U	ug/kg dry	90.5	180	1	07/31/07 03:04	REM	EPA 8270C	7G27018
218-01-9	Chrysene	21.6	U	ug/kg dry	21.6	180	1	07/31/07 03:04	REM	EPA 8270C	7G27018
53-70-3	Dibenz (a,h) anthracene	23.7	U	ug/kg dry	23.7	180	1	07/31/07 03:04	REM	EPA 8270C	7G27018
206-44-0	Fluoranthene	25.9	U	ug/kg dry	25.9	180	1	07/31/07 03:04	REM	EPA 8270C	7G27018
86-73-7	Fluorene	70.6	U	ug/kg dry	70.6	180	1	07/31/07 03:04	REM	EPA 8270C	7G27018
193-39-5	Indeno (1,2,3-cd) pyrene	23.3	U	ug/kg dry	23.3	180	1	07/31/07 03:04	REM	EPA 8270C	7G27018
91-57-6	2-Methylnaphthalene	76.9	U	ug/kg dry	76.9	180	1	07/31/07 03:04	REM	EPA 8270C	7G27018
91-20-3	Naphthalene	72.4	U	ug/kg dry	72.4	180	1	07/31/07 03:04	REM	EPA 8270C	7G27018
85-01-8	Phenanthrene	42.5	U	ug/kg dry	42.5	180	1	07/31/07 03:04	REM	EPA 8270C	7G27018
129-00-0	Pyrene	36.6	U	ug/kg dry	36.6	180	1	07/31/07 03:04	REM	EPA 8270C	7G27018
Surrogate: 2-Fluorobiphenyl (24-121%)		*55 %*									
Surrogate: Nitrobenzene-d5 (19-111%)		*54 %*									
Surrogate: Terphenyl-d14 (44-171%)		*100 %*									

LABORATORY REPORT
Sample ID: 1100 IRIS BOTTOM 01 - Lab Number: OQG0504-15 - Matrix: Solid/Soil

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
N/A	% Solids	**80.3**		%.	0.100	0.100	1	07/26/07 17:40	RRP	EPA 160.3	7G26056
Volatile Organic Compounds by EPA Method 8260B											
71-43-2	Benzene	0.317	U	ug/kg dry	0.317	0.865	1	08/02/07 18:33	JWT	EPA 8260B	7H03001
100-41-4	Ethylbenzene	0.366	U	ug/kg dry	0.366	0.865	1	08/02/07 18:33	JWT	EPA 8260B	7H03001
91-20-3	Naphthalene	**0.536**	I	ug/kg dry	0.478	0.865	1	08/02/07 18:33	JWT	EPA 8260B	7H03001
108-88-3	**Toluene**	**0.813**	I	ug/kg dry	0.747	0.865	1	08/02/07 18:33	JWT	EPA 8260B	7H03001
330-20-7	Xylenes, total	0.449	U	ug/kg dry	0.449	0.865	1	08/02/07 18:33	JWT	EPA 8260B	7H03001
Surrogate: 1,2-Dichloroethane-d4 (73-137%)		*117 %*									
Surrogate: 4-Bromofluorobenzene (59-118%)		*104 %*									
Surrogate: Dibromofluoromethane (55-145%)		*107 %*									
Surrogate: Toluene-d8 (80-117%)		*103 %*									
Polynuclear Aromatic Hydrocarbons by EPA Method 8270											
83-32-9	Acenaphthene	92.2	U	ug/kg dry	92.2	208	1	07/31/07 03:26	REM	EPA 8270C	7G27018
208-96-8	Acenaphthylene	122	U	ug/kg dry	122	208	1	07/31/07 03:26	REM	EPA 8270C	7G27018
120-12-7	**Anthracene**	**88.8**	I	ug/kg dry	66.3	208	1	07/31/07 03:26	REM	EPA 8270C	7G27018
56-55-3	**Benzo (a) anthracene**	**1370**		ug/kg dry	22.5	208	1	07/31/07 03:26	REM	EPA 8270C	7G27018

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: EPG 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: HNO_3	HCl	NaOH	H_2SO_4	Methanol	# of Containers: None	Other (Specify)	Analyze For: BTEX + NAPTH 8260	PAH 8270	REMARKS
256 BEECH BOTTOM 01	7-16-07	1020	G							1	2	2	X	X	01
256 BEECH SIDE 02	7-16-07	1050	C							1	2	2	X	X	02
1025 FOXGLOVE BOTTOM 01	7-16-07	1420	G							1	2	2	X	X	03
1025 FOXGLOVE SIDE 02	7-16-07	1430	C							1	2	2	X	X	04
1019 FOXGLOVE BOTTOM 01	7-17-07	800	G							1	2	2	X	X	05
1019 FOXGLOVE SIDE 02	7-17-07	810	C							1	2	2	X	X	06
276 BIRCH BOTTOM 01	7-17-07	1300	G							1	2	2	X	X	07
276 BIRCH SIDE 02	7-17-07	1310	C							1	2	2	X	X	08
1011 FOXGLOVE BOTTOM 01	7-18-07	9:40	G							1	2	2	X	X	09
1011 FOXGLOVE SIDE 02	7-18-07	9:40	C							1	2	2	X	X	10

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

Special Instructions:

	Date	Time		Date	Time
Relinquished By: Chris Echevarria	7/24/07	0845	Received By:	7/24/07	0845
Relinquished By:	7/24/07	1730	Received By:	7/25	930
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

LABORATORY COMMENTS:
Init Lab Temp: 2.9
Rec Lab Temp:
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment: 8623 2591 1596 FedEx TOTA-Orlando

TestAmerica
ANALYTICAL TESTING CORPORATION

0860504

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

Client Name: EPG Client #: 2411
Address:
City/State/Zip Code:
Project Manager: John Mahoney
Telephone Number: Fax:
Sampler Name: (Print Name) Joseph Horry
Sampler Signature: Joseph Horry

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 8260	PAH 8270	
1007 Foxglove Bottom 01	7-18-07	1050	G							1	2	2	X	X	
1007 Foxglove Side 02	7-18-07	1050	C							1	2	2	X	X	
252 Beech Bottom 01	7-18-07	1340	G							1	2	2	X	X	
252 Beech Side 02	7-18-07	1340	C							1	2	2	X	X	
1100 Iris Bottom 01	7-19-07	1050	G							1	2	2	X	X	
1100 Iris Side 02	7-19-07	1050	C							1	2	2	X	X	
1108 Iris Bottom 01	7-19-07	1520	G							1	2	2	X	X	
1108 Iris Side 02	7-19-07	1330	C							1	2	2	X	X	
1112 Iris Bottom 01	7-20-07	940	G							1	2	2	X	X	
1112 Iris Side 02	7-20-07	950	C							1	2	2	X	X	

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

REMARKS

Special Instructions:

	Date:	Time:		Date:	Time:
Relinquished By: Chris Echevarria	7/24/07	0845	Received By:	7/24/07	0845
Relinquished By:	7/24/07	1730	Received By:	7/25	9:30
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

LABORATORY COMMENTS:
Init Lab Temp: 2°
Rec Lab Temp: 2°
Custody Seals: ___ N N/A
Bottles Supplied by Test America: Y N
Method of Shipment: 862325911600 FedEx TH-Orlando

DQ60504 page 3 of 3

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#:

8260

TAT	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 by 8260	PAH by 8270	QC Deliverables	REMARKS
X Standard __ Rush (surcharges may apply) Date Needed: _____ Fax Results: Y N	1035 RIS BOTTOM 01	7-20-07	1200	C							1	2	2	X	X	X None X Level 2 (Batch QC) __ Level 3 __ Level 4 Other: _____	21
	1035 RIS SIDE 02	7-20-07	1210	C							1	2	2	X	X		20

Special Instructions:

LABORATORY COMMENTS:
Init Lab Temp: 2.9
Rec Lab Temp:
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment: 862325911900 FedEx to TA-Orlando

	Date	Time		Date	Time
Relinquished By: Chris Echevarria	7/24/07	0845	Received By:	7/24/07	0845
Relinquished By:	7/24/07	1730	Received By:	7/25/07	0930
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

Attachment 1

South Carolina Department of Health and Environmental Control (SCDHEC)

Underground Storage Tank (UST) Assessment Report

Date Received

RECEIVED

State Use Only

MAR 17 2015

SC DHEC - Bureau of
Land & Waste Management

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

252 Beech Street, Laurel Bay Military Housing Area
Street Address or State Road (as applicable)

Beaufort,	Beaufort
City	County

Attachment 2

III. INSURANCE INFORMATION

Insurance Statement

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

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

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

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

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

IV. REQUEST FOR SUPERB FUNDING

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

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

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

_____
Name (Type or print.)

_____
Signature

To be completed by Notary Public:

Sworn before me this _____ day of_____, 20____

_____
(Name)

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

VI. UST INFORMATION

A.	Product...(ex. Gas, Kerosene).....	252Beech	
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.....	4'9"	
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.....	9/24/2014	
L.	Visible Holes Y/N.....	Yes	
		Yes	

M. Method of disposal for any USTs removed from the ground (attach disposal manifests)
UST 252Beech was removed from the ground and disposed of at a Subtitle "D" landfill. See Attachment "A".

N. Method of disposal for any liquid petroleum, sludges, or wastewaters removed from the USTs (attach disposal manifests)
UST 252Beech 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, pitting and holes were found throughout the tank.

VII. PIPING INFORMATION

A.	Construction Material..(ex. Steel, FRP).....	252Beech	
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.

Steel vent piping was corroded and pitted.

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? 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 #
252 Beech	Excav at fill end	Soil	Sandy	4'9"	9/24/14 1415 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.

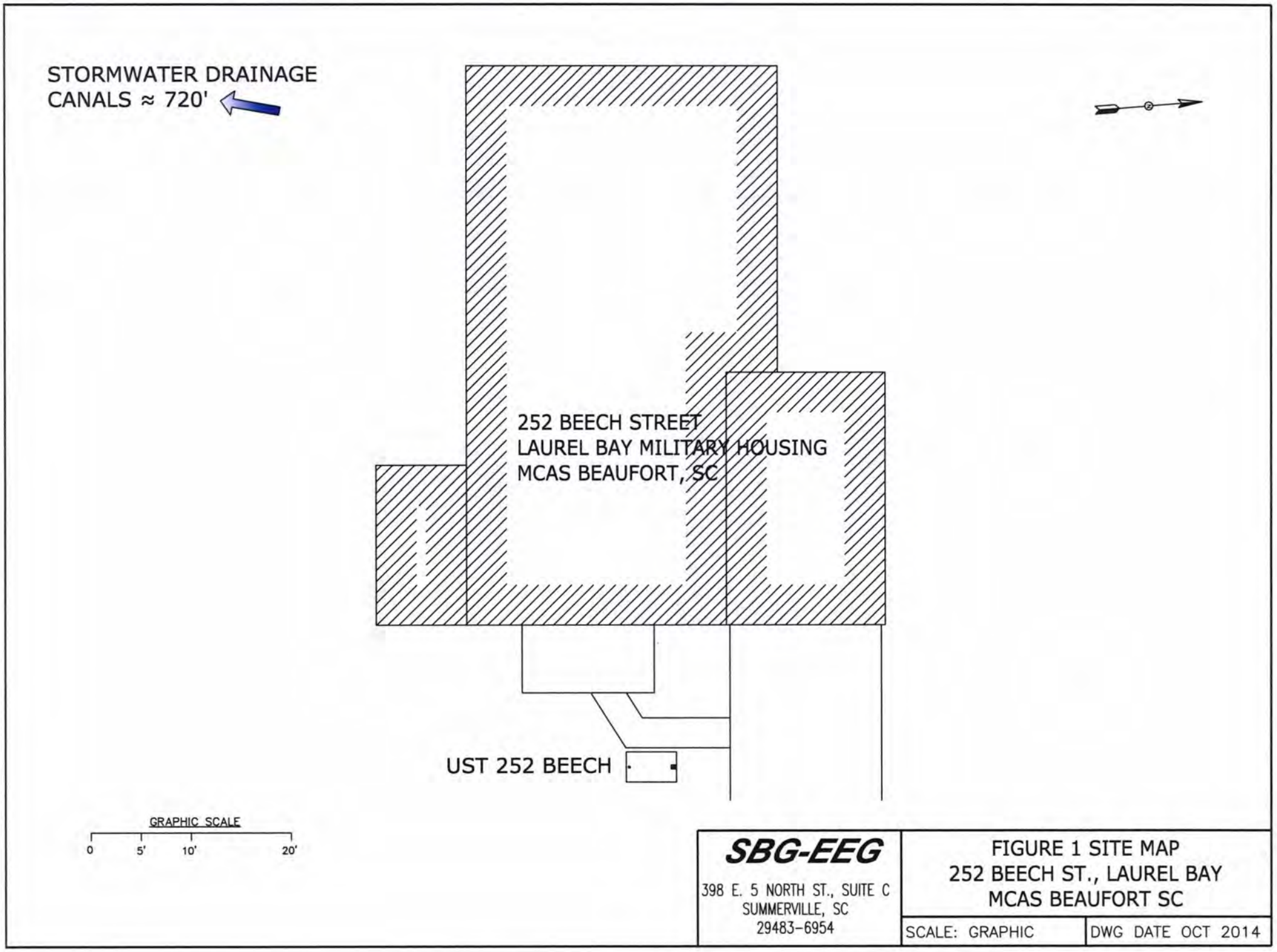
XII. RECEPTORS

		Yes	No
A.	Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the UST system? *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 & 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.

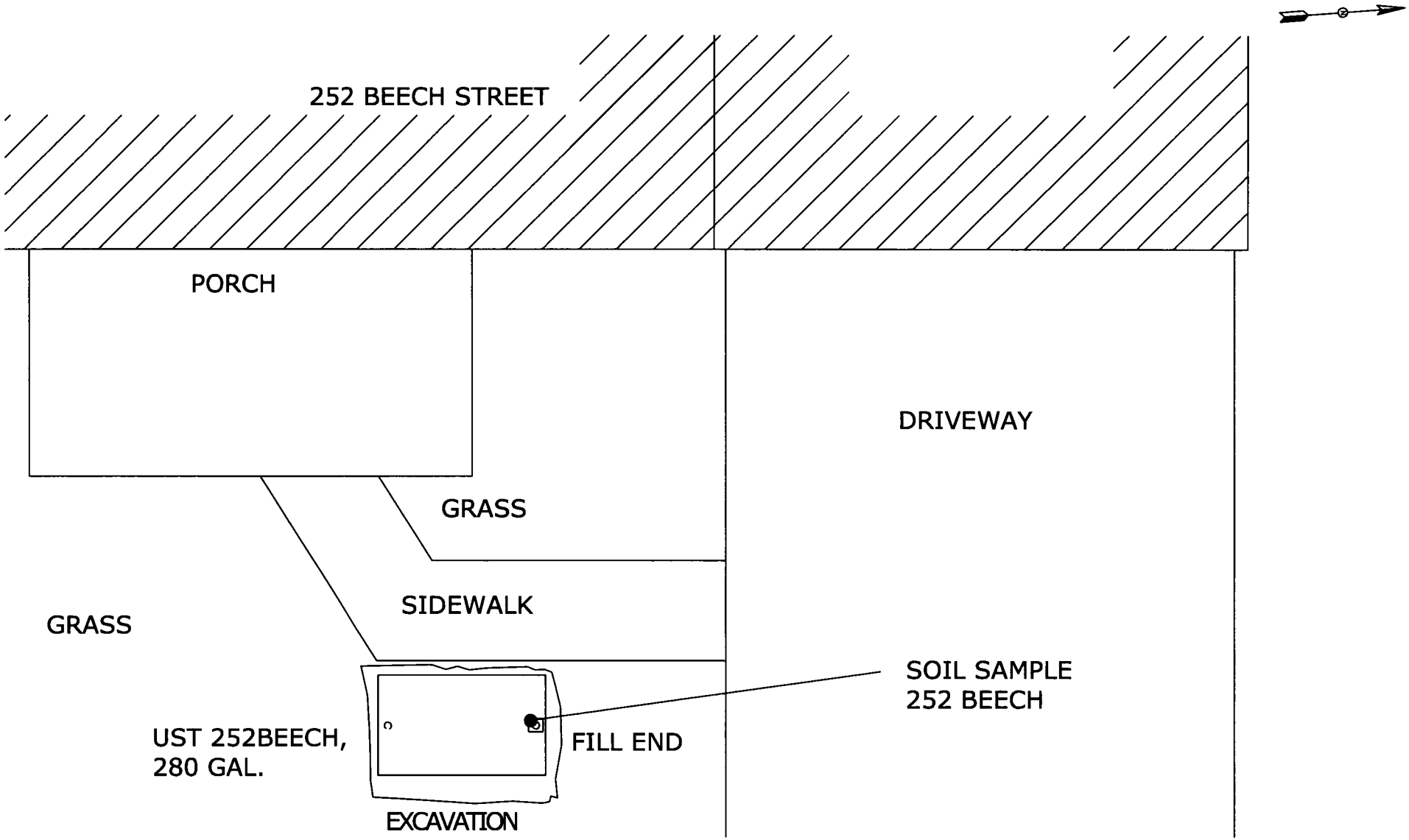
(Attach Site Map Here)



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

FIGURE 1 SITE MAP
252 BEECH ST., LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC | DWG DATE OCT 2014



GRAPHIC SCALE
0 5'

UST 252BEECH WAS
21" BELOW GRADE

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

FIGURE 2 UST SAMPLE LOCATION
252 BEECH ST., LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC | DWG DATE OCT 2014

Picture 1: Location of UST 252Beech.

Picture 2: UST 252Beech excavation.

Picture 3: Site after completion of work.

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	252Beech					
Benzene	ND					
Toluene	ND					
Ethylbenzene	ND					
Xylenes	ND					
Naphthalene	ND					
Benzo (a) anthracene	ND					
Benzo (b) fluoranthene	ND					
Benzo (k) fluoranthene	ND					
Chrysene	ND					
Dibenz (a, h) anthracene	ND					
TPH (EPA 3550)						

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

SUMMARY OF ANALYSIS RESULTS (cont'd)

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

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

XV. ANALYTICAL RESULTS

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

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Tel: (615)726-0177

TestAmerica Job ID: 490-62548-1
Client Project/Site: Laurel Bay Housing Project

For:
Small Business Group Inc.
10179 Highway 78
Ladson, South Carolina 29456

Attn: Tom McElwee

Authorized for release by:
10/13/2014 11:32:07 AM

Ken Hayes, Project Manager II
(615)301-5035
ken.hayes@testamericainc.com

Table of Contents

Sample Summary

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-62548-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-62548-1	252 Beech	Soil	09/24/14 14:15	09/30/14 08:40
490-62548-2	401 Elderbrerry	Soil	09/25/14 12:45	09/30/14 08:40

Case Narrative

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-62548-1

Job ID: 490-62548-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-62548-1

Comments
No additional comments.

Receipt
The samples were received on 9/30/2014 8:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 1.6° C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC/MS Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-62548-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-62548-1

Client Sample ID: 252 Beech
Date Collected: 09/24/14 14:15
Date Received: 09/30/14 08:40

Lab Sample ID: 490-62548-1
Matrix: Soil
Percent Solids: 82.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00197	0.000661	mg/Kg	¤	10/01/14 08:15	10/08/14 02:59	1
Ethylbenzene	ND		0.00197	0.000661	mg/Kg	¤	10/01/14 08:15	10/08/14 02:59	1
Naphthalene	ND		0.00493	0.00168	mg/Kg	¤	10/01/14 08:15	10/08/14 02:59	1
Toluene	ND		0.00197	0.000730	mg/Kg	¤	10/01/14 08:15	10/08/14 02:59	1
Xylenes, Total	ND		0.00296	0.000661	mg/Kg	¤	10/01/14 08:15	10/08/14 02:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*70 - 130*	*10/01/14 08:15*	*10/08/14 02:59*	*1*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*10/01/14 08:15*	*10/08/14 02:59*	*1*
Dibromofluoromethane (Surr)	*108*		*70 - 130*	*10/01/14 08:15*	*10/08/14 02:59*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*	*10/01/14 08:15*	*10/08/14 02:59*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0612	0.00913	mg/Kg	¤	10/01/14 17:42	10/02/14 21:36	1
Acenaphthylene	ND		0.0612	0.00822	mg/Kg	¤	10/01/14 17:42	10/02/14 21:36	1
Anthracene	ND		0.0612	0.00822	mg/Kg	¤	10/01/14 17:42	10/02/14 21:36	1
Benzo[a]anthracene	ND		0.0612	0.0137	mg/Kg	¤	10/01/14 17:42	10/02/14 21:36	1
Benzo[a]pyrene	ND		0.0612	0.0110	mg/Kg	¤	10/01/14 17:42	10/02/14 21:36	1
Benzo[b]fluoranthene	ND		0.0612	0.0110	mg/Kg	¤	10/01/14 17:42	10/02/14 21:36	1
Benzo[g,h,i]perylene	ND		0.0612	0.00822	mg/Kg	¤	10/01/14 17:42	10/02/14 21:36	1
Benzo[k]fluoranthene	ND		0.0612	0.0128	mg/Kg	¤	10/01/14 17:42	10/02/14 21:36	1
1-Methylnaphthalene	ND		0.0612	0.0128	mg/Kg	¤	10/01/14 17:42	10/02/14 21:36	1
Pyrene	ND		0.0612	0.0110	mg/Kg	¤	10/01/14 17:42	10/02/14 21:36	1
Phenanthrene	ND		0.0612	0.00822	mg/Kg	¤	10/01/14 17:42	10/02/14 21:36	1
Chrysene	ND		0.0612	0.00822	mg/Kg	¤	10/01/14 17:42	10/02/14 21:36	1
Dibenz(a,h)anthracene	ND		0.0612	0.00639	mg/Kg	¤	10/01/14 17:42	10/02/14 21:36	1
Fluoranthene	ND		0.0612	0.00822	mg/Kg	¤	10/01/14 17:42	10/02/14 21:36	1
Fluorene	ND		0.0612	0.0110	mg/Kg	¤	10/01/14 17:42	10/02/14 21:36	1
Indeno[1,2,3-cd]pyrene	ND		0.0612	0.00913	mg/Kg	¤	10/01/14 17:42	10/02/14 21:36	1
Naphthalene	ND		0.0612	0.00822	mg/Kg	¤	10/01/14 17:42	10/02/14 21:36	1
2-Methylnaphthalene	ND		0.0612	0.0146	mg/Kg	¤	10/01/14 17:42	10/02/14 21:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*46*		*29 - 120*	*10/01/14 17:42*	*10/02/14 21:36*	*1*
Terphenyl-d14 (Surr)	*60*		*13 - 120*	*10/01/14 17:42*	*10/02/14 21:36*	*1*
Nitrobenzene-d5 (Surr)	*42*		*27 - 120*	*10/01/14 17:42*	*10/02/14 21:36*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	83		0.10	0.10	%			10/01/14 10:08	1

Client Sample Results

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-62548-1

Client Sample ID: 401 Elderbrerry

Date Collected: 09/25/14 12:45
Date Received: 09/30/14 08:40

Lab Sample ID: 490-62548-2

Matrix: Soil
Percent Solids: 94.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00219	0.000732	mg/Kg	¤	10/01/14 08:15	10/08/14 03:28	1
Ethylbenzene	ND		0.00219	0.000732	mg/Kg	¤	10/01/14 08:15	10/08/14 03:28	1
Naphthalene	ND		0.00547	0.00186	mg/Kg	¤	10/01/14 08:15	10/08/14 03:28	1
Toluene	ND		0.00219	0.000809	mg/Kg	¤	10/01/14 08:15	10/08/14 03:28	1
Xylenes, Total	ND		0.00328	0.000732	mg/Kg	¤	10/01/14 08:15	10/08/14 03:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*70 - 130*	*10/01/14 08:15*	*10/08/14 03:28*	*1*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*10/01/14 08:15*	*10/08/14 03:28*	*1*
Dibromofluoromethane (Surr)	*112*		*70 - 130*	*10/01/14 08:15*	*10/08/14 03:28*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*	*10/01/14 08:15*	*10/08/14 03:28*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0641	0.00957	mg/Kg	¤	10/01/14 17:42	10/02/14 21:58	1
Acenaphthylene	ND		0.0641	0.00861	mg/Kg	¤	10/01/14 17:42	10/02/14 21:58	1
Anthracene	ND		0.0641	0.00861	mg/Kg	¤	10/01/14 17:42	10/02/14 21:58	1
Benzo[a]anthracene	ND		0.0641	0.0144	mg/Kg	¤	10/01/14 17:42	10/02/14 21:58	1
Benzo[a]pyrene	ND		0.0641	0.0115	mg/Kg	¤	10/01/14 17:42	10/02/14 21:58	1
Benzo[b]fluoranthene	ND		0.0641	0.0115	mg/Kg	¤	10/01/14 17:42	10/02/14 21:58	1
Benzo[g,h,i]perylene	ND		0.0641	0.00861	mg/Kg	¤	10/01/14 17:42	10/02/14 21:58	1
Benzo[k]fluoranthene	ND		0.0641	0.0134	mg/Kg	¤	10/01/14 17:42	10/02/14 21:58	1
1-Methylnaphthalene	ND		0.0641	0.0134	mg/Kg	¤	10/01/14 17:42	10/02/14 21:58	1
Pyrene	ND		0.0641	0.0115	mg/Kg	¤	10/01/14 17:42	10/02/14 21:58	1
Phenanthrene	ND		0.0641	0.00861	mg/Kg	¤	10/01/14 17:42	10/02/14 21:58	1
Chrysene	ND		0.0641	0.00861	mg/Kg	¤	10/01/14 17:42	10/02/14 21:58	1
Dibenz(a,h)anthracene	ND		0.0641	0.00670	mg/Kg	¤	10/01/14 17:42	10/02/14 21:58	1
Fluoranthene	ND		0.0641	0.00861	mg/Kg	¤	10/01/14 17:42	10/02/14 21:58	1
Fluorene	ND		0.0641	0.0115	mg/Kg	¤	10/01/14 17:42	10/02/14 21:58	1
Indeno[1,2,3-cd]pyrene	ND		0.0641	0.00957	mg/Kg	¤	10/01/14 17:42	10/02/14 21:58	1
Naphthalene	ND		0.0641	0.00861	mg/Kg	¤	10/01/14 17:42	10/02/14 21:58	1
2-Methylnaphthalene	ND		0.0641	0.0153	mg/Kg	¤	10/01/14 17:42	10/02/14 21:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*32*		*29 - 120*	*10/01/14 17:42*	*10/02/14 21:58*	*1*
Terphenyl-d14 (Surr)	*35*		*13 - 120*	*10/01/14 17:42*	*10/02/14 21:58*	*1*
Nitrobenzene-d5 (Surr)	*32*		*27 - 120*	*10/01/14 17:42*	*10/02/14 21:58*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	94		0.10	0.10	%			10/01/14 10:08	1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: 490-62524-B-1-D MS
Matrix: Solid
Analysis Batch: 196073

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 194220

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.00374		0.0539	0.04091		mg/Kg	¤	69	31 - 143
Ethylbenzene	0.00125	J	0.0539	0.05851		mg/Kg	¤	106	23 - 161
Naphthalene	ND		0.0539	0.1078	F1	mg/Kg	¤	200	10 - 176
Toluene	0.00178	J	0.0539	0.04985		mg/Kg	¤	89	30 - 155
Xylenes, Total	0.00938		0.162	0.1679		mg/Kg	¤	98	25 - 162

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*
Dibromofluoromethane (Surr)	*93*		*70 - 130*
Toluene-d8 (Surr)	*104*		*70 - 130*

Lab Sample ID: 490-62524-B-1-E MSD
Matrix: Solid
Analysis Batch: 196073

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 194220

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.00374		0.0580	0.04582		mg/Kg	¤	73	31 - 143	11	50
Ethylbenzene	0.00125	J	0.0580	0.05310		mg/Kg	¤	89	23 - 161	10	50
Naphthalene	ND		0.0580	0.04971	F2	mg/Kg	¤	86	10 - 176	74	50
Toluene	0.00178	J	0.0580	0.04970		mg/Kg	¤	83	30 - 155	0	50
Xylenes, Total	0.00938		0.174	0.1374		mg/Kg	¤	74	25 - 162	20	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*70 - 130*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*
Dibromofluoromethane (Surr)	*91*		*70 - 130*
Toluene-d8 (Surr)	*103*		*70 - 130*

Lab Sample ID: MB 490-196073/8
Matrix: Solid
Analysis Batch: 196073

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00200	0.000670	mg/Kg			10/08/14 02:30	1
Ethylbenzene	ND		0.00200	0.000670	mg/Kg			10/08/14 02:30	1
Naphthalene	ND		0.00500	0.00170	mg/Kg			10/08/14 02:30	1
Toluene	ND		0.00200	0.000740	mg/Kg			10/08/14 02:30	1
Xylenes, Total	ND		0.00300	0.000670	mg/Kg			10/08/14 02:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*70 - 130*		*10/08/14 02:30*	*1*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*		*10/08/14 02:30*	*1*
Dibromofluoromethane (Surr)	*109*		*70 - 130*		*10/08/14 02:30*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*10/08/14 02:30*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 490-196073/4
Matrix: Solid
Analysis Batch: 196073

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.04491		mg/Kg		90	75 - 127
Ethylbenzene	0.0500	0.05117		mg/Kg		102	80 - 134
Naphthalene	0.0500	0.04622		mg/Kg		92	69 - 150
Toluene	0.0500	0.04683		mg/Kg		94	80 - 132
Xylenes, Total	0.150	0.1364		mg/Kg		91	80 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 130*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
Dibromofluoromethane (Surr)	*93*		*70 - 130*
Toluene-d8 (Surr)	*104*		*70 - 130*

Lab Sample ID: LCSD 490-196073/5
Matrix: Solid
Analysis Batch: 196073

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.0500	0.04582		mg/Kg		92	75 - 127	2	50
Ethylbenzene	0.0500	0.05131		mg/Kg		103	80 - 134	0	50
Naphthalene	0.0500	0.04507		mg/Kg		90	69 - 150	3	50
Toluene	0.0500	0.04779		mg/Kg		96	80 - 132	2	50
Xylenes, Total	0.150	0.1370		mg/Kg		91	80 - 137	0	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
Dibromofluoromethane (Surr)	*95*		*70 - 130*
Toluene-d8 (Surr)	*104*		*70 - 130*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 490-194615/1-A
Matrix: Solid
Analysis Batch: 194722

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 194615

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0670	0.0100	mg/Kg		10/01/14 17:42	10/02/14 17:05	1
Acenaphthylene	ND		0.0670	0.00900	mg/Kg		10/01/14 17:42	10/02/14 17:05	1
Anthracene	ND		0.0670	0.00900	mg/Kg		10/01/14 17:42	10/02/14 17:05	1
Benzo[a]anthracene	ND		0.0670	0.0150	mg/Kg		10/01/14 17:42	10/02/14 17:05	1
Benzo[a]pyrene	ND		0.0670	0.0120	mg/Kg		10/01/14 17:42	10/02/14 17:05	1
Benzo[b]fluoranthene	ND		0.0670	0.0120	mg/Kg		10/01/14 17:42	10/02/14 17:05	1
Benzo[g,h,i]perylene	ND		0.0670	0.00900	mg/Kg		10/01/14 17:42	10/02/14 17:05	1
Benzo[k]fluoranthene	ND		0.0670	0.0140	mg/Kg		10/01/14 17:42	10/02/14 17:05	1
1-Methylnaphthalene	ND		0.0670	0.0140	mg/Kg		10/01/14 17:42	10/02/14 17:05	1
Pyrene	ND		0.0670	0.0120	mg/Kg		10/01/14 17:42	10/02/14 17:05	1
Phenanthrene	ND		0.0670	0.00900	mg/Kg		10/01/14 17:42	10/02/14 17:05	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 490-194615/1-A
Matrix: Solid
Analysis Batch: 194722

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 194615

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		0.0670	0.00900	mg/Kg		10/01/14 17:42	10/02/14 17:05	1
Dibenz(a,h)anthracene	ND		0.0670	0.00700	mg/Kg		10/01/14 17:42	10/02/14 17:05	1
Fluoranthene	ND		0.0670	0.00900	mg/Kg		10/01/14 17:42	10/02/14 17:05	1
Fluorene	ND		0.0670	0.0120	mg/Kg		10/01/14 17:42	10/02/14 17:05	1
Indeno[1,2,3-cd]pyrene	ND		0.0670	0.0100	mg/Kg		10/01/14 17:42	10/02/14 17:05	1
Naphthalene	ND		0.0670	0.00900	mg/Kg		10/01/14 17:42	10/02/14 17:05	1
2-Methylnaphthalene	ND		0.0670	0.0160	mg/Kg		10/01/14 17:42	10/02/14 17:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*70*		*29 - 120*	*10/01/14 17:42*	*10/02/14 17:05*	*1*
Terphenyl-d14 (Surr)	*74*		*13 - 120*	*10/01/14 17:42*	*10/02/14 17:05*	*1*
Nitrobenzene-d5 (Surr)	*70*		*27 - 120*	*10/01/14 17:42*	*10/02/14 17:05*	*1*

Lab Sample ID: LCS 490-194615/2-A
Matrix: Solid
Analysis Batch: 194722

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 194615

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthylene	1.67	1.196		mg/Kg		72	38 - 120
Anthracene	1.67	1.245		mg/Kg		75	46 - 124
Benzo[a]anthracene	1.67	1.220		mg/Kg		73	45 - 120
Benzo[a]pyrene	1.67	1.244		mg/Kg		75	45 - 120
Benzo[b]fluoranthene	1.67	1.273		mg/Kg		76	42 - 120
Benzo[g,h,i]perylene	1.67	1.270		mg/Kg		76	38 - 120
Benzo[k]fluoranthene	1.67	1.163		mg/Kg		70	42 - 120
1-Methylnaphthalene	1.67	1.151		mg/Kg		69	32 - 120
Pyrene	1.67	1.211		mg/Kg		73	43 - 120
Phenanthrene	1.67	1.195		mg/Kg		72	45 - 120
Chrysene	1.67	1.283		mg/Kg		77	43 - 120
Dibenz(a,h)anthracene	1.67	1.256		mg/Kg		75	32 - 128
Fluoranthene	1.67	1.223		mg/Kg		73	46 - 120
Fluorene	1.67	1.242		mg/Kg		75	42 - 120
Indeno[1,2,3-cd]pyrene	1.67	1.233		mg/Kg		74	41 - 121
Naphthalene	1.67	1.202		mg/Kg		72	32 - 120
2-Methylnaphthalene	1.67	1.142		mg/Kg		69	28 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*66*		*29 - 120*
Terphenyl-d14 (Surr)	*73*		*13 - 120*
Nitrobenzene-d5 (Surr)	*68*		*27 - 120*

Lab Sample ID: 240-42495-C-1-B MS
Matrix: Solid
Analysis Batch: 194722

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 194615

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthylene	ND		2.21	1.460		mg/Kg	☼	66	25 - 120
Anthracene	ND		2.21	1.531		mg/Kg	☼	69	28 - 125

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 240-42495-C-1-B MS
Matrix: Solid
Analysis Batch: 194722

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 194615

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]anthracene	ND		2.21	1.557		mg/Kg	☼	70	23 - 120
Benzo[a]pyrene	ND		2.21	1.533		mg/Kg	☼	69	15 - 128
Benzo[b]fluoranthene	ND		2.21	1.543		mg/Kg	☼	70	12 - 133
Benzo[g,h,i]perylene	ND		2.21	1.506		mg/Kg	☼	68	22 - 120
Benzo[k]fluoranthene	ND		2.21	1.572		mg/Kg	☼	71	28 - 120
1-Methylnaphthalene	ND		2.21	1.406		mg/Kg	☼	63	10 - 120
Pyrene	ND		2.21	1.526		mg/Kg	☼	69	20 - 123
Phenanthrene	ND		2.21	1.501		mg/Kg	☼	68	21 - 122
Chrysene	ND		2.21	1.488		mg/Kg	☼	67	20 - 120
Dibenz(a,h)anthracene	ND		2.21	1.542		mg/Kg	☼	70	12 - 128
Fluoranthene	ND		2.21	1.549		mg/Kg	☼	70	10 - 143
Fluorene	ND		2.21	1.499		mg/Kg	☼	68	20 - 120
Indeno[1,2,3-cd]pyrene	ND		2.21	1.502		mg/Kg	☼	68	22 - 121
Naphthalene	ND		2.21	1.436		mg/Kg	☼	65	10 - 120
2-Methylnaphthalene	ND		2.21	1.397		mg/Kg	☼	63	13 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*61*		*29 - 120*
Terphenyl-d14 (Surr)	*69*		*13 - 120*
Nitrobenzene-d5 (Surr)	*63*		*27 - 120*

Lab Sample ID: 240-42495-C-1-C MSD
Matrix: Solid
Analysis Batch: 194722

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 194615

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthylene	ND		2.22	1.371		mg/Kg	☼	62	25 - 120	6	50
Anthracene	ND		2.22	1.442		mg/Kg	☼	65	28 - 125	6	49
Benzo[a]anthracene	ND		2.22	1.450		mg/Kg	☼	65	23 - 120	7	50
Benzo[a]pyrene	ND		2.22	1.422		mg/Kg	☼	64	15 - 128	8	50
Benzo[b]fluoranthene	ND		2.22	1.409		mg/Kg	☼	63	12 - 133	9	50
Benzo[g,h,i]perylene	ND		2.22	1.378		mg/Kg	☼	62	22 - 120	9	50
Benzo[k]fluoranthene	ND		2.22	1.410		mg/Kg	☼	63	28 - 120	11	45
1-Methylnaphthalene	ND		2.22	1.345		mg/Kg	☼	60	10 - 120	4	50
Pyrene	ND		2.22	1.422		mg/Kg	☼	64	20 - 123	7	50
Phenanthrene	ND		2.22	1.416		mg/Kg	☼	64	21 - 122	6	50
Chrysene	ND		2.22	1.375		mg/Kg	☼	62	20 - 120	8	49
Dibenz(a,h)anthracene	ND		2.22	1.414		mg/Kg	☼	64	12 - 128	9	50
Fluoranthene	ND		2.22	1.455		mg/Kg	☼	65	10 - 143	6	50
Fluorene	ND		2.22	1.377		mg/Kg	☼	62	20 - 120	8	50
Indeno[1,2,3-cd]pyrene	ND		2.22	1.388		mg/Kg	☼	62	22 - 121	8	50
Naphthalene	ND		2.22	1.367		mg/Kg	☼	61	10 - 120	5	50
2-Methylnaphthalene	ND		2.22	1.351		mg/Kg	☼	61	13 - 120	3	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*58*		*29 - 120*
Terphenyl-d14 (Surr)	*65*		*13 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 240-42495-C-1-C MSD
Matrix: Solid
Analysis Batch: 194722

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 194615

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*59*		*27 - 120*

Method: Moisture - Percent Moisture

Lab Sample ID: 490-62548-1 DU
Matrix: Soil
Analysis Batch: 194433

Client Sample ID: 252 Beech
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Solids	83		83		%		0.6	20

QC Association Summary

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-62548-1

GC/MS VOA

Prep Batch: 194220

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-62524-B-1-D MS	Matrix Spike	Total/NA	Solid	5030C	
490-62524-B-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5030C	

Prep Batch: 194375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-62548-1	252 Beech	Total/NA	Soil	5035	
490-62548-2	401 Elderbrerry	Total/NA	Soil	5035	

Analysis Batch: 196073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-62524-B-1-D MS	Matrix Spike	Total/NA	Solid	8260B	194220
490-62524-B-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8260B	194220
490-62548-1	252 Beech	Total/NA	Soil	8260B	194375
490-62548-2	401 Elderbrerry	Total/NA	Soil	8260B	194375
LCS 490-196073/4	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-196073/5	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-196073/8	Method Blank	Total/NA	Solid	8260B	

GC/MS Semi VOA

Prep Batch: 194615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-42495-C-1-B MS	Matrix Spike	Total/NA	Solid	3550C	
240-42495-C-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	
490-62548-1	252 Beech	Total/NA	Soil	3550C	
490-62548-2	401 Elderbrerry	Total/NA	Soil	3550C	
LCS 490-194615/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 490-194615/1-A	Method Blank	Total/NA	Solid	3550C	

Analysis Batch: 194722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-42495-C-1-B MS	Matrix Spike	Total/NA	Solid	8270D	194615
240-42495-C-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8270D	194615
490-62548-1	252 Beech	Total/NA	Soil	8270D	194615
490-62548-2	401 Elderbrerry	Total/NA	Soil	8270D	194615
LCS 490-194615/2-A	Lab Control Sample	Total/NA	Solid	8270D	194615
MB 490-194615/1-A	Method Blank	Total/NA	Solid	8270D	194615

General Chemistry

Analysis Batch: 194433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-62548-1	252 Beech	Total/NA	Soil	Moisture	
490-62548-1 DU	252 Beech	Total/NA	Soil	Moisture	
490-62548-2	401 Elderbrerry	Total/NA	Soil	Moisture	

Lab Chronicle

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-62548-1

Client Sample ID: 252 Beech

Date Collected: 09/24/14 14:15
Date Received: 09/30/14 08:40

Lab Sample ID: 490-62548-1
Matrix: Soil
Percent Solids: 82.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.12 g	5.0 mL	194375	10/01/14 08:15	JLP	TAL NSH
Total/NA	Analysis	8260B		1	6.12 g	5.0 mL	196073	10/08/14 02:59	KKK	TAL NSH
Total/NA	Prep	3550C			39.70 g	1.00 mL	194615	10/01/14 17:42	RMS	TAL NSH
Total/NA	Analysis	8270D		1	39.70 g	1.00 mL	194722	10/02/14 21:36	KKH	TAL NSH
Total/NA	Analysis	Moisture		1			194433	10/01/14 10:08	RRS	TAL NSH

Client Sample ID: 401 Elderbrerry

Date Collected: 09/25/14 12:45
Date Received: 09/30/14 08:40

Lab Sample ID: 490-62548-2
Matrix: Soil
Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.861 g	5.0 mL	194375	10/01/14 08:15	JLP	TAL NSH
Total/NA	Analysis	8260B		1	4.861 g	5.0 mL	196073	10/08/14 03:28	KKK	TAL NSH
Total/NA	Prep	3550C			33.32 g	1.00 mL	194615	10/01/14 17:42	RMS	TAL NSH
Total/NA	Analysis	8270D		1	33.32 g	1.00 mL	194722	10/02/14 21:58	KKH	TAL NSH
Total/NA	Analysis	Moisture		1			194433	10/01/14 10:08	RRS	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-62548-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NSH
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL NSH
Moisture	Percent Moisture	EPA	TAL NSH

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Certification Summary

Client: Small Business Group Inc.
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-62548-1

Laboratory: TestAmerica Nashville

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
North Carolina (WW/SW)	State Program	4	387	12-31-14

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Soil	Percent Solids

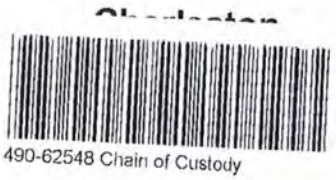
South Carolina	State Program	4	84009 (001)	02-28-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8270D	3550C	Soil	1-Methylnaphthalene
Moisture		Soil	Percent Solids

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM


490-62548 Chain of Custody

Cooler Received/Opened On 9/30/2014 @ 0840

1. Tracking # 4004 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 94660220

2. Temperature of rep. sample or temp blank when opened: 1.6 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO (NA)

4. Were custody seals on outside of cooler? (YES)..NO...NA

If yes, how many and where: (2) Front + Back

5. Were the seals intact, signed, and dated correctly? (YES)..NO...NA

6. Were custody papers inside cooler? (YES)..NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) MDM

7. Were custody seals on containers: YES (NO) and Intact YES...NO...(NA)

Were these signed and dated correctly? YES...NO...(NA)

8. Packing mat'l used? (Bubblewrap) (Plastic bag) Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: (Ice) Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? (YES)...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? (YES)...NO...NA

12. Did all container labels and tags agree with custody papers? (YES)...NO...NA

13a. Were VOA vials received? (YES)...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...(NA)

14. Was there a Trip Blank in this cooler? YES (NO)...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) ADH

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO..(NA)

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...(NA)

16. Was residual chlorine present? YES...NO...(NA)

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) ADH

17. Were custody papers properly filled out (ink, signed, etc)? (YES)...NO...NA

18. Did you sign the custody papers in the appropriate place? (YES)...NO...NA

19. Were correct containers used for the analysis requested? (YES)...NO...NA

20. Was sufficient amount of sample sent in each container? (YES)...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) ADH

I certify that I attached a label with the unique LIMS number to each container (intial) ADH

21. Were there Non-Conformance issues at login? YES...(NO) Was a NCM generated? YES...(NO)...#_____

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 11/28/12

10/13/2014

Loc: 490
62548

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

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

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

Compliance Monitoring? Yes ____ No ____

Enforcement Action? Yes ____ No ____

Client Name/Account #: EEG - SBG # 2449

Address: 10179 Highway 78

City/State/Zip: Ladson, SC 29456

Site State: SC

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

PO#: 1406

Telephone Number: 843.412.2097 **Fax No.:** 843-879-0401

TA Quote #:

Sampler Name: (Print) Pratt Shaw

Project ID: Laurel Bay Housing Project

Sampler Signature:

Project #:

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Ice	HNO_3 (Red Label)	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass(Yellow Label)	None (Black Label)	Other (Specify)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify)	Analyze For: BTEX + Napth - 8260	PAH - 8270D	RUSH TAT (Pre-Schedule)	Standard TAT	Fax Results	Send QC with report
252 Beech	9/24/14	1415	5	X					2				2	1					X		X	X				
401 Elderbrae	9/25/14	1245	5	X					2				2	1					X		X	X				

Special Instructions:

Method of Shipment: FEDEX

Relinquished by:	Date	Time	Received by:	Date	Time
	9/29/14	0900	Fedex		
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time
				9/30/14	8:40

Laboratory Comments:
Temperature Upon Receipt: 1.6
VOCs Free of Headspace? Y N

10/13/2014

Login Sample Receipt Checklist

Client: Small Business Group Inc.

Job Number: 490-62548-1

Login Number: 62548
List Number: 1
Creator: Huskey, Adam

List Source: TestAmerica Nashville

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ATTACHMENT A

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

3. Generator's Mailing Address:
MCAS BEAUFORT
LAUREL BAY HOUSING
BEAUFORT, SC 29904
4. Generator's Phone 843-879-0411

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

A. Manifest Number **WMNA** 01519116
B. State Generator's ID

5. Transporter 1 Company Name 843.522.5000
Carolina Containers
P.O. Box 1925
Ridgeland SC 29901

6. US EPA ID Number
C. State Transporter's ID
D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

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

10. US EPA ID Number
G. State Facility ID
H. State Facility Phone 843-987-4643

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. HEATING OIL TANK FILLED WITH SAND WM Profile # 102655SC	1	30cy	5.98	TON	749170
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) 252 Beech ✓ 2) 401 Elderberry ✓ 3) 435 Elderberry ✓ 4) 437 Elderberry - 2 ✓ 5) 1462 Cardinal

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

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

Printed Name	Signature "On behalf of"	Month	Day	Year
W.C. Dukes		12	01	14

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Pratt Shaw		12	1	14

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Michael Brotch		12	2	14

FACILITY

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

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

Printed Name	Signature	Month	Day	Year
JoAnn Cofield	JoAnn Cofield	12	2	14

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

Appendix C
Regulatory Correspondence

CDM - AECOM
Multimedia Joint Venture

D H E C

PROMOTE PROTECT PROSPER

14 August 2008

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

Re: MCAS – Laurel Bay Housing – 252 Beech
Site ID # 04004
UST Closure Reports received 31 January 2008
No Further Action
Beaufort County

Dear Mr. Broadfoot:

The Department has reviewed the referenced closure report. Based upon the geotechnical data in the referenced report, the soil samples are below risk based screening levels.

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

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

Sincerely,

Michael Bishop, Hydrogeologist
Groundwater Quality Section
Bureau of Water

B. Thomas Knight, Manager
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 (pdf)

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

July 1, 2015

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

RE: No Further Action
Laurel Bay Underground Storage Tank Assessment Reports for:
See attached sheet

Dear Mr. Drawdy,

The South Carolina Department of Health and Environmental Control (the Department) received the referenced Underground Storage Tanks (USTs) 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 and agrees there is no indication of soil or groundwater contamination on these properties, 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 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)
Bryan Beck (via email)

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

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

Laurel Bay Underground Storage Tank Assessment Reports for: (153 addresses/161 tanks)

111 Birch	363 Aspen
123 Banyan	364 Aspen
131 Banyan	366 Aspen
134 Banyan	369 Aspen
145 Laurel Bay	373 Aspen
150 Laurel Bay	381 Aspen
153 Laurel Bay	401 Elderberry
154 Laurel Bay	402 Elderberry
155 Laurel Bay	404 Elderberry
200 Balsam	410 Elderberry
202 Balsam	420 Elderberry
203 Balsam	424 Elderberry
208 Balsam	435 Elderberry Tank 3
210 Balsam	452 Elderberry
211 Balsam	460 Elderberry
220 Cypress	465 Dogwood
222 Cypress	477 Laurel Bay
223 Cypress	487Laurel Bay
252 Beech Tank 2	513 Laurel Bay
271 Beech Tank 1	519 Laurel Bay
271 Beech Tank 2	524 Laurel Bay
284 Birch Tank 1	535 Laurel Bay
284 Birch Tank 2	553 Dahlia
308 Ash	590 Aster
311 Ash	591 Aster
312 Ash	610 Dahlia
317 Ash	612 Dahlia
318 Ash	628 Dahlia
337 Ash	636 Dahlia
351 Ash Tank 1	637 Dahlia Tank 1
351 Ash Tank 2	637 Dahlia Tank 2
355 Ash Tank 1	641 Dahlia
355 Ash Tank 2	642 Dahlia Tank 1
360 Aspen	642 Dahlia Tank 2

Laurel Bay Underground Storage Tank Assessment Reports for: (153 addresses/161 tanks) cont.

655 Camellia	920 Albacore
662 Camellia	922 Barracuda Tank 1
683 Camellia	922 Barracuda Tank 2
684 Camellia	924 Albacore
689 Abelia	925 Albacore
694 Abelia	926 Albacore
695 Abelia	930 Albacore
741 Blue Bell	931 Albacore
742 Blue Bell	933 Albacore
755 Althea	936 Albacore
757 Althea	938 Albacore
776 Laurel Bay	939 Albacore
777 Azalea	940 Albacore
779 Laurel Bay	1010 Foxglove
781 Laurel Bay	1066 Gardenia
802 Azalea	1068 Gardenia
816 Azalea	1071 Heather Tank 2
822 Azalea	1100 Iris Tank 2
823 Azalea	1128 Iris
825 Azalea	1178 Bobwhite
828 Azalea	1204 Cardinal
837 Azalea	1208 Cardinal
851 Dolphin	1209 Cardinal
856 Dolphin	1210 Cardinal
857 Dolphin	1215 Cardinal
861 Dolphin	1216 Cardinal
864 Dolphin	1217 Cardinal Tank 1
868 Dolphin	1217 Cardinal Tank 2
872 Dolphin	1233 Dove
879 Cobia	1244 Dove
886 Cobia	1250 Dove
888 Cobia	1252 Dove
889 Cobia	1254 Dove
901 Barracuda	1256 Dove
902 Barracuda	1258 Dove
903 Barracuda	1263 Dove
904 Barracuda	1269 Dove
909 Barracuda	1276 Dove
910 Barracuda	1283 Dove
914 Barracuda	1285 Dove
915 Barracuda	1288 Eagle

Laurel Bay Underground Storage Tank Assessment Reports for: (153 addresses/161 tanks) cont.

1296 Eagle	1330 Albatross
1307 Eagle	1331 Albatross
1321 Albatross	1333 Albatross
1322 Albatross	1334 Albatross
1327 Albatross	1335 Albatross
1328 Albatross	