

SUMMARY REPORT
180 ELDERBERRY DRIVE (FORMERLY 419 ELDERBERRY DRIVE)
LAUREL BAY MILITARY HOUSING AREA
MARINE CORPS AIR STATION BEAUFORT
BEAUFORT, SC

Revision: 0
Prepared for:

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

and



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

JUNE 2021

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Prepared by:



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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 180 Elderberry Drive (Formerly 419 Elderberry Drive). This NFA determination indicates that there are no unacceptable risks to human health or the environment for the petroleum constituents associated with the home heating oil USTs. The following information is included in this report:

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

1.1 Background Information

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

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

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

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

1.2 UST Removal and Assessment Process

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

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

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

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

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

2.0 SAMPLING ACTIVITIES AND RESULTS

The following section presents the sampling activities and associated results for 180 Elderberry Drive (Formerly 419 Elderberry Drive). Details regarding the soil investigation at this site are provided in the *SCDHEC UST Assessment Report – 419 Elderberry Drive* (MCAS Beaufort, 2010). The UST Assessment Report is provided in Appendix B.

2.1 UST Removal and Soil Sampling

On November 9, 2009, a single 280 gallon heating oil UST was removed from the landscaped area adjacent to the concrete porch at 180 Elderberry Drive (Formerly 419 Elderberry Drive). 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 6'2" 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 180 Elderberry Drive (Formerly 419 Elderberry Drive) 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 180 Elderberry Drive (Formerly 419 Elderberry Drive). This NFA determination was obtained in a letter dated September 9, 2010. SCDHEC's NFA letter is provided in Appendix C.

4.0 REFERENCES

Marine Corps Air Station Beaufort, 2010. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 419 Elderberry Drive, Laurel Bay Military Housing Area*, February 2010.

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
180 Elderberry Drive (Formerly 419 Elderberry Drive)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

| Constituent | SCDHEC RBSLs ⁽¹⁾ | Results Sample Collected 11/09/09 |
|--|-----------------------------|--------------------------------------|
| Volatile Organic Compounds Analyzed by EPA Method 8260B (mg/kg) | | |
| Benzene | 0.003 | ND |
| Ethylbenzene | 1.15 | ND |
| Naphthalene | 0.036 | ND |
| 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 1.0 and 1.1 (SCDHEC, May 2001 and SCDHEC, February 2011) 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



Appendix A - Multi-Media Selection Process for LBMH

Appendix B
UST Assessment Report

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

| | |
|------------------------------|-------------------------------|
| Date Received | State Use Only |
|------------------------------|-------------------------------|

Submit Completed Form To:
 UST Program
 SCDHEC
 2600 Bull Street
 Columbia, South Carolina 29201
 Telephone (803) 896-7957

I. OWNERSHIP OF UST (S)

| | | |
|--|------------------------------|------------------------------|
| MCAS Beaufort, Commanding Officer Attn: NREAO (Craig Ehde) Owner Name (Corporation, Individual, Public Agency, Other) | | |
| P.O. Box 55001 Mailing Address | | |
| Beaufort, City | South Carolina State | 29904-5001 Zip Code |
| 843 Area Code | 228-7317 Telephone Number | Craig Ehde 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 | |
| 419 Elderberry Drive, Laurel Bay Military Housing Area Street Address or State Road (as applicable) | |
| Beaufort, City | Beaufort County |

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.....

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

UST 419Elderberry 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 419Elderberry had been previously filled with sand by others.

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

Corrosion, pitting and holes were found throughout the tank.

| | | | | |
|-------------------|--|--|--|--|
| 419 Elderberry | | | | |
| Heating oil | | | | |
| 280 gal | | | | |
| Late 1950s | | | | |
| Steel | | | | |
| Unknown | | | | |
| 6'2" | | | | |
| No | | | | |
| No | | | | |
| Removed | | | | |
| 11/9/09 | | | | |
| Yes | | | | |
| Yes | | | | |

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.....

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

| | | | | |
|----------------|--|--|--|--|
| 419 Elderberry | | | | |
| Steel & Copper | | | | |
| N/A | | | | |
| N/A | | | | |
| Suction | | | | |
| Yes | | | | |
| Yes | | | | |
| No | | | | |
| Late 1950s | | | | |

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

VIII. BRIEF SITE DESCRIPTION AND HISTORY

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

IX. SITE CONDITIONS

| | Yes | No | Unk |
|--|-----|----|-----|
| <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>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 84009001

B.

| Sample # | Location | Sample Type (Soil/Water) | Soil Type (Sand/Clay) | Depth* | Date/Time of Collection | Collected by | OVA # |
|---------------------|----------------------|-----------------------------|--------------------------|--------|----------------------------|-----------------|-------|
| 419 El- derberry | Excav at fill end | Soil | Sandy | 6'2" | 11/09/09 1515 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.

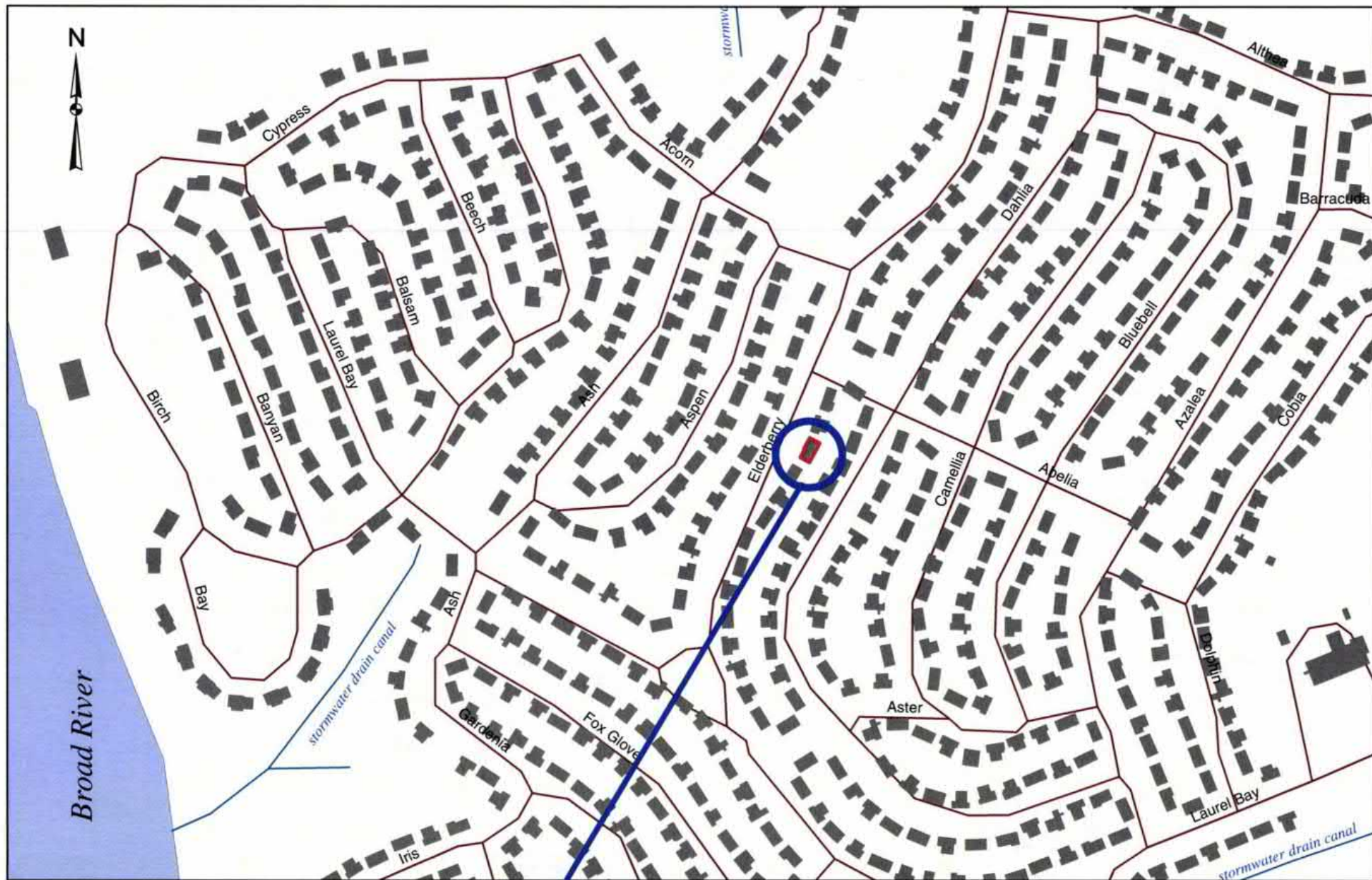
XII. RECEPTORS

| | Yes | No |
|--|-----|----|
| <p>A. Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the UST system?</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?</p> <p style="text-align: right;">*Sewer and water</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 |

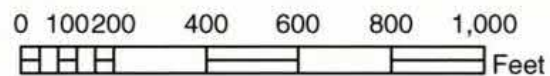
XIII. SITE MAP

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)



419 ELDERBERRY DR.



SBG-EEG, Inc.

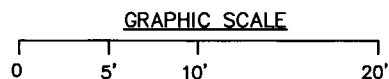
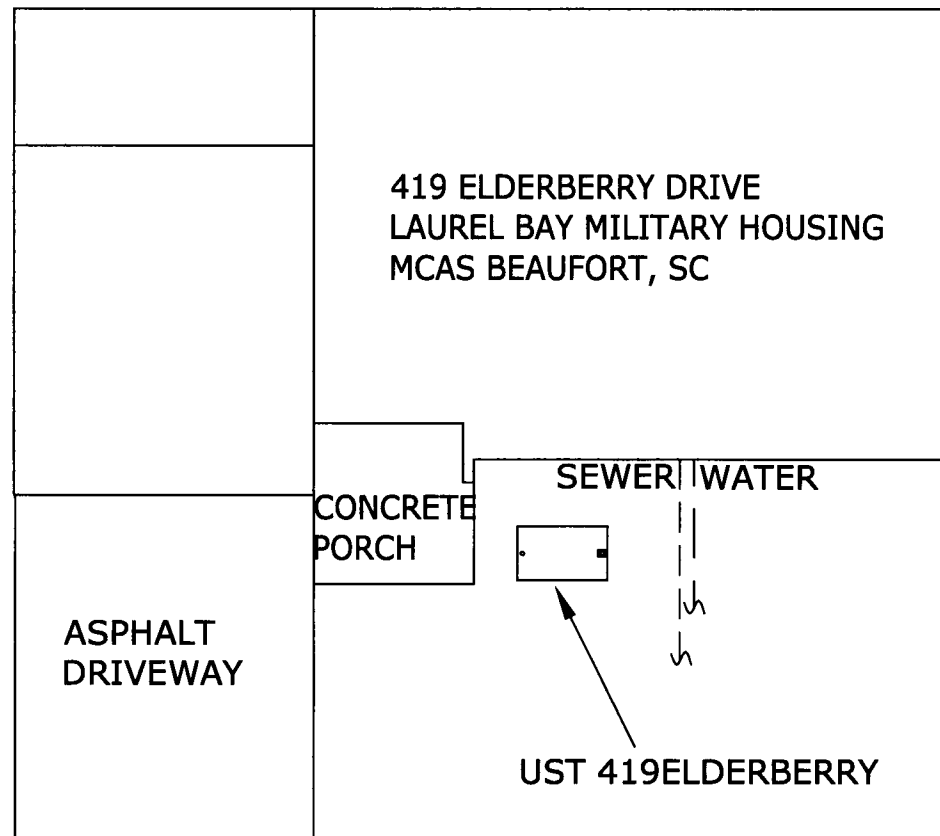
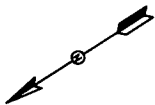
Small Business Group, Inc.
10179 Hwy 78
Ladson, SC 29456

Ph. (843) 879-0400

Drawn By: L. DiAsio

Dwg Date: DEC 2009

FIGURE 1: LOCATION MAP
419 ELDERBERRY DR., LAUREL BAY
MCAS BEAUFORT SC



SBG-EEG

10179 HWY 78
LADSON, SC 29456

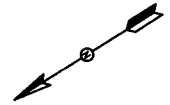
ph. (843) 879-0400

FIGURE 2 SITE MAP
419 ELDERBERRY DR., LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC

DWG DATE DEC 2009

419 ELDERBERRY DRIVE



CONCRETE
PORCH

SEWER

WATER

EXCAVATION

FILL END

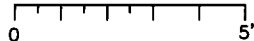
UST 419ELDERBERRY

SOIL SAMPLE
419 ELDERBERRY

ASPHALT DRIVEWAY

GRASS

GRAPHIC SCALE



UST 419ELDERBERRY WAS
38" BELOW GRADE.

SBG-EEG

10179 HWY 78
LADSON, SC 29456

ph. (843) 879-0400

FIGURE 3 UST SAMPLE LOCATIONS
419 ELDERBERRY DR., LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC

DWG DATE DEC 2009



Picture 1: Location of UST 419Elderberry.



Picture 2: UST 419Elderberry.

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 | 419Elderberry | | | | | | |
| 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)

November 25, 2009 3:06:37PM

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

Work Order: NSK1299
Project Name: Laurel Bay Housing Project
Project Nbr: [none]
P/O Nbr: 0829
Date Received: 11/13/09

| SAMPLE IDENTIFICATION | LAB NUMBER | COLLECTION DATE AND TIME |
|-----------------------|------------|--------------------------|
| 413 Elderberry | NSK1299-01 | 11/09/09 09:45 |
| 417 Elderberry | NSK1299-02 | 11/09/09 11:35 |
| 419 Elderberry | NSK1299-03 | 11/09/09 15:15 |

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: 84009001

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

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

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

Estimated uncertainty is available upon request.

This report has been electronically signed.

Report Approved By:



Ken A. Hayes

Senior Project Manager

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

Work Order: NSK1299
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 11/13/09 08:00

ANALYTICAL REPORT

| Analyte | Result | Flag | Units | MRL | Dilution Factor | Analysis Date/Time | Method | Analyst | Batch |
|--|--------|------|-----------|---------|-----------------|--------------------|-------------|---------|---------|
| Sample ID: NSK1299-01 (413 Elderberry - Soil) Sampled: 11/09/09 09:45 | | | | | | | | | |
| General Chemistry Parameters | | | | | | | | | |
| % Dry Solids | 95.8 | | % | 0.500 | 1 | 11/25/09 09:32 | SW-846 | BJM | 9114131 |
| Selected Volatile Organic Compounds by EPA Method 8260B | | | | | | | | | |
| Benzene | ND | | mg/kg dry | 0.00236 | 1 | 11/23/09 17:22 | SW846 8260B | KxC | 9114172 |
| Ethylbenzene | ND | | mg/kg dry | 0.00236 | 1 | 11/23/09 17:22 | SW846 8260B | KxC | 9114172 |
| Naphthalene | ND | | mg/kg dry | 0.00589 | 1 | 11/23/09 17:22 | SW846 8260B | KxC | 9114172 |
| Toluene | ND | | mg/kg dry | 0.00236 | 1 | 11/23/09 17:22 | SW846 8260B | KxC | 9114172 |
| Xylenes, total | ND | | mg/kg dry | 0.00589 | 1 | 11/23/09 17:22 | SW846 8260B | KxC | 9114172 |
| Surr: 1,2-Dichloroethane-d4 (67-138%) | 90 % | | | | | 11/23/09 17:22 | SW846 8260B | KxC | 9114172 |
| Surr: Dibromofluoromethane (75-125%) | 99 % | | | | | 11/23/09 17:22 | SW846 8260B | KxC | 9114172 |
| Surr: Toluene-d8 (76-129%) | 93 % | | | | | 11/23/09 17:22 | SW846 8260B | KxC | 9114172 |
| Surr: 4-Bromofluorobenzene (67-147%) | 90 % | | | | | 11/23/09 17:22 | SW846 8260B | KxC | 9114172 |

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

Work Order: NSK1299
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 11/13/09 08:00

ANALYTICAL REPORT

| Analyte | Result | Flag | Units | MDL | MRL | Dilution Factor | Analysis Date/Time | Method | Analyst | Batch |
|--|--------|------|-----------|--------|--------|--------------------|-----------------------|-------------|---------|---------|
| Sample ID: NSK1299-01 (413 Elderberry - Soil) - cont. Sampled: 11/09/09 09:45 | | | | | | | | | | |
| Polyaromatic Hydrocarbons by EPA 8270D | | | | | | | | | | |
| Acenaphthene | ND | | mg/kg dry | 0.0230 | 0.0699 | 1 | 11/17/09 21:45 | SW846 8270D | RMC | 9112389 |
| Acenaphthylene | ND | | mg/kg dry | 0.0230 | 0.0699 | 1 | 11/17/09 21:45 | SW846 8270D | RMC | 9112389 |
| Anthracene | ND | | mg/kg dry | 0.0157 | 0.0699 | 1 | 11/17/09 21:45 | SW846 8270D | RMC | 9112389 |
| Benzo (a) anthracene | ND | | mg/kg dry | 0.0136 | 0.0699 | 1 | 11/17/09 21:45 | SW846 8270D | RMC | 9112389 |
| Benzo (a) pyrene | ND | | mg/kg dry | 0.0157 | 0.0699 | 1 | 11/17/09 21:45 | SW846 8270D | RMC | 9112389 |
| Benzo (b) fluoranthene | ND | | mg/kg dry | 0.0177 | 0.0699 | 1 | 11/17/09 21:45 | SW846 8270D | RMC | 9112389 |
| Benzo (g,h,i) perylene | ND | | mg/kg dry | 0.0146 | 0.0699 | 1 | 11/17/09 21:45 | SW846 8270D | RMC | 9112389 |
| Benzo (k) fluoranthene | ND | | mg/kg dry | 0.0198 | 0.0699 | 1 | 11/17/09 21:45 | SW846 8270D | RMC | 9112389 |
| Chrysene | ND | | mg/kg dry | 0.0157 | 0.0699 | 1 | 11/17/09 21:45 | SW846 8270D | RMC | 9112389 |
| Dibenz (a,h) anthracene | ND | | mg/kg dry | 0.0146 | 0.0699 | 1 | 11/17/09 21:45 | SW846 8270D | RMC | 9112389 |
| Fluoranthene | ND | | mg/kg dry | 0.0146 | 0.0699 | 1 | 11/17/09 21:45 | SW846 8270D | RMC | 9112389 |
| Fluorene | ND | | mg/kg dry | 0.0136 | 0.0699 | 1 | 11/17/09 21:45 | SW846 8270D | RMC | 9112389 |
| Indeno (1,2,3-cd) pyrene | ND | | mg/kg dry | 0.0125 | 0.0699 | 1 | 11/17/09 21:45 | SW846 8270D | RMC | 9112389 |
| Naphthalene | ND | | mg/kg dry | 0.0209 | 0.0699 | 1 | 11/17/09 21:45 | SW846 8270D | RMC | 9112389 |
| Phenanthrene | ND | | mg/kg dry | 0.0136 | 0.0699 | 1 | 11/17/09 21:45 | SW846 8270D | RMC | 9112389 |
| Pyrene | ND | | mg/kg dry | 0.0125 | 0.0699 | 1 | 11/17/09 21:45 | SW846 8270D | RMC | 9112389 |
| 1-Methylnaphthalene | ND | | mg/kg dry | 0.0177 | 0.0699 | 1 | 11/17/09 21:45 | SW846 8270D | RMC | 9112389 |
| 2-Methylnaphthalene | ND | | mg/kg dry | 0.0188 | 0.0699 | 1 | 11/17/09 21:45 | SW846 8270D | RMC | 9112389 |
| Surr: Terphenyl-d14 (18-120%) | 65 % | | | | | 1 | 11/17/09 21:45 | SW846 8270D | RMC | 9112389 |
| Surr: 2-Fluorobiphenyl (14-120%) | 47 % | | | | | 1 | 11/17/09 21:45 | SW846 8270D | RMC | 9112389 |
| Surr: Nitrobenzene-d5 (17-120%) | 41 % | | | | | 1 | 11/17/09 21:45 | SW846 8270D | RMC | 9112389 |

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

Work Order: NSK1299
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 11/13/09 08:00

ANALYTICAL REPORT

| Analyte | Result | Flag | Units | MRL | Dilution Factor | Analysis Date/Time | Method | Analyst | Batch |
|--|--------|------|-----------|---------|-----------------|--------------------|-------------|---------|---------|
| Sample ID: NSK1299-02 (417 Elderberry - Soil) Sampled: 11/09/09 11:35 | | | | | | | | | |
| General Chemistry Parameters | | | | | | | | | |
| % Dry Solids | 93.6 | | % | 0.500 | 1 | 11/25/09 09:32 | SW-846 | BJM | 9114131 |
| Selected Volatile Organic Compounds by EPA Method 8260B | | | | | | | | | |
| Benzene | ND | | mg/kg dry | 0.00233 | 1 | 11/23/09 17:52 | SW846 8260B | KxC | 9114172 |
| Ethylbenzene | ND | | mg/kg dry | 0.00233 | 1 | 11/23/09 17:52 | SW846 8260B | KxC | 9114172 |
| Naphthalene | ND | | mg/kg dry | 0.00582 | 1 | 11/23/09 17:52 | SW846 8260B | KxC | 9114172 |
| Toluene | ND | | mg/kg dry | 0.00233 | 1 | 11/23/09 17:52 | SW846 8260B | KxC | 9114172 |
| Xylenes, total | ND | | mg/kg dry | 0.00582 | 1 | 11/23/09 17:52 | SW846 8260B | KxC | 9114172 |
| Surr: 1,2-Dichloroethane-d4 (67-138%) | 91 % | | | | | 11/23/09 17:52 | SW846 8260B | KxC | 9114172 |
| Surr: Dibromofluoromethane (75-125%) | 97 % | | | | | 11/23/09 17:52 | SW846 8260B | KxC | 9114172 |
| Surr: Toluene-d8 (76-129%) | 94 % | | | | | 11/23/09 17:52 | SW846 8260B | KxC | 9114172 |
| Surr: 4-Bromofluorobenzene (67-147%) | 89 % | | | | | 11/23/09 17:52 | SW846 8260B | KxC | 9114172 |

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

Work Order: NSK1299
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 11/13/09 08:00

ANALYTICAL REPORT

| Analyte | Result | Flag | Units | MDL | MRL | Dilution Factor | Analysis Date/Time | Method | Analyst | Batch |
|--|--------|------|-----------|--------|--------|--------------------|-----------------------|-------------|---------|---------|
| Sample ID: NSK1299-02 (417 Elderberry - Soil) - cont. Sampled: 11/09/09 11:35 | | | | | | | | | | |
| Polyaromatic Hydrocarbons by EPA 8270D | | | | | | | | | | |
| Acenaphthene | ND | | mg/kg dry | 0.0235 | 0.0716 | 1 | 11/18/09 12:19 | SW846 8270D | RMC | 9112389 |
| Acenaphthylene | ND | | mg/kg dry | 0.0235 | 0.0716 | 1 | 11/18/09 12:19 | SW846 8270D | RMC | 9112389 |
| Anthracene | ND | | mg/kg dry | 0.0160 | 0.0716 | 1 | 11/18/09 12:19 | SW846 8270D | RMC | 9112389 |
| Benzo (a) anthracene | ND | | mg/kg dry | 0.0139 | 0.0716 | 1 | 11/18/09 12:19 | SW846 8270D | RMC | 9112389 |
| Benzo (a) pyrene | ND | | mg/kg dry | 0.0160 | 0.0716 | 1 | 11/18/09 12:19 | SW846 8270D | RMC | 9112389 |
| Benzo (b) fluoranthene | ND | | mg/kg dry | 0.0182 | 0.0716 | 1 | 11/18/09 12:19 | SW846 8270D | RMC | 9112389 |
| Benzo (g,h,i) perylene | ND | | mg/kg dry | 0.0150 | 0.0716 | 1 | 11/18/09 12:19 | SW846 8270D | RMC | 9112389 |
| Benzo (k) fluoranthene | ND | | mg/kg dry | 0.0203 | 0.0716 | 1 | 11/18/09 12:19 | SW846 8270D | RMC | 9112389 |
| Chrysene | ND | | mg/kg dry | 0.0160 | 0.0716 | 1 | 11/18/09 12:19 | SW846 8270D | RMC | 9112389 |
| Dibenz (a,h) anthracene | ND | | mg/kg dry | 0.0150 | 0.0716 | 1 | 11/18/09 12:19 | SW846 8270D | RMC | 9112389 |
| Fluoranthene | ND | | mg/kg dry | 0.0150 | 0.0716 | 1 | 11/18/09 12:19 | SW846 8270D | RMC | 9112389 |
| Fluorene | ND | | mg/kg dry | 0.0139 | 0.0716 | 1 | 11/18/09 12:19 | SW846 8270D | RMC | 9112389 |
| Indeno (1,2,3-cd) pyrene | ND | | mg/kg dry | 0.0128 | 0.0716 | 1 | 11/18/09 12:19 | SW846 8270D | RMC | 9112389 |
| Naphthalene | ND | | mg/kg dry | 0.0214 | 0.0716 | 1 | 11/18/09 12:19 | SW846 8270D | RMC | 9112389 |
| Phenanthrene | ND | | mg/kg dry | 0.0139 | 0.0716 | 1 | 11/18/09 12:19 | SW846 8270D | RMC | 9112389 |
| Pyrene | ND | | mg/kg dry | 0.0128 | 0.0716 | 1 | 11/18/09 12:19 | SW846 8270D | RMC | 9112389 |
| 1-Methylnaphthalene | ND | | mg/kg dry | 0.0182 | 0.0716 | 1 | 11/18/09 12:19 | SW846 8270D | RMC | 9112389 |
| 2-Methylnaphthalene | ND | | mg/kg dry | 0.0192 | 0.0716 | 1 | 11/18/09 12:19 | SW846 8270D | RMC | 9112389 |
| Surr: Terphenyl-d14 (18-120%) | 57 % | | | | | 1 | 11/18/09 12:19 | SW846 8270D | RMC | 9112389 |
| Surr: 2-Fluorobiphenyl (14-120%) | 46 % | | | | | 1 | 11/18/09 12:19 | SW846 8270D | RMC | 9112389 |
| Surr: Nitrobenzene-d5 (17-120%) | 42 % | | | | | 1 | 11/18/09 12:19 | SW846 8270D | RMC | 9112389 |

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

Work Order: NSK1299
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 11/13/09 08:00

ANALYTICAL REPORT

| Analyte | Result | Flag | Units | MRL | Dilution Factor | Analysis Date/Time | Method | Analyst | Batch |
|--|--------|------|-----------|---------|-----------------|--------------------|-------------|---------|---------|
| Sample ID: NSK1299-03 (419 Elderberry - Soil) Sampled: 11/09/09 15:15 | | | | | | | | | |
| General Chemistry Parameters | | | | | | | | | |
| % Dry Solids | 94.1 | | % | 0.500 | 1 | 11/25/09 09:32 | SW-846 | BJM | 9114131 |
| Selected Volatile Organic Compounds by EPA Method 8260B | | | | | | | | | |
| Benzene | ND | | mg/kg dry | 0.00229 | 1 | 11/23/09 18:23 | SW846 8260B | KxC | 9114172 |
| Ethylbenzene | ND | | mg/kg dry | 0.00229 | 1 | 11/23/09 18:23 | SW846 8260B | KxC | 9114172 |
| Naphthalene | ND | | mg/kg dry | 0.00571 | 1 | 11/23/09 18:23 | SW846 8260B | KxC | 9114172 |
| Toluene | ND | | mg/kg dry | 0.00229 | 1 | 11/23/09 18:23 | SW846 8260B | KxC | 9114172 |
| Xylenes, total | ND | | mg/kg dry | 0.00571 | 1 | 11/23/09 18:23 | SW846 8260B | KxC | 9114172 |
| Surr: 1,2-Dichloroethane-d4 (67-138%) | 92 % | | | | | 11/23/09 18:23 | SW846 8260B | KxC | 9114172 |
| Surr: Dibromofluoromethane (75-125%) | 97 % | | | | | 11/23/09 18:23 | SW846 8260B | KxC | 9114172 |
| Surr: Toluene-d8 (76-129%) | 94 % | | | | | 11/23/09 18:23 | SW846 8260B | KxC | 9114172 |
| Surr: 4-Bromofluorobenzene (67-147%) | 89 % | | | | | 11/23/09 18:23 | SW846 8260B | KxC | 9114172 |

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

Work Order: NSK1299
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 11/13/09 08:00

ANALYTICAL REPORT

| Analyte | Result | Flag | Units | MDL | MRL | Dilution Factor | Analysis Date/Time | Method | Analyst | Batch |
|--|--------|------|-----------|--------|--------|--------------------|-----------------------|-------------|---------|---------|
| Sample ID: NSK1299-03 (419 Elderberry - Soil) - cont. Sampled: 11/09/09 15:15 | | | | | | | | | | |
| Polyaromatic Hydrocarbons by EPA 8270D | | | | | | | | | | |
| Acenaphthene | ND | | mg/kg dry | 0.0234 | 0.0712 | 1 | 11/18/09 12:42 | SW846 8270D | RMC | 9112389 |
| Acenaphthylene | ND | | mg/kg dry | 0.0234 | 0.0712 | 1 | 11/18/09 12:42 | SW846 8270D | RMC | 9112389 |
| Anthracene | ND | | mg/kg dry | 0.0159 | 0.0712 | 1 | 11/18/09 12:42 | SW846 8270D | RMC | 9112389 |
| Benzo (a) anthracene | ND | | mg/kg dry | 0.0138 | 0.0712 | 1 | 11/18/09 12:42 | SW846 8270D | RMC | 9112389 |
| Benzo (a) pyrene | ND | | mg/kg dry | 0.0159 | 0.0712 | 1 | 11/18/09 12:42 | SW846 8270D | RMC | 9112389 |
| Benzo (b) fluoranthene | ND | | mg/kg dry | 0.0181 | 0.0712 | 1 | 11/18/09 12:42 | SW846 8270D | RMC | 9112389 |
| Benzo (g,h,i) perylene | ND | | mg/kg dry | 0.0149 | 0.0712 | 1 | 11/18/09 12:42 | SW846 8270D | RMC | 9112389 |
| Benzo (k) fluoranthene | ND | | mg/kg dry | 0.0202 | 0.0712 | 1 | 11/18/09 12:42 | SW846 8270D | RMC | 9112389 |
| Chrysene | ND | | mg/kg dry | 0.0159 | 0.0712 | 1 | 11/18/09 12:42 | SW846 8270D | RMC | 9112389 |
| Dibenz (a,h) anthracene | ND | | mg/kg dry | 0.0149 | 0.0712 | 1 | 11/18/09 12:42 | SW846 8270D | RMC | 9112389 |
| Fluoranthene | ND | | mg/kg dry | 0.0149 | 0.0712 | 1 | 11/18/09 12:42 | SW846 8270D | RMC | 9112389 |
| Fluorene | ND | | mg/kg dry | 0.0138 | 0.0712 | 1 | 11/18/09 12:42 | SW846 8270D | RMC | 9112389 |
| Indeno (1,2,3-cd) pyrene | ND | | mg/kg dry | 0.0128 | 0.0712 | 1 | 11/18/09 12:42 | SW846 8270D | RMC | 9112389 |
| Naphthalene | ND | | mg/kg dry | 0.0213 | 0.0712 | 1 | 11/18/09 12:42 | SW846 8270D | RMC | 9112389 |
| Phenanthrene | ND | | mg/kg dry | 0.0138 | 0.0712 | 1 | 11/18/09 12:42 | SW846 8270D | RMC | 9112389 |
| Pyrene | ND | | mg/kg dry | 0.0128 | 0.0712 | 1 | 11/18/09 12:42 | SW846 8270D | RMC | 9112389 |
| 1-Methylnaphthalene | ND | | mg/kg dry | 0.0181 | 0.0712 | 1 | 11/18/09 12:42 | SW846 8270D | RMC | 9112389 |
| 2-Methylnaphthalene | ND | | mg/kg dry | 0.0191 | 0.0712 | 1 | 11/18/09 12:42 | SW846 8270D | RMC | 9112389 |
| Surr: Terphenyl-d14 (18-120%) | 62 % | | | | | 1 | 11/18/09 12:42 | SW846 8270D | RMC | 9112389 |
| Surr: 2-Fluorobiphenyl (14-120%) | 51 % | | | | | 1 | 11/18/09 12:42 | SW846 8270D | RMC | 9112389 |
| Surr: Nitrobenzene-d5 (17-120%) | 46 % | | | | | 1 | 11/18/09 12:42 | SW846 8270D | RMC | 9112389 |

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

Work Order: NSK1299
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 11/13/09 08:00

SAMPLE EXTRACTION DATA

| Parameter | Batch | Lab Number | Wt/Vol Extracted | Extracted Vol | Date | Analyst | Extraction Method |
|---|---------|------------|---------------------|---------------|----------------|---------|----------------------|
| Polyaromatic Hydrocarbons by EPA 8270D | | | | | | | |
| SW846 8270D | 9112389 | NSK1299-01 | 30.00 | 1.00 | 11/16/09 10:00 | TEM | EPA 3550B |
| SW846 8270D | 9112389 | NSK1299-02 | 30.00 | 1.00 | 11/16/09 10:00 | TEM | EPA 3550B |
| SW846 8270D | 9112389 | NSK1299-03 | 30.00 | 1.00 | 11/16/09 10:00 | TEM | EPA 3550B |
| Selected Volatile Organic Compounds by EPA Method 8260B | | | | | | | |
| SW846 8260B | 9114172 | NSK1299-01 | 4.43 | 5.00 | 11/09/09 09:45 | JRL | EPA 5035 |
| SW846 8260B | 9114172 | NSK1299-02 | 4.59 | 5.00 | 11/09/09 11:35 | JRL | EPA 5035 |
| SW846 8260B | 9114172 | NSK1299-03 | 4.65 | 5.00 | 11/09/09 15:15 | JRL | EPA 5035 |

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

Work Order: NSK1299
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 11/13/09 08:00

PROJECT QUALITY CONTROL DATA

Blank

| Analyte | Blank Value | Q | Units | Q.C. Batch | Lab Number | Analyzed Date/Time |
|---------|-------------|---|-------|------------|------------|--------------------|
|---------|-------------|---|-------|------------|------------|--------------------|

Selected Volatile Organic Compounds by EPA Method 8260B

9114172-BLK1

| | | | | | | |
|----------------------------------|-----------|--|-----------|---------|--------------|----------------|
| Benzene | <0.000670 | | mg/kg wet | 9114172 | 9114172-BLK1 | 11/23/09 15:39 |
| Ethylbenzene | <0.000670 | | mg/kg wet | 9114172 | 9114172-BLK1 | 11/23/09 15:39 |
| Naphthalene | <0.00170 | | mg/kg wet | 9114172 | 9114172-BLK1 | 11/23/09 15:39 |
| Toluene | <0.000400 | | mg/kg wet | 9114172 | 9114172-BLK1 | 11/23/09 15:39 |
| Xylenes, total | <0.00130 | | mg/kg wet | 9114172 | 9114172-BLK1 | 11/23/09 15:39 |
| Surrogate: 1,2-Dichloroethane-d4 | 89% | | | 9114172 | 9114172-BLK1 | 11/23/09 15:39 |
| Surrogate: Dibromofluoromethane | 96% | | | 9114172 | 9114172-BLK1 | 11/23/09 15:39 |
| Surrogate: Toluene-d8 | 94% | | | 9114172 | 9114172-BLK1 | 11/23/09 15:39 |
| Surrogate: 4-Bromofluorobenzene | 87% | | | 9114172 | 9114172-BLK1 | 11/23/09 15:39 |

Polyaromatic Hydrocarbons by EPA 8270D

9112389-BLK1

| | | | | | | |
|-----------------------------|---------|--|-----------|---------|--------------|----------------|
| Acenaphthene | <0.0220 | | mg/kg wet | 9112389 | 9112389-BLK1 | 11/17/09 13:30 |
| Acenaphthylene | <0.0220 | | mg/kg wet | 9112389 | 9112389-BLK1 | 11/17/09 13:30 |
| Anthracene | <0.0150 | | mg/kg wet | 9112389 | 9112389-BLK1 | 11/17/09 13:30 |
| Benzo (a) anthracene | <0.0130 | | mg/kg wet | 9112389 | 9112389-BLK1 | 11/17/09 13:30 |
| Benzo (a) pyrene | <0.0150 | | mg/kg wet | 9112389 | 9112389-BLK1 | 11/17/09 13:30 |
| Benzo (b) fluoranthene | <0.0170 | | mg/kg wet | 9112389 | 9112389-BLK1 | 11/17/09 13:30 |
| Benzo (g,h,i) perylene | <0.0140 | | mg/kg wet | 9112389 | 9112389-BLK1 | 11/17/09 13:30 |
| Benzo (k) fluoranthene | <0.0190 | | mg/kg wet | 9112389 | 9112389-BLK1 | 11/17/09 13:30 |
| Chrysene | <0.0150 | | mg/kg wet | 9112389 | 9112389-BLK1 | 11/17/09 13:30 |
| Dibenz (a,h) anthracene | <0.0140 | | mg/kg wet | 9112389 | 9112389-BLK1 | 11/17/09 13:30 |
| Fluoranthene | <0.0140 | | mg/kg wet | 9112389 | 9112389-BLK1 | 11/17/09 13:30 |
| Fluorene | <0.0130 | | mg/kg wet | 9112389 | 9112389-BLK1 | 11/17/09 13:30 |
| Indeno (1,2,3-cd) pyrene | <0.0120 | | mg/kg wet | 9112389 | 9112389-BLK1 | 11/17/09 13:30 |
| Naphthalene | <0.0200 | | mg/kg wet | 9112389 | 9112389-BLK1 | 11/17/09 13:30 |
| Phenanthrene | <0.0130 | | mg/kg wet | 9112389 | 9112389-BLK1 | 11/17/09 13:30 |
| Pyrene | <0.0120 | | mg/kg wet | 9112389 | 9112389-BLK1 | 11/17/09 13:30 |
| 1-Methylnaphthalene | <0.0170 | | mg/kg wet | 9112389 | 9112389-BLK1 | 11/17/09 13:30 |
| 2-Methylnaphthalene | <0.0180 | | mg/kg wet | 9112389 | 9112389-BLK1 | 11/17/09 13:30 |
| Surrogate: Terphenyl-d14 | 78% | | | 9112389 | 9112389-BLK1 | 11/17/09 13:30 |
| Surrogate: 2-Fluorobiphenyl | 60% | | | 9112389 | 9112389-BLK1 | 11/17/09 13:30 |
| Surrogate: Nitrobenzene-d5 | 54% | | | 9112389 | 9112389-BLK1 | 11/17/09 13:30 |

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

Work Order: NSK1299
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 11/13/09 08:00

PROJECT QUALITY CONTROL DATA

Duplicate

| Analyte | Orig. Val. | Duplicate | Q | Units | RPD | Limit | Batch | Sample Duplicated | % Rec. | Analyzed Date/Time |
|-------------------------------------|------------|-----------|---|-------|-----|-------|---------|-------------------|--------|--------------------|
| General Chemistry Parameters | | | | | | | | | | |
| 9114131-DUP1 | | | | | | | | | | |
| % Dry Solids | 95.8 | 95.0 | | % | 0.8 | 20 | 9114131 | NSK1299-01 | | 11/25/09 09:32 |

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

Work Order: NSK1299
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 11/13/09 08:00

PROJECT QUALITY CONTROL DATA

LCS

| Analyte | Known Val. | Analyzed Val | Q | Units | % Rec. | Target Range | Batch | Analyzed Date/Time |
|--|------------|--------------|---|-------|--------|--------------|---------|--------------------|
| Selected Volatile Organic Compounds by EPA Method 8260B | | | | | | | | |
| 9114172-BS1 | | | | | | | | |
| Benzene | 50.0 | 47.3 | | ug/kg | 95% | 78 - 126 | 9114172 | 11/23/09 14:07 |
| Ethylbenzene | 50.0 | 48.9 | | ug/kg | 98% | 79 - 130 | 9114172 | 11/23/09 14:07 |
| Naphthalene | 50.0 | 55.9 | | ug/kg | 112% | 72 - 150 | 9114172 | 11/23/09 14:07 |
| Toluene | 50.0 | 48.7 | | ug/kg | 97% | 76 - 126 | 9114172 | 11/23/09 14:07 |
| Xylenes, total | 150 | 139 | | ug/kg | 93% | 80 - 130 | 9114172 | 11/23/09 14:07 |
| Surrogate: 1,2-Dichloroethane-d4 | 50.0 | 47.2 | | | 94% | 67 - 138 | 9114172 | 11/23/09 14:07 |
| Surrogate: Dibromofluoromethane | 50.0 | 47.3 | | | 95% | 75 - 125 | 9114172 | 11/23/09 14:07 |
| Surrogate: Toluene-d8 | 50.0 | 47.2 | | | 94% | 76 - 129 | 9114172 | 11/23/09 14:07 |
| Surrogate: 4-Bromofluorobenzene | 50.0 | 44.6 | | | 89% | 67 - 147 | 9114172 | 11/23/09 14:07 |

Polyaromatic Hydrocarbons by EPA 8270D

9112389-BS1

| | | | | | | | | |
|-----------------------------|------|-------|--|-----------|-----|----------|---------|----------------|
| Acenaphthene | 1.67 | 0.995 | | mg/kg wet | 60% | 49 - 120 | 9112389 | 11/17/09 13:52 |
| Acenaphthylene | 1.67 | 0.984 | | mg/kg wet | 59% | 52 - 120 | 9112389 | 11/17/09 13:52 |
| Anthracene | 1.67 | 1.20 | | mg/kg wet | 72% | 58 - 120 | 9112389 | 11/17/09 13:52 |
| Benzo (a) anthracene | 1.67 | 1.09 | | mg/kg wet | 66% | 57 - 120 | 9112389 | 11/17/09 13:52 |
| Benzo (a) pyrene | 1.67 | 1.11 | | mg/kg wet | 67% | 55 - 120 | 9112389 | 11/17/09 13:52 |
| Benzo (b) fluoranthene | 1.67 | 1.04 | | mg/kg wet | 62% | 51 - 123 | 9112389 | 11/17/09 13:52 |
| Benzo (g,h,i) perylene | 1.67 | 1.10 | | mg/kg wet | 66% | 49 - 121 | 9112389 | 11/17/09 13:52 |
| Benzo (k) fluoranthene | 1.67 | 1.07 | | mg/kg wet | 64% | 42 - 129 | 9112389 | 11/17/09 13:52 |
| Chrysene | 1.67 | 1.08 | | mg/kg wet | 65% | 55 - 120 | 9112389 | 11/17/09 13:52 |
| Dibenz (a,h) anthracene | 1.67 | 1.10 | | mg/kg wet | 66% | 50 - 123 | 9112389 | 11/17/09 13:52 |
| Fluoranthene | 1.67 | 1.13 | | mg/kg wet | 68% | 58 - 120 | 9112389 | 11/17/09 13:52 |
| Fluorene | 1.67 | 1.07 | | mg/kg wet | 64% | 54 - 120 | 9112389 | 11/17/09 13:52 |
| Indeno (1,2,3-cd) pyrene | 1.67 | 1.14 | | mg/kg wet | 69% | 50 - 122 | 9112389 | 11/17/09 13:52 |
| Naphthalene | 1.67 | 0.851 | | mg/kg wet | 51% | 28 - 120 | 9112389 | 11/17/09 13:52 |
| Phenanthrene | 1.67 | 1.07 | | mg/kg wet | 64% | 56 - 120 | 9112389 | 11/17/09 13:52 |
| Pyrene | 1.67 | 1.06 | | mg/kg wet | 63% | 56 - 120 | 9112389 | 11/17/09 13:52 |
| 1-Methylnaphthalene | 1.67 | 0.853 | | mg/kg wet | 51% | 36 - 120 | 9112389 | 11/17/09 13:52 |
| 2-Methylnaphthalene | 1.67 | 0.907 | | mg/kg wet | 54% | 36 - 120 | 9112389 | 11/17/09 13:52 |
| Surrogate: Terphenyl-d14 | 1.67 | 0.996 | | | 60% | 18 - 120 | 9112389 | 11/17/09 13:52 |
| Surrogate: 2-Fluorobiphenyl | 1.67 | 0.850 | | | 51% | 14 - 120 | 9112389 | 11/17/09 13:52 |
| Surrogate: Nitrobenzene-d5 | 1.67 | 0.704 | | | 42% | 17 - 120 | 9112389 | 11/17/09 13:52 |

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

Work Order: NSK1299
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 11/13/09 08:00

PROJECT QUALITY CONTROL DATA

LCS Dup

| Analyte | Orig. Val. | Duplicate | Q | Units | Spike Conc | % Rec. | Target Range | RPD | Limit | Batch | Sample Duplicated | Analyzed Date/Time |
|--|------------|-----------|---|-------|------------|--------|--------------|-----|-------|---------|-------------------|--------------------|
| Selected Volatile Organic Compounds by EPA Method 8260B | | | | | | | | | | | | |
| 9114172-BSD1 | | | | | | | | | | | | |
| Benzene | | 47.1 | | ug/kg | 50.0 | 94% | 78 - 126 | 0.3 | 50 | 9114172 | | 11/23/09 14:38 |
| Ethylbenzene | | 48.1 | | ug/kg | 50.0 | 96% | 79 - 130 | 2 | 50 | 9114172 | | 11/23/09 14:38 |
| Naphthalene | | 53.5 | | ug/kg | 50.0 | 107% | 72 - 150 | 4 | 50 | 9114172 | | 11/23/09 14:38 |
| Toluene | | 48.4 | | ug/kg | 50.0 | 97% | 76 - 126 | 0.7 | 50 | 9114172 | | 11/23/09 14:38 |
| Xylenes, total | | 136 | | ug/kg | 150 | 90% | 80 - 130 | 2 | 50 | 9114172 | | 11/23/09 14:38 |
| Surrogate: 1,2-Dichloroethane-d4 | | 46.9 | | ug/kg | 50.0 | 94% | 67 - 138 | | | 9114172 | | 11/23/09 14:38 |
| Surrogate: Dibromofluoromethane | | 47.9 | | ug/kg | 50.0 | 96% | 75 - 125 | | | 9114172 | | 11/23/09 14:38 |
| Surrogate: Toluene-d8 | | 46.7 | | ug/kg | 50.0 | 93% | 76 - 129 | | | 9114172 | | 11/23/09 14:38 |
| Surrogate: 4-Bromofluorobenzene | | 44.9 | | ug/kg | 50.0 | 90% | 67 - 147 | | | 9114172 | | 11/23/09 14:38 |

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

Work Order: NSK1299
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 11/13/09 08:00

PROJECT QUALITY CONTROL DATA

Matrix Spike

| Analyte | Orig. Val. | MS Val | Q | Units | Spike Conc | % Rec. | Target Range | Batch | Sample Spiked | Analyzed Date/Time |
|--|------------|--------|---|-----------|------------|--------|--------------|---------|-------------------|--------------------|
| Selected Volatile Organic Compounds by EPA Method 8260B | | | | | | | | | | |
| 9114172-MS1 | | | | | | | | | | |
| Benzene | ND | 43.2 | | ug/kg | 50.0 | 86% | 42 - 141 | 9114172 | NSK1441-01RE 2 | 11/23/09 23:29 |
| Ethylbenzene | ND | 45.9 | | ug/kg | 50.0 | 92% | 21 - 165 | 9114172 | NSK1441-01RE 2 | 11/23/09 23:29 |
| Naphthalene | ND | 31.0 | | ug/kg | 50.0 | 62% | 10 - 160 | 9114172 | NSK1441-01RE 2 | 11/23/09 23:29 |
| Toluene | ND | 45.8 | | ug/kg | 50.0 | 92% | 45 - 145 | 9114172 | NSK1441-01RE 2 | 11/23/09 23:29 |
| Xylenes, total | ND | 128 | | ug/kg | 150 | 86% | 31 - 159 | 9114172 | NSK1441-01RE 2 | 11/23/09 23:29 |
| Surrogate: 1,2-Dichloroethane-d4 | | 41.2 | | ug/kg | 50.0 | 82% | 67 - 138 | 9114172 | NSK1441-01RE 2 | 11/23/09 23:29 |
| Surrogate: Dibromofluoromethane | | 46.9 | | ug/kg | 50.0 | 94% | 75 - 125 | 9114172 | NSK1441-01RE 2 | 11/23/09 23:29 |
| Surrogate: Toluene-d8 | | 48.3 | | ug/kg | 50.0 | 97% | 76 - 129 | 9114172 | NSK1441-01RE 2 | 11/23/09 23:29 |
| Surrogate: 4-Bromofluorobenzene | | 46.7 | | ug/kg | 50.0 | 93% | 67 - 147 | 9114172 | NSK1441-01RE 2 | 11/23/09 23:29 |
| Polyaromatic Hydrocarbons by EPA 8270D | | | | | | | | | | |
| 9112389-MS1 | | | | | | | | | | |
| Acenaphthene | ND | 0.859 | | mg/kg dry | 1.73 | 50% | 42 - 120 | 9112389 | NSK1299-03 | 11/17/09 14:15 |
| Acenaphthylene | ND | 0.882 | | mg/kg dry | 1.73 | 51% | 32 - 120 | 9112389 | NSK1299-03 | 11/17/09 14:15 |
| Anthracene | ND | 1.03 | | mg/kg dry | 1.73 | 59% | 10 - 200 | 9112389 | NSK1299-03 | 11/17/09 14:15 |
| Benzo (a) anthracene | ND | 0.978 | | mg/kg dry | 1.73 | 57% | 41 - 120 | 9112389 | NSK1299-03 | 11/17/09 14:15 |
| Benzo (a) pyrene | ND | 0.960 | | mg/kg dry | 1.73 | 56% | 33 - 121 | 9112389 | NSK1299-03 | 11/17/09 14:15 |
| Benzo (b) fluoranthene | ND | 0.887 | | mg/kg dry | 1.73 | 51% | 26 - 137 | 9112389 | NSK1299-03 | 11/17/09 14:15 |
| Benzo (g,h,i) perylene | ND | 0.938 | | mg/kg dry | 1.73 | 54% | 21 - 124 | 9112389 | NSK1299-03 | 11/17/09 14:15 |
| Benzo (k) fluoranthene | ND | 0.978 | | mg/kg dry | 1.73 | 57% | 14 - 140 | 9112389 | NSK1299-03 | 11/17/09 14:15 |
| Chrysene | ND | 0.958 | | mg/kg dry | 1.73 | 55% | 28 - 123 | 9112389 | NSK1299-03 | 11/17/09 14:15 |
| Dibenz (a,h) anthracene | ND | 0.950 | | mg/kg dry | 1.73 | 55% | 25 - 127 | 9112389 | NSK1299-03 | 11/17/09 14:15 |
| Fluoranthene | ND | 0.986 | | mg/kg dry | 1.73 | 57% | 38 - 120 | 9112389 | NSK1299-03 | 11/17/09 14:15 |
| Fluorene | ND | 0.955 | | mg/kg dry | 1.73 | 55% | 41 - 120 | 9112389 | NSK1299-03 | 11/17/09 14:15 |
| Indeno (1,2,3-cd) pyrene | ND | 0.973 | | mg/kg dry | 1.73 | 56% | 25 - 123 | 9112389 | NSK1299-03 | 11/17/09 14:15 |
| Naphthalene | ND | 0.769 | | mg/kg dry | 1.73 | 44% | 25 - 120 | 9112389 | NSK1299-03 | 11/17/09 14:15 |
| Phenanthrene | ND | 0.934 | | mg/kg dry | 1.73 | 54% | 37 - 120 | 9112389 | NSK1299-03 | 11/17/09 14:15 |
| Pyrene | ND | 0.938 | | mg/kg dry | 1.73 | 54% | 29 - 125 | 9112389 | NSK1299-03 | 11/17/09 14:15 |
| 1-Methylnaphthalene | ND | 0.764 | | mg/kg dry | 1.73 | 44% | 19 - 120 | 9112389 | NSK1299-03 | 11/17/09 14:15 |
| 2-Methylnaphthalene | ND | 0.824 | | mg/kg dry | 1.73 | 48% | 11 - 120 | 9112389 | NSK1299-03 | 11/17/09 14:15 |
| Surrogate: Terphenyl-d14 | | 0.886 | | mg/kg dry | 1.73 | 51% | 18 - 120 | 9112389 | NSK1299-03 | 11/17/09 14:15 |
| Surrogate: 2-Fluorobiphenyl | | 0.787 | | mg/kg dry | 1.73 | 46% | 14 - 120 | 9112389 | NSK1299-03 | 11/17/09 14:15 |
| Surrogate: Nitrobenzene-d5 | | 0.669 | | mg/kg dry | 1.73 | 39% | 17 - 120 | 9112389 | NSK1299-03 | 11/17/09 14:15 |

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

Work Order: NSK1299
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 11/13/09 08:00

PROJECT QUALITY CONTROL DATA

Matrix Spike - Cont.

| Analyte | Orig. Val. | MS Val | Q | Units | Spike Conc | % Rec. | Target Range | Batch | Sample Spiked | Analyzed Date/Time |
|---------|------------|--------|---|-------|------------|--------|--------------|-------|---------------|--------------------|
|---------|------------|--------|---|-------|------------|--------|--------------|-------|---------------|--------------------|

Polyaromatic Hydrocarbons by EPA 8270D

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

Work Order: NSK1299
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 11/13/09 08:00

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 |
|--|------------|-----------|---|-----------|------------|--------|--------------|-----|-------|---------|-------------------|--------------------|
| Selected Volatile Organic Compounds by EPA Method 8260B | | | | | | | | | | | | |
| 9114172-MSD1 | | | | | | | | | | | | |
| Benzene | ND | 43.8 | | ug/kg | 50.0 | 88% | 42 - 141 | 1 | 50 | 9114172 | NSK1441-01RE 2 | 11/24/09 00:00 |
| Ethylbenzene | ND | 45.4 | | ug/kg | 50.0 | 91% | 21 - 165 | 1 | 50 | 9114172 | NSK1441-01RE 2 | 11/24/09 00:00 |
| Naphthalene | ND | 37.2 | | ug/kg | 50.0 | 74% | 10 - 160 | 18 | 50 | 9114172 | NSK1441-01RE 2 | 11/24/09 00:00 |
| Toluene | ND | 45.5 | | ug/kg | 50.0 | 91% | 45 - 145 | 0.7 | 50 | 9114172 | NSK1441-01RE 2 | 11/24/09 00:00 |
| Xylenes, total | ND | 128 | | ug/kg | 150 | 85% | 31 - 159 | 0.6 | 50 | 9114172 | NSK1441-01RE 2 | 11/24/09 00:00 |
| Surrogate: 1,2-Dichloroethane-d4 | | 44.9 | | ug/kg | 50.0 | 90% | 67 - 138 | | | 9114172 | NSK1441-01RE 2 | 11/24/09 00:00 |
| Surrogate: Dibromofluoromethane | | 47.0 | | ug/kg | 50.0 | 94% | 75 - 125 | | | 9114172 | NSK1441-01RE 2 | 11/24/09 00:00 |
| Surrogate: Toluene-d8 | | 47.1 | | ug/kg | 50.0 | 94% | 76 - 129 | | | 9114172 | NSK1441-01RE 2 | 11/24/09 00:00 |
| Surrogate: 4-Bromofluorobenzene | | 45.9 | | ug/kg | 50.0 | 92% | 67 - 147 | | | 9114172 | NSK1441-01RE 2 | 11/24/09 00:00 |
| Polyaromatic Hydrocarbons by EPA 8270D | | | | | | | | | | | | |
| 9112389-MSD1 | | | | | | | | | | | | |
| Acenaphthene | ND | 1.00 | | mg/kg dry | 1.75 | 57% | 42 - 120 | 16 | 40 | 9112389 | NSK1299-03 | 11/17/09 15:22 |
| Acenaphthylene | ND | 0.995 | | mg/kg dry | 1.75 | 57% | 32 - 120 | 12 | 30 | 9112389 | NSK1299-03 | 11/17/09 15:22 |
| Anthracene | ND | 1.17 | | mg/kg dry | 1.75 | 67% | 10 - 200 | 13 | 50 | 9112389 | NSK1299-03 | 11/17/09 15:22 |
| Benzo (a) anthracene | ND | 1.10 | | mg/kg dry | 1.75 | 63% | 41 - 120 | 12 | 30 | 9112389 | NSK1299-03 | 11/17/09 15:22 |
| Benzo (a) pyrene | ND | 1.07 | | mg/kg dry | 1.75 | 61% | 33 - 121 | 11 | 33 | 9112389 | NSK1299-03 | 11/17/09 15:22 |
| Benzo (b) fluoranthene | ND | 0.989 | | mg/kg dry | 1.75 | 56% | 26 - 137 | 11 | 42 | 9112389 | NSK1299-03 | 11/17/09 15:22 |
| Benzo (g,h,i) perylene | ND | 1.07 | | mg/kg dry | 1.75 | 61% | 21 - 124 | 13 | 32 | 9112389 | NSK1299-03 | 11/17/09 15:22 |
| Benzo (k) fluoranthene | ND | 1.12 | | mg/kg dry | 1.75 | 64% | 14 - 140 | 14 | 39 | 9112389 | NSK1299-03 | 11/17/09 15:22 |
| Chrysene | ND | 1.09 | | mg/kg dry | 1.75 | 62% | 28 - 123 | 12 | 34 | 9112389 | NSK1299-03 | 11/17/09 15:22 |
| Dibenz (a,h) anthracene | ND | 1.07 | | mg/kg dry | 1.75 | 61% | 25 - 127 | 12 | 31 | 9112389 | NSK1299-03 | 11/17/09 15:22 |
| Fluoranthene | ND | 1.10 | | mg/kg dry | 1.75 | 63% | 38 - 120 | 11 | 35 | 9112389 | NSK1299-03 | 11/17/09 15:22 |
| Fluorene | ND | 1.09 | | mg/kg dry | 1.75 | 62% | 41 - 120 | 13 | 37 | 9112389 | NSK1299-03 | 11/17/09 15:22 |
| Indeno (1,2,3-cd) pyrene | ND | 1.12 | | mg/kg dry | 1.75 | 64% | 25 - 123 | 14 | 32 | 9112389 | NSK1299-03 | 11/17/09 15:22 |
| Naphthalene | ND | 0.896 | | mg/kg dry | 1.75 | 51% | 25 - 120 | 15 | 42 | 9112389 | NSK1299-03 | 11/17/09 15:22 |
| Phenanthrene | ND | 1.05 | | mg/kg dry | 1.75 | 60% | 37 - 120 | 12 | 32 | 9112389 | NSK1299-03 | 11/17/09 15:22 |
| Pyrene | ND | 1.05 | | mg/kg dry | 1.75 | 60% | 29 - 125 | 12 | 40 | 9112389 | NSK1299-03 | 11/17/09 15:22 |
| 1-Methylnaphthalene | ND | 0.874 | | mg/kg dry | 1.75 | 50% | 19 - 120 | 13 | 45 | 9112389 | NSK1299-03 | 11/17/09 15:22 |
| 2-Methylnaphthalene | ND | 0.946 | | mg/kg dry | 1.75 | 54% | 11 - 120 | 14 | 50 | 9112389 | NSK1299-03 | 11/17/09 15:22 |
| Surrogate: Terphenyl-d14 | | 0.988 | | mg/kg dry | 1.75 | 56% | 18 - 120 | | | 9112389 | NSK1299-03 | 11/17/09 15:22 |
| Surrogate: 2-Fluorobiphenyl | | 0.877 | | mg/kg dry | 1.75 | 50% | 14 - 120 | | | 9112389 | NSK1299-03 | 11/17/09 15:22 |
| Surrogate: Nitrobenzene-d5 | | 0.751 | | mg/kg dry | 1.75 | 43% | 17 - 120 | | | 9112389 | NSK1299-03 | 11/17/09 15:22 |

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

Work Order: NSK1299
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 11/13/09 08:00

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

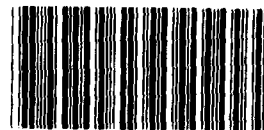
Work Order: NSK1299
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 11/13/09 08:00

DATA QUALIFIERS AND DEFINITIONS

ND Not detected at the reporting limit (or method detection limit if shown)

METHOD MODIFICATION NOTES

COOLER RECEIPT



Cooler Received/Opened On 11/13/2009 @ 0800

MSK1299

1. Tracking # 4330 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 97460373

2. Temperature of rep. sample or temp blank when opened: 1.7 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?

If yes, how many and where: 1 (front) 1 (back)

5. Were the seals intact, signed, and dated correctly?

6. Were custody papers inside cooler?

I certify that I opened the cooler and answered questions 1-6 (initial) [Signature]

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

Were these signed and dated correctly?

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)?

11. Were all container labels complete (#, date, signed, pres., etc)?

12. Did all container labels and tags agree with custody papers?

13a. Were VOA vials received?

b. Was there any observable headspace present in any VOA vial?

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 (initial) [Signature]

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

16. Was residual chlorine present?

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) [Signature]

17. Were custody papers properly filled out (ink, signed, etc)?

18. Did you sign the custody papers in the appropriate place?

19. Were correct containers used for the analysis requested?

20. Was sufficient amount of sample sent in each container?

I certify that I entered this project into LIMS and answered questions 17-20 (initial) [Signature]

I certify that I attached a label with the unique LIMS number to each container (initial) [Signature]

21. Were there Non-Conformance issues at login? YES NO Was a PIPE generated? YES NO #

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

NSK1299
11/30/09 23 59

Client Name/Account #: EEG # 2449

Address: 10179 Highway 78

City/State/Zip: Ladson, SC 29456

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

Telephone Number: 843.412.2097

Sampler Name: (Print) *Pat H Shaw*

Sampler Signature: *[Signature]*

Fax No.: (843) - 879-0401

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 ☐

Site State: SC

PO#: 0829

TA Quote #:

Project ID: Laurel Bay Housing Project

Project #:

| Sample ID / Description | Date Sampled | Time Sampled | No. of Containers Shipped | Grab | Composite | Field Filtered | Preservative | | | | | | Matrix | | | | | | Analyze For: | | | | | | | | | | RUSH TAT (Pre-Schedule) |
|-------------------------|--------------|--------------|---------------------------|------|-----------|----------------|--------------|------------------------------|------------------|---------------------|---|---|--------------------|-----------------|-------------|------------|----------------|--------|--------------|-----------------|----------------------|-------------|--|--|--|--|--|--|-------------------------|
| | | | | | | | Ice | HNO ₃ (Red Label) | HCL (Blue Label) | NaOH (Orange Label) | H ₂ SO ₄ Plastic (Yellow Label) | H ₂ SO ₄ Glass (Yellow Label) | None (Black Label) | Other (Specify) | Groundwater | Wastewater | Drinking Water | Sludge | Soil | Other (Specify) | BTEX + Napth - 82608 | PAH - 8270D | | | | | | | |
| 413 Elderberry | 11/9/09 | 0945 | 5 | X | | | | | 2 | | | | 21 | | | | | | X | | 3 | 2 | | | | | | | |
| 417 Elderberry | 11/9/09 | 1135 | 5 | X | | | | | 2 | | | | 21 | | | | | | X | | 3 | 2 | | | | | | | |
| 419 Elderberry | 11/9/09 | 1515 | 5 | Y | | | | | 2 | | | | 21 | | | | | | X | | 3 | 2 | | | | | | | |

Special Instructions:

Method of Shipment:

FEDEX

| | | | | | |
|-------------------------------------|----------------|------------|---------------------------------|----------------|------------|
| Relinquished by: <i>[Signature]</i> | Date: 11/13/09 | Time: 1900 | Received by: <i>[Signature]</i> | Date: 11/13/09 | Time: 8:00 |
| Relinquished by: | Date: | Time: | Received by TestAmerica: | Date: | Time: |

Laboratory Comments:

Temperature Upon Receipt:
VOCs Free of Headspace?

Y

ATTACHMENT A



NON-HAZARDOUS MANIFEST

CWM

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

| NON-HAZARDOUS MANIFEST | | 1. Generator's US EPA ID No. | | Manifest Document No. | | 2. Page 1 of 1 | | | | | | | | | | | | | |
|--|--|------------------------------|--|--|--|--|--|-----------------------------------|--|-------------------|--|----------------------------------|--|--|--|-----------------------------------|--|--|--|
| 3. Generator's Name and Mailing Address MCAS, Beaufort Laurel Bay Housing Beaufort SC 29904 | | | | A. Manifest Number WMNA 10885454 | | | | | | | | | | | | | | | |
| 4. Generator's Phone 843 228-6400 | | | | B. State Generator's ID | | | | | | | | | | | | | | | |
| 5. Transporter 1 Company Name EEG, Inc. | | 6. US EPA ID Number | | C. State Transporter's ID | | D. Transporter's Phone 843 879-0411 | | | | | | | | | | | | | |
| 7. Transporter 2 Company Name | | 8. US EPA ID Number | | E. State Transporter's ID | | F. Transporter's Phone | | | | | | | | | | | | | |
| 9. Designated Facility Name and Site Address HICKORY HILL LANDFILL ROUTE 1, BOX 121 RIDGELAND SC 29936 | | 10. US EPA ID Number | | G. State Facility's ID | | H. Facility's Phone 843 987-4643 | | | | | | | | | | | | | |
| 11. Description of Waste Materials | | | | 12. Containers No. Type | | 13. Total Quantity | | 14. Unit Wt/Vol | | I. Misc. Comments | | | | | | | | | |
| a. Heating Oil Tank filled with Sand | | | | WM Profile # 102655SC | | 0 0 1 | | 9 66 | | | | | | | | | | | |
| b. | | | | WM Profile # | | | | | | | | | | | | | | | |
| c. | | | | WM Profile # | | | | | | | | | | | | | | | |
| d. | | | | WM Profile # | | | | | | | | | | | | | | | |
| J. Additional Descriptions for Materials Listed Above Landfill _____ Solidification _____ Bio Remediation _____ | | | | | | K. Disposal Location Cell _____ Level _____ Grid _____ | | | | | | | | | | | | | |
| 15. Special Handling Instructions and Additional Information GEM UST's FROM: 1 483 LAUREL BAY BLVD. Purchase Order # 2 481 LAUREL BAY BLVD. | | | | | | 3 405 ELDERBERRY 4 413 ELDERBERRY 5 419 ELDERBERRY 6 419 ELDERBERRY EMERGENCY CONTACT: | | | | | | | | | | | | | |
| 16. GENERATOR'S CERTIFICATION: I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations. | | | | | | | | | | | | | | | | | | | |
| Printed/Typed Name W.B. JONES | | | | Signature "On behalf of" [Signature] | | | | Month Day Year 11/10/09 | | | | | | | | | | | |
| 17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Joseph Weston | | | | Signature Joseph Weston | | | | Month Day Year 11/10/09 | | | | | | | | | | | |
| 18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name | | | | Signature | | | | Month Day Year | | | | | | | | | | | |
| 19. Certificate of Final Treatment/Disposal I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above. | | | | | | | | | | | | | | | | | | | |
| 20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest. Printed/Typed Name Toni Cofield | | | | | | | | | | | | Signature Toni Cofield | | | | Month Day Year 11/10/09 | | | |

Appendix C

Regulatory Correspondence

BOARD:
Paul C. Aughtry, III
Chairman
Edwin H. Cooper, III
Vice Chairman
Steven G. Kisner
Secretary



C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment

BOARD:
Henry C. Scott
M. David Mitchell, MD
Glenn A. McCall
Coleman E. Buckhouse, MD

Bureau of Land and Waste Management
Division of Waste Management

September 9, 2010

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

RE: **No Further Action**
Laurel Bay Underground Storage Tank Assessment Report for:

- 413 Elderberry
- 534 Laurel Bay
- 417 Elderberry
- 419 Elderberry

Dear Mr. Drawdy,

The South Carolina Department of Health and Environmental Control (the Department) received the above referenced Underground Storage Tanks (USTs) Assessment Report on February 17, 2010 for the addresses listed above.

The Department has reviewed the referenced assessment report along with the additional information submitted and agrees there is no indication of soil or groundwater contamination on this property, and therefore no further investigation is required at this time.

Please note that the Department's decision is based on information provided by the Marine Corp 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 picketcn@dhec.sc.gov or 803-896-4131.

Sincerely,

Christi Pickett
Corrective Action Engineering Section
Bureau of Land and Waste Management
South Carolina Department of Health and Environmental Control

cc: Laurel Rhoten (via email)
Craig Ehde (via email)