

SUMMARY REPORT
188 BIRCH ROAD (FORMERLY 287 BIRCH ROAD)
LAUREL BAY MILITARY HOUSING AREA
MARINE CORPS AIR STATION BEAUFORT
BEAUFORT, SC

Revision: 0
Prepared for:

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

and



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

JUNE 2021

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Prepared by:



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

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

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List of Acronyms

bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, and xylenes
CTO	Contract Task Order
COPC	constituents of potential concern
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 188 Birch Road (Formerly 287 Birch Road). 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 188 Birch Road (Formerly 287 Birch Road). Details regarding the soil investigation at this site are provided in the *SCDHEC UST Assessment Report – 287 Birch Road* (MCAS Beaufort, 2012). The UST Assessment Report is provided in Appendix B.

2.1 UST Removal and Soil Sampling

On February 9, 2011, a single 280 gallon heating oil UST was removed from the front landscaped area adjacent to the concrete porch at 188 Birch Road (Formerly 287 Birch Road). The former UST location is indicated on Figures 2 and 3 of the UST Assessment Report (Appendix B). The UST was removed and properly disposed of (i.e., shipped offsite for recycling or transported to a landfill). There was no visual evidence (i.e., staining or sheen) of petroleum impact at the time of the UST removal. According to the UST Assessment Report (Appendix B), the depth to the base of the UST was 5'10" bgs and a single soil sample was

collected from that depth. The sample was collected from the fill port side of the former UST to represent a worst case scenario.

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

2.2 Soil Analytical Results

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

The soil sample results were submitted by MCAS Beaufort to SCDHEC utilizing SCDHEC's UST Assessment Report form (Appendix B). The results of the soil sampling at the former UST location were used by MCAS Beaufort, in consultation with SCDHEC, to determine a path forward (i.e., additional sampling or NFA) for the property. The soil results collected from 188 Birch Road (Formerly 287 Birch Road) were less than the SCDHEC RBSLs, which indicated the subsurface was not impacted by COPCs associated with the former UST at concentrations that presented a potential risk to human health and the environment.

3.0 PROPERTY STATUS

Based on the analytical results for soil, SCDHEC made the determination that NFA was required for 188 Birch Road (287 Birch Road). This NFA determination was obtained in a letter dated May 15, 2014. SCDHEC's NFA letter is provided in Appendix C.

4.0 REFERENCES

Marine Corps Air Station Beaufort, 2012. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 287 Birch Road, Laurel Bay Military Housing Area*, February 2012.

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
188 Birch Road (Formerly 287 Birch Road)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs ⁽¹⁾	Results Sample Collected 02/09/11
Volatile Organic Compounds Analyzed by EPA Method 8260B (mg/kg)		
Benzene	0.003	ND
Ethylbenzene	1.15	ND
Naphthalene	0.036	0.00473
Toluene	0.627	ND
Xylenes, Total	13.01	ND
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (mg/kg)		
Benzo(a)anthracene	0.66	ND
Benzo(b)fluoranthene	0.66	ND
Benzo(k)fluoranthene	0.66	ND
Chrysene	0.66	ND
Dibenz(a,h)anthracene	0.66	ND

Notes:

⁽¹⁾ South Carolina Risk-Based Screening Levels from the Quality Assurance Program Plan for the Underground Storage Tank Management Division, Revision 2.0 (SCDHEC, April 2013).

Bold font indicates the analyte was detected.

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

EPA - United States Environmental Protection Agency

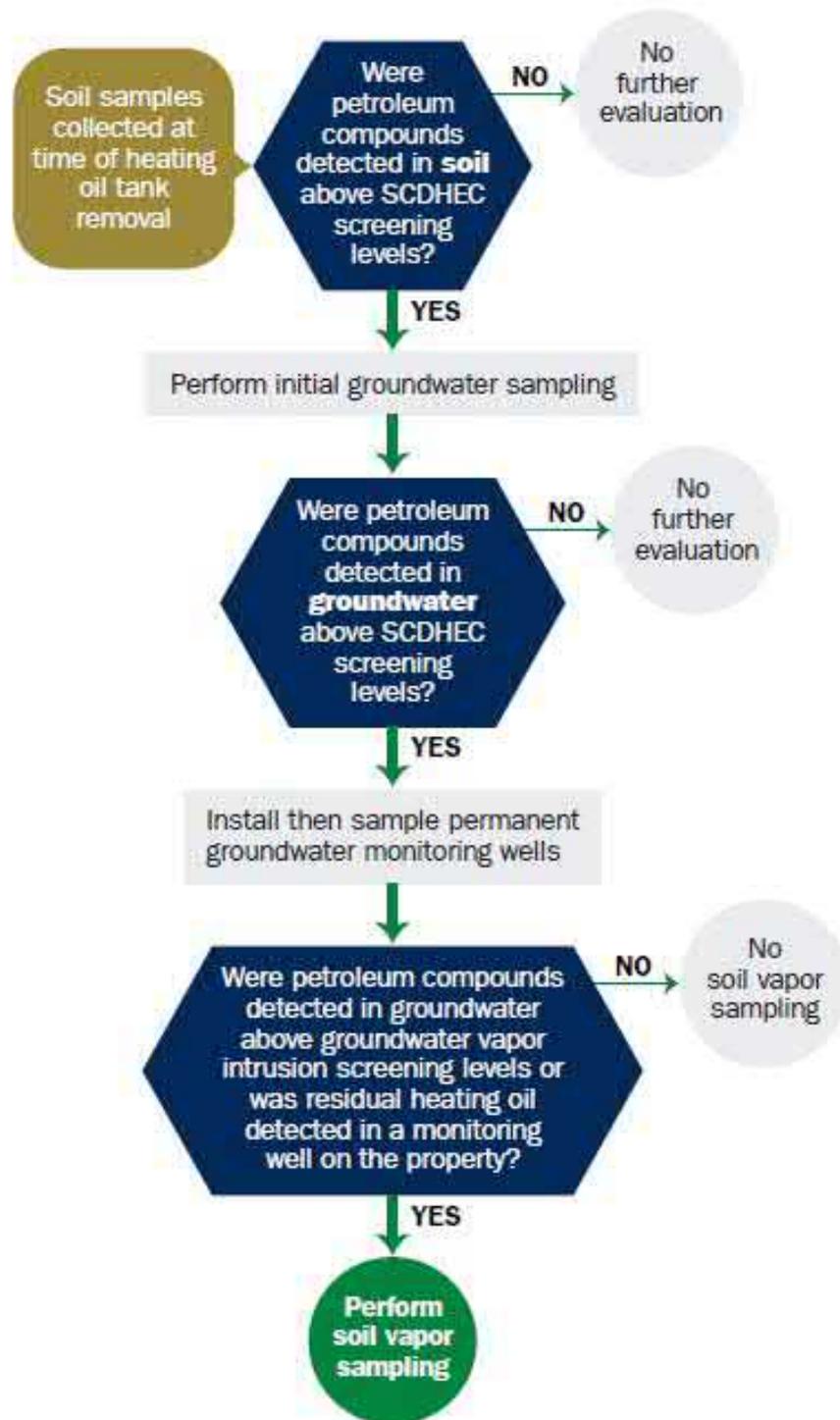
mg/kg - milligram per kilogram

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



Appendix A - Multi-Media Selection Process for LBMH

Appendix B
UST Assessment Report

Attachment 1

South Carolina Department of Health and Environmental Control (SCDHEC)
Underground Storage Tank (UST) Assessment Report

<p>Date Received</p> <p style="text-align: center;">State Use Only</p>
--

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	
287 Birch 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).....
- B. Capacity...(ex. 1k, 2k).....
- C. Age.....
- D. Construction Material...(ex. Steel, FRP).....
- E. Month/Year of Last Use.....
- F. Depth (ft.) To Base of Tank.....
- G. Spill Prevention Equipment Y/N.....
- H. Overfill Prevention Equipment Y/N.....
- I. Method of Closure Removed/Filled.....
- J. Date Tanks Removed/Filled.....
- K. Visible Corrosion or Pitting Y/N.....
- L. Visible Holes Y/N.....

287Birch		
Heating oil		
280 gal		
Late 1950s		
Steel		
Mid 80s		
5'10"		
No		
No		
Removed		
2/9/2011		
Yes		
Yes		

- M. Method of disposal for any USTs removed from the ground (attach disposal manifests)
UST 287Birch was removed from the ground, cleaned and recycled.

- N. Method of disposal for any liquid petroleum, sludges, or wastewaters removed from the USTs (attach disposal manifests)
Contaminated water was pumped from the tank and disposed of by MCAS.

- 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).....
- B. Distance from UST to Dispenser.....
- C. Number of Dispensers.....
- D. Type of System Pressure or Suction.....
- E. Was Piping Removed from the Ground? Y/N
- F. Visible Corrosion or Pitting Y/N.....
- G. Visible Holes Y/N.....
- H. Age.....

287Birch		
Steel & Copper		
N/A		
N/A		
Suction		
No		
Yes		
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 were sound.

VIII. BRIEF SITE DESCRIPTION AND HISTORY

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

IX. SITE CONDITIONS

	Yes	No	Unk
<p>A. Were any petroleum-stained or contaminated soils found in the UST excavation, soil borings, trenches, or monitoring wells?</p> <p>If yes, indicate depth and location on the site map.</p>		X	
<p>B. Were any petroleum odors detected in the excavation, soil borings, trenches, or monitoring wells?</p> <p style="padding-left: 100px;">*Strong odor from excavation</p> <p>If yes, indicate location on site map and describe the odor (strong, mild, etc.)</p>	*X		
<p>C. Was water present in the UST excavation, soil borings, or trenches?</p> <p>If yes, how far below land surface (indicate location and depth)?</p>		X	
<p>D. Did contaminated soils remain stockpiled on site after closure?</p> <p>If yes, indicate the stockpile location on the site map.</p> <p>Name of DHEC representative authorizing soil removal:</p>		X	
<p>E. Was a petroleum sheen or free product detected on any excavation or boring waters?</p> <p>If yes, indicate location and thickness.</p>		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 #
287 Birch	Excav at fill end	Soil	Sandy	5'10"	2/9/11 1350 hrs	P. Shaw	
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

* = Depth Below the Surrounding Land Surface

XII. RECEPTORS

	Yes	No
<p>A. Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the UST system? *Approx 660' to stormwater canal</p> <p>If yes, indicate type of receptor, distance, and direction on site map.</p>	*X	
<p>B. Are there any public, private, or irrigation water supply wells within 1000 feet of the UST system?</p> <p>If yes, indicate type of well, distance, and direction on site map.</p>		X
<p>C. Are there any underground structures (e.g., basements) Located within 100 feet of the UST system?</p> <p>If yes, indicate type of structure, distance, and direction on site map.</p>		X
<p>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, cable, electricity & fiber optic</p> <p>If yes, indicate the type of utility, distance, and direction on the site map.</p>	*X	
<p>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?</p> <p>If yes, indicate the area of contaminated soil on the site map.</p>		X

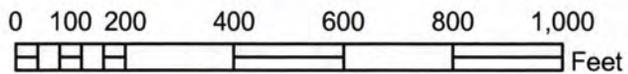
XIII. SITE MAP

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)



287 BIRCH DR.



SBG-EEG, Inc.

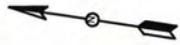
398 E. 5th North Street, Suite C
Summerville SC 29483-6954

Ph. (843) 875-1930

Drawn By: L. DiAsio

Dwg Date: OCT 2011

**FIGURE 1: LOCATION MAP
287 BIRCH DR.
LAUREL BAY, BEAUFORT SC**

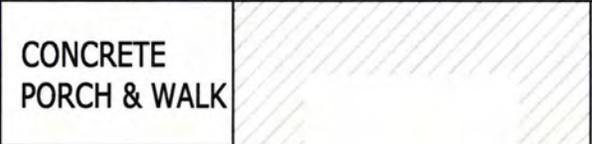


STORMWATER DRAINAGE
CANAL \approx 660'



287 BIRCH DRIVE
LAUREL BAY MILITARY HOUSING
MCAS BEAUFORT, SC

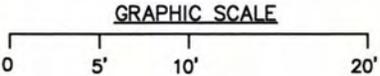
UST 287BIRCH
280 GAL.



CONCRETE
PORCH & WALK



ASPHALT
DRIVEWAY



GRAPHIC SCALE

SBG-EEG

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

FIGURE 2 SITE MAP
287 BIRCH DR., LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC

DWG DATE NOV 2011



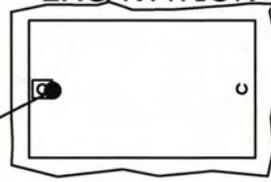
287 BIRCH DRIVE

STORMWATER DRAINAGE
CANAL \approx 660'



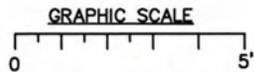
FILL END

EXCAVATION



SOIL SAMPLE
287 BIRCH

UST 287BIRCH-1



TANK DEPTH BELOW GRADE
287BIRCH-1 = 34"

SBG-EEG

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

FIGURE 3 UST SAMPLE LOCATIONS
287 BIRCH DR., LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC

DWG DATE NOV 2011



Picture 1: Location of UST 287Birch.



Picture 2: UST 287Birch excavation.

XIV. SUMMARY OF ANALYSIS RESULTS

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

CoC	UST 287 Birch						
Benzene		ND					
Toluene		ND					
Ethylbenzene		ND					
Xylenes		ND					
Naphthalene		0.00473 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)

February 22, 2011 2:16:43PM

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

Work Order: NUB1969
Project Name: Laurel Bay Housing Project
Project Nbr: [none]
P/O Nbr: 1027
Date Received: 02/12/11

SAMPLE IDENTIFICATION

LAB NUMBER

COLLECTION DATE AND TIME

287 Birch

NUB1969-01

02/09/11 13:50

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.

This material is intended only for the use of the individual(s) or entity to whom it is addressed, and may contain information that is privileged and confidential. If you are not the intended recipient, or the employee or agent responsible for delivering this material to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this material is strictly prohibited. If you have received this material in error, please notify us immediately at 615-726-0177.

South Carolina Certification Number: 84009

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

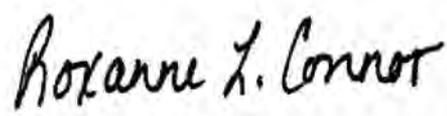
These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

All solids results are reported in wet weight unless specifically stated.

Estimated uncertainty is available upon request.

This report has been electronically signed.

Report Approved By:



Roxanne Connor

Program Manager - Conventional Accounts

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

Work Order: NUB1969
 Project Name: Laurel Bay Housing Project
 Project Number: [none]
 Received: 02/12/11 09:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NUB1969-01 (287 Birch - Soil) Sampled: 02/09/11 13:50										
General Chemistry Parameters										
% Dry Solids	75.3		%	0.500	0.500	1	02/18/11 10:54	SW-846	AMS	11B3233
Volatile Organic Compounds by EPA Method 8260B										
Benzene	ND		mg/kg dry	0.00121	0.00220	1	02/16/11 18:59	SW846 8260B	MJH/H	11B3006
Ethylbenzene	ND		mg/kg dry	0.00108	0.00220	1	02/16/11 18:59	SW846 8260B	MJH/H	11B3006
Naphthalene	0.00473	J	mg/kg dry	0.00187	0.00550	1	02/16/11 18:59	SW846 8260B	MJH/H	11B3006
Toluene	ND		mg/kg dry	0.000980	0.00220	1	02/16/11 18:59	SW846 8260B	MJH/H	11B3006
Xylenes, total	ND		mg/kg dry	0.00209	0.00550	1	02/16/11 18:59	SW846 8260B	MJH/H	11B3006
Surr: 1,2-Dichloroethane-d4 (67-138%)	99 %					J	02/16/11 18:59	SW846 8260B	MJH/H	11B3006
Surr: Dibromofluoromethane (75-125%)	94 %					J	02/16/11 18:59	SW846 8260B	MJH/H	11B3006
Surr: Toluene-d8 (76-129%)	103 %					J	02/16/11 18:59	SW846 8260B	MJH/H	11B3006
Surr: 4-Bromofluorobenzene (67-147%)	100 %					J	02/16/11 18:59	SW846 8260B	MJH/H	11B3006
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0186	0.0889	1	02/17/11 01:08	SW846 8270D	KJP	11B3252
Acenaphthylene	ND		mg/kg dry	0.0265	0.0889	1	02/17/11 01:08	SW846 8270D	KJP	11B3252
Anthracene	ND		mg/kg dry	0.0119	0.0889	1	02/17/11 01:08	SW846 8270D	KJP	11B3252
Benzo (a) anthracene	ND		mg/kg dry	0.0146	0.0889	1	02/17/11 01:08	SW846 8270D	KJP	11B3252
Benzo (a) pyrene	ND		mg/kg dry	0.0106	0.0889	1	02/17/11 01:08	SW846 8270D	KJP	11B3252
Benzo (b) fluoranthene	ND		mg/kg dry	0.0504	0.0889	1	02/17/11 01:08	SW846 8270D	KJP	11B3252
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0119	0.0889	1	02/17/11 01:08	SW846 8270D	KJP	11B3252
Benzo (k) fluoranthene	ND		mg/kg dry	0.0491	0.0889	1	02/17/11 01:08	SW846 8270D	KJP	11B3252
Chrysene	ND		mg/kg dry	0.0411	0.0889	1	02/17/11 01:08	SW846 8270D	KJP	11B3252
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0199	0.0889	1	02/17/11 01:08	SW846 8270D	KJP	11B3252
Fluoranthene	ND		mg/kg dry	0.0146	0.0889	1	02/17/11 01:08	SW846 8270D	KJP	11B3252
Fluorene	ND		mg/kg dry	0.0265	0.0889	1	02/17/11 01:08	SW846 8270D	KJP	11B3252
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0411	0.0889	1	02/17/11 01:08	SW846 8270D	KJP	11B3252
Naphthalene	ND		mg/kg dry	0.0186	0.0889	1	02/17/11 01:08	SW846 8270D	KJP	11B3252
Phenanthrene	ND		mg/kg dry	0.0133	0.0889	1	02/17/11 01:08	SW846 8270D	KJP	11B3252
Pyrene	ND		mg/kg dry	0.0305	0.0889	1	02/17/11 01:08	SW846 8270D	KJP	11B3252
1-Methylnaphthalene	ND		mg/kg dry	0.0159	0.0889	1	02/17/11 01:08	SW846 8270D	KJP	11B3252
2-Methylnaphthalene	ND		mg/kg dry	0.0279	0.0889	1	02/17/11 01:08	SW846 8270D	KJP	11B3252
Surr: Terphenyl-d14 (18-120%)	74 %					J	02/17/11 01:08	SW846 8270D	KJP	11B3252
Surr: 2-Fluorobiphenyl (14-120%)	62 %					J	02/17/11 01:08	SW846 8270D	KJP	11B3252
Surr: Nitrobenzene-d5 (17-120%)	67 %					J	02/17/11 01:08	SW846 8270D	KJP	11B3252

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

Work Order: NUB1969
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 02/12/11 09:00

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extract Vol	Date	Analyst	Extraction Method
Polyaromatic Hydrocarbons by EPA 8270D							
SW846 8270D	11B3252	NUB1969-01	30.00	1.00	02/16/11 14:00	SAS	EPA 3550B
Volatile Organic Compounds by EPA Method 8260B							
SW846 8260B	11B3006	NUB1969-01	6.03	5.00	02/09/11 13:50	CHH	EPA 5035

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

Work Order: NUB1969
 Project Name: Laurel Bay Housing Project
 Project Number: [none]
 Received: 02/12/11 09:00

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B						
11B3006-BLK1						
Benzene	<0.00110		mg/kg wet	11B3006	11B3006-BLK1	02/16/11 17:04
Ethylbenzene	<0.000980		mg/kg wet	11B3006	11B3006-BLK1	02/16/11 17:04
Naphthalene	<0.00170		mg/kg wet	11B3006	11B3006-BLK1	02/16/11 17:04
Toluene	<0.000890		mg/kg wet	11B3006	11B3006-BLK1	02/16/11 17:04
Xylenes, total	<0.00190		mg/kg wet	11B3006	11B3006-BLK1	02/16/11 17:04
Surrogate: 1,2-Dichloroethane-d4	102%			11B3006	11B3006-BLK1	02/16/11 17:04
Surrogate: Dibromofluoromethane	99%			11B3006	11B3006-BLK1	02/16/11 17:04
Surrogate: Toluene-d8	104%			11B3006	11B3006-BLK1	02/16/11 17:04
Surrogate: 4-Bromofluorobenzene	102%			11B3006	11B3006-BLK1	02/16/11 17:04
Polyaromatic Hydrocarbons by EPA 8270D						
11B3252-BLK1						
Acenaphthene	<0.0140		mg/kg wet	11B3252	11B3252-BLK1	02/16/11 22:31
Acenaphthylene	<0.0200		mg/kg wet	11B3252	11B3252-BLK1	02/16/11 22:31
Anthracene	<0.00900		mg/kg wet	11B3252	11B3252-BLK1	02/16/11 22:31
Benzo (a) anthracene	<0.0110		mg/kg wet	11B3252	11B3252-BLK1	02/16/11 22:31
Benzo (a) pyrene	<0.00800		mg/kg wet	11B3252	11B3252-BLK1	02/16/11 22:31
Benzo (b) fluoranthene	<0.0380		mg/kg wet	11B3252	11B3252-BLK1	02/16/11 22:31
Benzo (g,h,i) perylene	<0.00900		mg/kg wet	11B3252	11B3252-BLK1	02/16/11 22:31
Benzo (k) fluoranthene	<0.0370		mg/kg wet	11B3252	11B3252-BLK1	02/16/11 22:31
Chrysene	<0.0310		mg/kg wet	11B3252	11B3252-BLK1	02/16/11 22:31
Dibenz (a,h) anthracene	<0.0150		mg/kg wet	11B3252	11B3252-BLK1	02/16/11 22:31
Fluoranthene	<0.0110		mg/kg wet	11B3252	11B3252-BLK1	02/16/11 22:31
Fluorene	<0.0200		mg/kg wet	11B3252	11B3252-BLK1	02/16/11 22:31
Indeno (1,2,3-cd) pyrene	<0.0310		mg/kg wet	11B3252	11B3252-BLK1	02/16/11 22:31
Naphthalene	<0.0140		mg/kg wet	11B3252	11B3252-BLK1	02/16/11 22:31
Phenanthrene	<0.0100		mg/kg wet	11B3252	11B3252-BLK1	02/16/11 22:31
Pyrene	<0.0230		mg/kg wet	11B3252	11B3252-BLK1	02/16/11 22:31
1-Methylnaphthalene	<0.0120		mg/kg wet	11B3252	11B3252-BLK1	02/16/11 22:31
2-Methylnaphthalene	<0.0210		mg/kg wet	11B3252	11B3252-BLK1	02/16/11 22:31
Surrogate: Terphenyl-d14	89%			11B3252	11B3252-BLK1	02/16/11 22:31
Surrogate: 2-Fluorobiphenyl	76%			11B3252	11B3252-BLK1	02/16/11 22:31
Surrogate: Nitrobenzene-d5	83%			11B3252	11B3252-BLK1	02/16/11 22:31

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

Work Order: NUB1969
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 02/12/11 09:00

PROJECT QUALITY CONTROL DATA

Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	% Rec.	Analyzed Date/Time
General Chemistry Parameters										
11B3233-DUP1										
% Dry Solids	82.8	82.9		%	0.1	20	11B3233	NUB1979-22		02/18/11 10:54

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

Work Order: NUB1969
 Project Name: Laurel Bay Housing Project
 Project Number: [none]
 Received: 02/12/11 09:00

PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
11B3006-BS1								
Benzene	50.0	60.7		ug/kg	121%	78 - 126	11B3006	02/16/11 15:34
Ethylbenzene	50.0	63.7		ug/kg	127%	79 - 130	11B3006	02/16/11 15:34
Naphthalene	50.0	71.5		ug/kg	143%	72 - 150	11B3006	02/16/11 15:34
Toluene	50.0	61.8		ug/kg	124%	76 - 126	11B3006	02/16/11 15:34
Xylenes, total	150	193		ug/kg	128%	80 - 130	11B3006	02/16/11 15:34
Surrogate: 1,2-Dichloroethane-d4	50.0	50.2			100%	67 - 138	11B3006	02/16/11 15:34
Surrogate: Dibromofluoromethane	50.0	51.4			103%	75 - 125	11B3006	02/16/11 15:34
Surrogate: Toluene-d8	50.0	51.5			103%	76 - 129	11B3006	02/16/11 15:34
Surrogate: 4-Bromofluorobenzene	50.0	50.1			100%	67 - 147	11B3006	02/16/11 15:34
Polyaromatic Hydrocarbons by EPA 8270D								
11B3252-BS1								
Acenaphthene	1.67	1.18		mg/kg wet	71%	49 - 120	11B3252	02/16/11 22:54
Acenaphthylene	1.67	1.31		mg/kg wet	79%	52 - 120	11B3252	02/16/11 22:54
Anthracene	1.67	1.34		mg/kg wet	81%	58 - 120	11B3252	02/16/11 22:54
Benzo (a) anthracene	1.67	1.40		mg/kg wet	84%	57 - 120	11B3252	02/16/11 22:54
Benzo (a) pyrene	1.67	1.46		mg/kg wet	87%	55 - 120	11B3252	02/16/11 22:54
Benzo (b) fluoranthene	1.67	1.39		mg/kg wet	83%	51 - 123	11B3252	02/16/11 22:54
Benzo (g,h,i) perylene	1.67	1.31		mg/kg wet	79%	49 - 121	11B3252	02/16/11 22:54
Benzo (k) fluoranthene	1.67	1.41		mg/kg wet	85%	42 - 129	11B3252	02/16/11 22:54
Chrysene	1.67	1.26		mg/kg wet	76%	55 - 120	11B3252	02/16/11 22:54
Dibenz (a,h) anthracene	1.67	1.36		mg/kg wet	81%	50 - 123	11B3252	02/16/11 22:54
Fluoranthene	1.67	1.33		mg/kg wet	80%	58 - 120	11B3252	02/16/11 22:54
Fluorene	1.67	1.29		mg/kg wet	77%	54 - 120	11B3252	02/16/11 22:54
Indeno (1,2,3-cd) pyrene	1.67	1.36		mg/kg wet	81%	50 - 122	11B3252	02/16/11 22:54
Naphthalene	1.67	1.08		mg/kg wet	65%	28 - 120	11B3252	02/16/11 22:54
Phenanthrene	1.67	1.31		mg/kg wet	79%	56 - 120	11B3252	02/16/11 22:54
Pyrene	1.67	1.47		mg/kg wet	88%	56 - 120	11B3252	02/16/11 22:54
1-Methylnaphthalene	1.67	1.05		mg/kg wet	63%	36 - 120	11B3252	02/16/11 22:54
2-Methylnaphthalene	1.67	1.16		mg/kg wet	70%	36 - 120	11B3252	02/16/11 22:54
Surrogate: Terphenyl-d14	1.67	1.29			77%	18 - 120	11B3252	02/16/11 22:54
Surrogate: 2-Fluorobiphenyl	1.67	1.09			66%	14 - 120	11B3252	02/16/11 22:54
Surrogate: Nitrobenzene-d5	1.67	1.12			67%	17 - 120	11B3252	02/16/11 22:54

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

Work Order: NUB1969
 Project Name: Laurel Bay Housing Project
 Project Number: [none]
 Received: 02/12/11 09:00

PROJECT QUALITY CONTROL DATA
Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B										
11B3006-MS1										
Benzene	ND	0.105	MI	mg/kg dry	0.0699	150%	42 - 141	11B3006	NUB1969-01	02/16/11 19:28
Ethylbenzene	ND	0.108		mg/kg dry	0.0699	155%	21 - 165	11B3006	NUB1969-01	02/16/11 19:28
Naphthalene	0.00473	0.119	MI	mg/kg dry	0.0699	163%	10 - 160	11B3006	NUB1969-01	02/16/11 19:28
Toluene	ND	0.108	MI	mg/kg dry	0.0699	154%	45 - 145	11B3006	NUB1969-01	02/16/11 19:28
Xylenes, total	ND	0.320		mg/kg dry	0.210	153%	31 - 159	11B3006	NUB1969-01	02/16/11 19:28
<i>Surrogate: 1,2-Dichloroethane-d4</i>		46.3		ug/kg	50.0	93%	67 - 138	11B3006	NUB1969-01	02/16/11 19:28
<i>Surrogate: Dibromofluoromethane</i>		49.3		ug/kg	50.0	99%	75 - 125	11B3006	NUB1969-01	02/16/11 19:28
<i>Surrogate: Toluene-d8</i>		53.4		ug/kg	50.0	107%	76 - 129	11B3006	NUB1969-01	02/16/11 19:28
<i>Surrogate: 4-Bromofluorobenzene</i>		52.9		ug/kg	50.0	106%	67 - 147	11B3006	NUB1969-01	02/16/11 19:28
Polyaromatic Hydrocarbons by EPA 8270D										
11B3252-MS1										
Acenaphthene	ND	2.12		mg/kg dry	3.17	67%	42 - 120	11B3252	NUB1584-01	02/16/11 23:16
Acenaphthylene	ND	2.34		mg/kg dry	3.17	74%	32 - 120	11B3252	NUB1584-01	02/16/11 23:16
Anthracene	ND	2.38		mg/kg dry	3.17	75%	10 - 200	11B3252	NUB1584-01	02/16/11 23:16
Benzo (a) anthracene	ND	2.52		mg/kg dry	3.17	79%	41 - 120	11B3252	NUB1584-01	02/16/11 23:16
Benzo (a) pyrene	ND	2.55		mg/kg dry	3.17	81%	33 - 121	11B3252	NUB1584-01	02/16/11 23:16
Benzo (b) fluoranthene	ND	2.41		mg/kg dry	3.17	76%	26 - 137	11B3252	NUB1584-01	02/16/11 23:16
Benzo (g,h,i) perylene	ND	2.26		mg/kg dry	3.17	71%	21 - 124	11B3252	NUB1584-01	02/16/11 23:16
Benzo (k) fluoranthene	ND	2.54		mg/kg dry	3.17	80%	14 - 140	11B3252	NUB1584-01	02/16/11 23:16
Chrysene	ND	2.24		mg/kg dry	3.17	71%	28 - 123	11B3252	NUB1584-01	02/16/11 23:16
Dibenz (a,h) anthracene	ND	2.37		mg/kg dry	3.17	75%	25 - 127	11B3252	NUB1584-01	02/16/11 23:16
Fluoranthene	ND	2.30		mg/kg dry	3.17	72%	38 - 120	11B3252	NUB1584-01	02/16/11 23:16
Fluorene	ND	2.33		mg/kg dry	3.17	73%	41 - 120	11B3252	NUB1584-01	02/16/11 23:16
Indeno (1,2,3-cd) pyrene	ND	2.38		mg/kg dry	3.17	75%	25 - 123	11B3252	NUB1584-01	02/16/11 23:16
Naphthalene	ND	1.97		mg/kg dry	3.17	62%	25 - 120	11B3252	NUB1584-01	02/16/11 23:16
Phenanthrene	ND	2.36		mg/kg dry	3.17	74%	37 - 120	11B3252	NUB1584-01	02/16/11 23:16
Pyrene	ND	2.69		mg/kg dry	3.17	85%	29 - 125	11B3252	NUB1584-01	02/16/11 23:16
1-Methylnaphthalene	ND	1.92		mg/kg dry	3.17	60%	19 - 120	11B3252	NUB1584-01	02/16/11 23:16
2-Methylnaphthalene	ND	2.14		mg/kg dry	3.17	67%	11 - 120	11B3252	NUB1584-01	02/16/11 23:16
<i>Surrogate: Terphenyl-d14</i>		2.12		mg/kg dry	3.17	67%	18 - 120	11B3252	NUB1584-01	02/16/11 23:16
<i>Surrogate: 2-Fluorobiphenyl</i>		1.76		mg/kg dry	3.17	56%	14 - 120	11B3252	NUB1584-01	02/16/11 23:16
<i>Surrogate: Nitrobenzene-d5</i>		1.94		mg/kg dry	3.17	61%	17 - 120	11B3252	NUB1584-01	02/16/11 23:16

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

Work Order: NUB1969
 Project Name: Laurel Bay Housing Project
 Project Number: [none]
 Received: 02/12/11 09:00

PROJECT QUALITY CONTROL DATA
Matrix Spike Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
11B3006-MSD1												
Benzene	ND	0.0689		mg/kg dry	0.0647	107%	42 - 141	42	50	11B3006	NUB1969-01	02/16/11 19:57
Ethylbenzene	ND	0.0744		mg/kg dry	0.0647	115%	21 - 165	37	50	11B3006	NUB1969-01	02/16/11 19:57
Naphthalene	0.00473	0.0654	R2	mg/kg dry	0.0647	94%	10 - 160	58	50	11B3006	NUB1969-01	02/16/11 19:57
Toluene	ND	0.0759		mg/kg dry	0.0647	117%	45 - 145	34	50	11B3006	NUB1969-01	02/16/11 19:57
Xylenes, total	ND	0.220		mg/kg dry	0.194	113%	31 - 159	37	50	11B3006	NUB1969-01	02/16/11 19:57
Surrogate: 1,2-Dichloroethane-d4		44.0		ug/kg	50.0	88%	67 - 138			11B3006	NUB1969-01	02/16/11 19:57
Surrogate: Dibromofluoromethane		46.4		ug/kg	50.0	93%	75 - 125			11B3006	NUB1969-01	02/16/11 19:57
Surrogate: Toluene-d8		52.3		ug/kg	50.0	105%	76 - 129			11B3006	NUB1969-01	02/16/11 19:57
Surrogate: 4-Bromofluorobenzene		48.8		ug/kg	50.0	98%	67 - 147			11B3006	NUB1969-01	02/16/11 19:57

Polyaromatic Hydrocarbons by EPA 8270D

11B3252-MSD1												
Acenaphthene	ND	2.33		mg/kg dry	3.11	75%	42 - 120	9	40	11B3252	NUB1584-01	02/16/11 23:38
Acenaphthylene	ND	2.55		mg/kg dry	3.11	82%	32 - 120	9	30	11B3252	NUB1584-01	02/16/11 23:38
Anthracene	ND	2.64		mg/kg dry	3.11	85%	10 - 200	10	50	11B3252	NUB1584-01	02/16/11 23:38
Benzo (a) anthracene	ND	2.73		mg/kg dry	3.11	88%	41 - 120	8	30	11B3252	NUB1584-01	02/16/11 23:38
Benzo (a) pyrene	ND	2.81		mg/kg dry	3.11	90%	33 - 121	9	33	11B3252	NUB1584-01	02/16/11 23:38
Benzo (b) fluoranthene	ND	2.66		mg/kg dry	3.11	85%	26 - 137	10	42	11B3252	NUB1584-01	02/16/11 23:38
Benzo (g,h,i) perylene	ND	2.56		mg/kg dry	3.11	82%	21 - 124	12	32	11B3252	NUB1584-01	02/16/11 23:38
Benzo (k) fluoranthene	ND	2.71		mg/kg dry	3.11	87%	14 - 140	7	39	11B3252	NUB1584-01	02/16/11 23:38
Chrysene	ND	2.47		mg/kg dry	3.11	79%	28 - 123	10	34	11B3252	NUB1584-01	02/16/11 23:38
Dibenz (a,h) anthracene	ND	2.66		mg/kg dry	3.11	85%	25 - 127	11	31	11B3252	NUB1584-01	02/16/11 23:38
Fluoranthene	ND	2.54		mg/kg dry	3.11	82%	38 - 120	10	35	11B3252	NUB1584-01	02/16/11 23:38
Fluorene	ND	2.54		mg/kg dry	3.11	82%	41 - 120	9	37	11B3252	NUB1584-01	02/16/11 23:38
Indeno (1,2,3-cd) pyrene	ND	2.63		mg/kg dry	3.11	85%	25 - 123	10	32	11B3252	NUB1584-01	02/16/11 23:38
Naphthalene	ND	2.12		mg/kg dry	3.11	68%	25 - 120	8	42	11B3252	NUB1584-01	02/16/11 23:38
Phenanthrene	ND	2.59		mg/kg dry	3.11	83%	37 - 120	9	32	11B3252	NUB1584-01	02/16/11 23:38
Pyrene	ND	2.99		mg/kg dry	3.11	96%	29 - 125	11	40	11B3252	NUB1584-01	02/16/11 23:38
1-Methylnaphthalene	ND	2.04		mg/kg dry	3.11	65%	19 - 120	6	45	11B3252	NUB1584-01	02/16/11 23:38
2-Methylnaphthalene	ND	2.29		mg/kg dry	3.11	74%	11 - 120	7	50	11B3252	NUB1584-01	02/16/11 23:38
Surrogate: Terphenyl-d14		2.44		mg/kg dry	3.11	78%	18 - 120			11B3252	NUB1584-01	02/16/11 23:38
Surrogate: 2-Fluorobiphenyl		2.01		mg/kg dry	3.11	64%	14 - 120			11B3252	NUB1584-01	02/16/11 23:38
Surrogate: Nitrobenzene-d5		2.11		mg/kg dry	3.11	68%	17 - 120			11B3252	NUB1584-01	02/16/11 23:38

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

Work Order: NUB1969
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 02/12/11 09:00

Attn Tom McElwee

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			

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

Work Order: NUB1969
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 02/12/11 09:00

DATA QUALIFIERS AND DEFINITIONS

- J** Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
- M1** The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
- R2** The RPD exceeded the acceptance limit.
- ND** Not detected at the reporting limit (or method detection limit if shown)

METHOD MODIFICATION NOTES

ATTACHMENT A

UST Certificate of Disposal

CONTRACTOR

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

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

TANK ID & LOCATION

UST 287Birch, 287 Birch Drive, Laurel Bay Housing Area, MCAS Beaufort, S.C.

DISPOSAL LOCATION

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

TYPE OF TANK

SIZE (GAL)

Steel

280

CLEANING/DISPOSAL METHOD

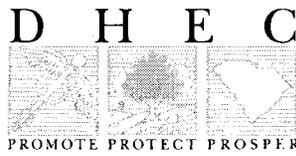
The tank and piping were unearthed, cut open, cleaned with a pressure washer, cut into sections, and recycled.

DISPOSAL CERTIFICATION

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

T.E. White / 11/3/11
(Name) (Date)

Appendix C
Regulatory Correspondence



Catherine B. Templeton, Director

Promoting and protecting the health of the public and the environment

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: 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 above 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)

D H E C



Catherine B. Templeton, Director

Promoting and protecting the health of the public and the environment

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

Laurel Bay Underground Storage Tank Assessment Reports for: (143 addresses/146 tanks)

212 Balsam	503 Laurel Bay
219 Balsam	508 Laurel Bay
260 Beech Tank 1	510 Laurel Bay
260 Beech Tank 2	523 Laurel Bay
267 Birch	525 Laurel Bay
287 Birch	529 Laurel Bay
302 Ash	533 Laurel Bay
305 Ash	537 Laurel Bay
334 Ash	556 Dahlia
338 Ash Tank 1	557 Dahlia
338 Ash Tank 2	559 Dahlia
361 Aspen	562 Dahlia
371 Aspen	568 Dahlia
372 Aspen Tank 1	581 Aster
372 Aspen Tank 2	582 Aster
375 Aspen	584 Aster
385 Aspen	602 Dahlia
403 Elderberry	607 Dahlia
407 Elderberry	614 Dahlia
411 Elderberry	616 Dahlia
414 Elderberry	619 Dahlia
415 Elderberry	625 Dahlia
421 Elderberry	629 Dahlia
427 Elderberry	631 Dahlia
428 Elderberry	634 Dahlia
431 Elderberry	660 Camellia
455 Elderberry	661 Camellia
484 Laurel Bay	666 Camellia
490 Laurel Bay	669 Camellia
502 Laurel Bay	672 Camellia

Laurel Bay Underground Storage Tank Assessment Reports for: (143 addresses/146 tanks) cont.

674 Camellia	880 Cobia
677 Camellia	890 Cobia
679 Camellia	892 Cobia
686 Camellia	900 Barracuda
690 Camellia	906 Barracuda
698 Abelia	911 Barracuda
700 Bluebell	912 Barracuda
704 Bluebell	917 Barracuda
705 Bluebell	919 Barracuda
708 Bluebell	928 Albacore
710 Bluebell	1024 Foxglove
711 Bluebell	1028 Foxglove
714 Bluebell	1029 Foxglove
715 Bluebell	1038 Iris
726 Bluebell	1049 Gardenia
728 Bluebell	1079 Heather
731 Bluebell	1103 Iris
734 Bluebell	1122 Iris
759 Althea	1136 Iris
761 Althea	1173 Bobwhite
773 Althea	1200 Cardinal
778 Laurel Bay	1221 Cardinal
807 Azalea	1238 Dove
814 Azalea	1241 Dove
815 Azalea	1242 Dove
818 Azalea	1248 Dove
820 Azalea	1262 Dove
821 Azalea	1265 Dove
831 Azalea	1267 Dove
832 Azalea	1289 Eagle
834 Azalea	1298 Eagle
835 Azalea	1300 Eagle
841 Azalea	1303 Eagle
853 Dolphin	1304 Eagle
858 Dolphin	1315 Albatross
869 Cobia	1316 Albatross
874 Cobia	1320 Albatross
875 Cobia	1338 Albatross

Laurel Bay Underground Storage Tank Assessment Reports for: (143 addresses/146 tanks) cont.

1340 Albatross	
1342 Albatross	
1344 Cardinal	
1345 Cardinal	
1349 Cardinal	
1355 Cardinal	
1366 Cardinal	
1374 Dove	
1375 Dove	
1415 Albatross	