

SUMMARY REPORT
110 BIRCH DRIVE (FORMERLY 112 BIRCH DRIVE)
LAUREL BAY MILITARY HOUSING AREA
MARINE CORPS AIR STATION BEAUFORT
BEAUFORT, SC

Revision: 0
Prepared for:

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

and



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

JUNE 2021

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Prepared by:



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

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

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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 110 Birch Drive (Formerly 112 Birch 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 110 Birch Drive (Formerly 112 Birch Drive). Details regarding the soil investigation at this site are provided in the *SCDHEC UST Assessment Report – 112 Birch Drive* (MCAS Beaufort, 2005). The UST Assessment Report is provided in Appendix B.

2.1 UST Removal and Soil Sampling

On June 13, 2005, a single 280 gallon heating oil UST was removed from the front landscaped bed area adjacent to the driveway at 110 Birch Drive (Formerly 112 Birch Drive). The former UST location is indicated on Figure 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 5'5" 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 two soil samples were collected from the side walls of the UST, 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 110 Birch Drive (Formerly 112 Birch 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 110 Birch Drive (Formerly 112 Birch Drive). This NFA determination was obtained in a letter dated November 7, 2005. SCDHEC's NFA letter is provided in Appendix C.

4.0 REFERENCES

Marine Corps Air Station Beaufort, 2005. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 112 Birch Drive, Laurel Bay Military Housing Area*, November 2005.

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
110 Birch Drive (Formerly 112 Birch Drive)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs ⁽¹⁾	Results Sample Collected 06/13/2005		
		112L	112R	112B
Volatile Organic Compounds Analyzed by EPA Method 8260B (mg/kg)				
Benzene	0.003	ND	ND	ND
Ethylbenzene	1.15	ND	ND	ND
Naphthalene	0.036	ND	ND	ND
Toluene	0.627	ND	ND	ND
Xylenes, Total	13.01	ND	ND	ND
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (mg/kg)				
Benzo(a)anthracene	0.66	ND	ND	ND
Benzo(b)fluoranthene	0.66	ND	ND	ND
Benzo(k)fluoranthene	0.66	ND	ND	ND
Chrysene	0.66	ND	ND	ND
Dibenz(a,h)anthracene	0.66	ND	ND	ND

Notes:

⁽¹⁾ South Carolina Risk-Based Screening Levels from the Quality Assurance Program Plan for the Underground Storage Tank Management Division, Revision 1.0 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

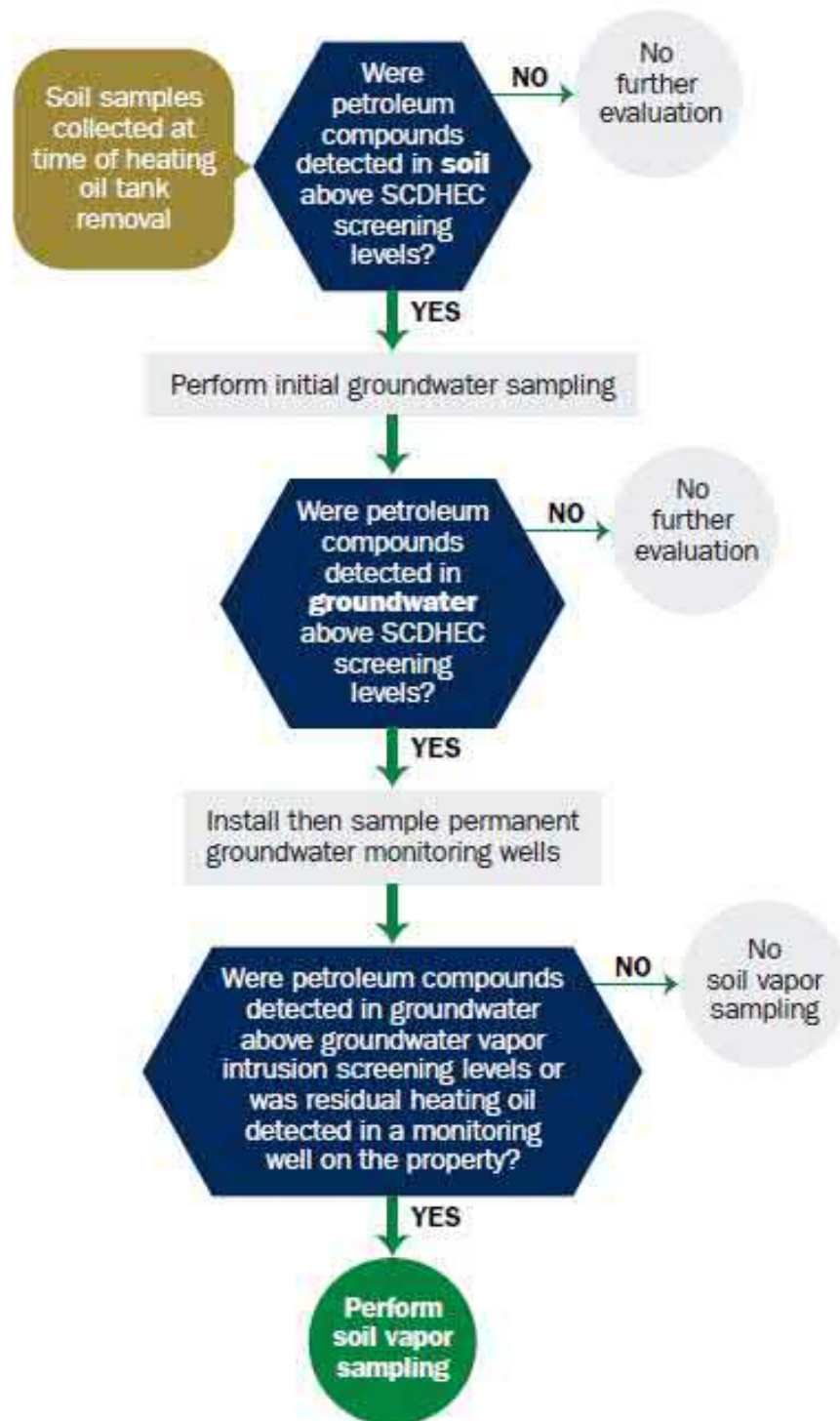
mg/kg - milligram per kilogram

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

FINAL
ASSESSMENT REPORT

LAUREL BAY HOUSING AREA, 112 BIRCH STREET
MARINE CORPS AIR STATION, BEAUFORT, SOUTH CAROLINA

Prepared for:

Actus Lend Lease LLC
P.O. Box 5160
Parris Island, SC 29905


Contract Number
50701040/02050105

Prepared By:
ADVENT Environmental, Inc.
498 Wando Park Blvd.
Suite 500
Mt. Pleasant SC 29464

RECEIVED
NOV 4 2005
Water Monitoring Assessment &
Protection Division



Brian R. Crawford, R.E.M.
Project Manager



Jeffrey C. Smoak, P.E.
Principal

OCTOBER 2005
ADVENT 05-512

Executive Summary

The initial Statement of Work was to remove two (2) Underground Storage Tanks (USTs) at 110 and 112 Birch Street in the Laurel Bay Housing Area at the Marine Corps Air Station (MCAS) in Beaufort, South Carolina. One (1) UST was removed from 110 Birch Street, and one (1) UST was removed from 112 Birch Street.

The tanks were excavated and removed using a JCB 214 backhoe. Residual fluid inside the USTs was vacuumed out prior to removal. Soils were screened using a photo-ionized detector (PID) during excavation. The tanks were triple-rinsed using a pressure washer. Rinse-water was contained in the decon-pad area.

Three (3) soil samples were collected from the excavation pit after each tank removal. Two (2) soil samples were collected from the east and west walls of the excavation, and one (1) sample was collected from the floor of the excavation. Soil samples were preserved on ice and submitted to Pace Analytical (NELAC #99006) for the analysis of BTEX, MTBE, naphthalene, and PAHs, as required by the South Carolina Department of Health and Environmental Control (SCDHEC) guidance document dated March 15, 2000.

Concentrations of total PAHs, BTEX, MTBE, and naphthalene were reported below detection limits (BDL) or below risk based screening levels (RBSLs) in two (2) soil samples collected from the 110 excavation. Concentrations of PAHs and naphthalene were reported above RBSLs in soil sample 110B. Soil sample 110B was collected from the base of excavation 110. Concentrations of total PAHs, BTEX, MTBE, and naphthalene were reported below detection limits (BDL) in all three (3) soil samples collected from the 112 excavation.

Two (2) USTs, impacted soils, and associated decontamination water were disposed of off site (see assessment report). Personal Protective Equipment (PPE), impacted soils, and other excavation debris were contained in one (1) roll-off dumpster provided by Global Environmental, Inc. Decontamination water was removed from the decon-pad area by the vacuum truck.

The excavations were backfilled with clean soil and compacted in two foot lift intervals. Each lift was compacted to greater than 95%, as demonstrated on the attached compaction test results.

South Carolina Department of Health and Environmental Control (S.C.D.H.E.C.)
Underground Storage Tank (UST) Assessment Report

Date Received

State Use Only

Submit Completed Form to:
UST Regulatory Section
SCDHEC
2600 Bull Street
Columbia, South Carolina
Telephone (803)896-6240

I. OWNERSHIP OF UST(S)

Marine Corps Air Station-Laurel Bay Housing

Owner Name (Corporation, Individual, Public Agency, Other)

Building 601 2nd floor Geiger Blvd.

Mailing Address

Beaufort

South Carolina

299904-5001

City

State

Zip Code

843

228-7317

Alice Howard

Area Code

Telephone Number

Contact Person

II. SITE IDENTIFICATION AND LOCATION

Heating Oil Tank (>500 gallon)

Site I.D. #

Laurel Bay Housing for MCAS

Facility Name or Company Site Identifier

112 Birch Steet (off of Highway 21).

Street Address or State Road (as applicable)

Beaufort

Beaufort

City

County

III. INSURANCE INFORMATION

Insurance Statement

The petroleum release reported to DHEC on NA at UST Permit # _____ 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 x (check one)

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

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

And

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

IV. CERTIFICATION (Read and sign after completing entire submittal.)

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

Date

To be completed by a Notary Public:

Sworn before me this _____ day of _____, 20____.

(Name)

Notary Public for the state of

Please affix State seal if you are commissioned outside South Carolina

V. UST INFORMATION

- 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.....

Tank 1	Tank 2	Tank 3	Tank 4	Tank 5	Tank 6
Heat oil					
280 gal					
>40					
steel					
NA					
4.0 ft					
No					
No					
Removal					
6-13-05					
no					
no					

M. Method of Disposal of any USTs removed from the ground (attach disposal manifest).

Tank was triple rinsed, destroyed and recycled at the Beaufort County Recycling Landfill

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

Water used to decontaminate the UST was temporarily stored and then vacuumed and properly disposed of. (see attached manifest)

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

No holes or pitting were found in tank 112 Birch Street.

VI. 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.....

Tank 1	Tank 2	Tank 3	Tank 4	Tank 5	Tank 6
Copper/steel					
NA					
1					
Suction					
Yes					
No					
No					
>40 yrs					

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

None observed _____

VII. BRIEF SITE DESCRIPTION AND HISTORY

Site was used for military housing for the MCAS. Tank was used as a heating oil tank for the adjacent dwelling which was built in the early 1950's. There are no records as to the date the tanks were taken out of commission.

VIII. 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 boring, 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>		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	

IX. SAMPLE INFORMATION

S.C.D.H.E.C. Lab Certification Number Pace Analytical Labs 99006

A. UST 112 was located within two feet of building 112. Soil samples were collected 13 June, 2005.

Sample #	Location	Sample Type (Soil/Water)	Depth*	Date/Time of Collection	Collected by	OVA Result
1 112L	Side wall of tank	Soil	~ 4.0 ft bls	6-13-05 1300	SCM	6.8ppm
2 112R	Side Wall of Tank	Soil	~ 4.0 ft bls	6-13-05 1315	SCM	2.6ppm
3 112B	Bottom of Tank	Soil	~ 5.5 ft bls	6-13-05 1330	SCM	6.2ppm
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

* = Depth Below the Surrounding Land Surface.

X. SAMPLING METHODOLOGY

Provide a detailed description of the methods used to collect and store (preserve) the samples. Please use the space provided below.

Soil Samples were collected using a hand auger. Samples were containerized in bottles with the appropriate preservatives provided by the laboratory. Once the sample was collected, it was put on ice and shipped to the laboratory to be analyzed for the targeted parameters.

XI. RECEPTORS

	Yes	No
<p>A. Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the UST system? See Site Map.</p>		X
<p>B. Are there any public, private, or irrigation water supply wells within 1000 feet of the UST system? If yes, indicate type of well, distance, and direction on the site map.</p>		X
<p>C. Are there any underground structures (e.g. basements) located within 100 feet of the UST system? If yes, indicate the type of structure, distance, and direction on the 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 contamination? 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? If yes, indicate the area of contaminated soil on the site map.</p>		X

SITE MAP
MARINE CORPS AIR STATION
110 and 112 BIRCH STREET, BEAUFORT, SOUTH
CAROLINA



Legend

- Bldgs
- Roads

Projection: Clarke 1866 UTM Zone 17N
 Map Scale: 1:1,700
 Created By: JWW 7-13-2005

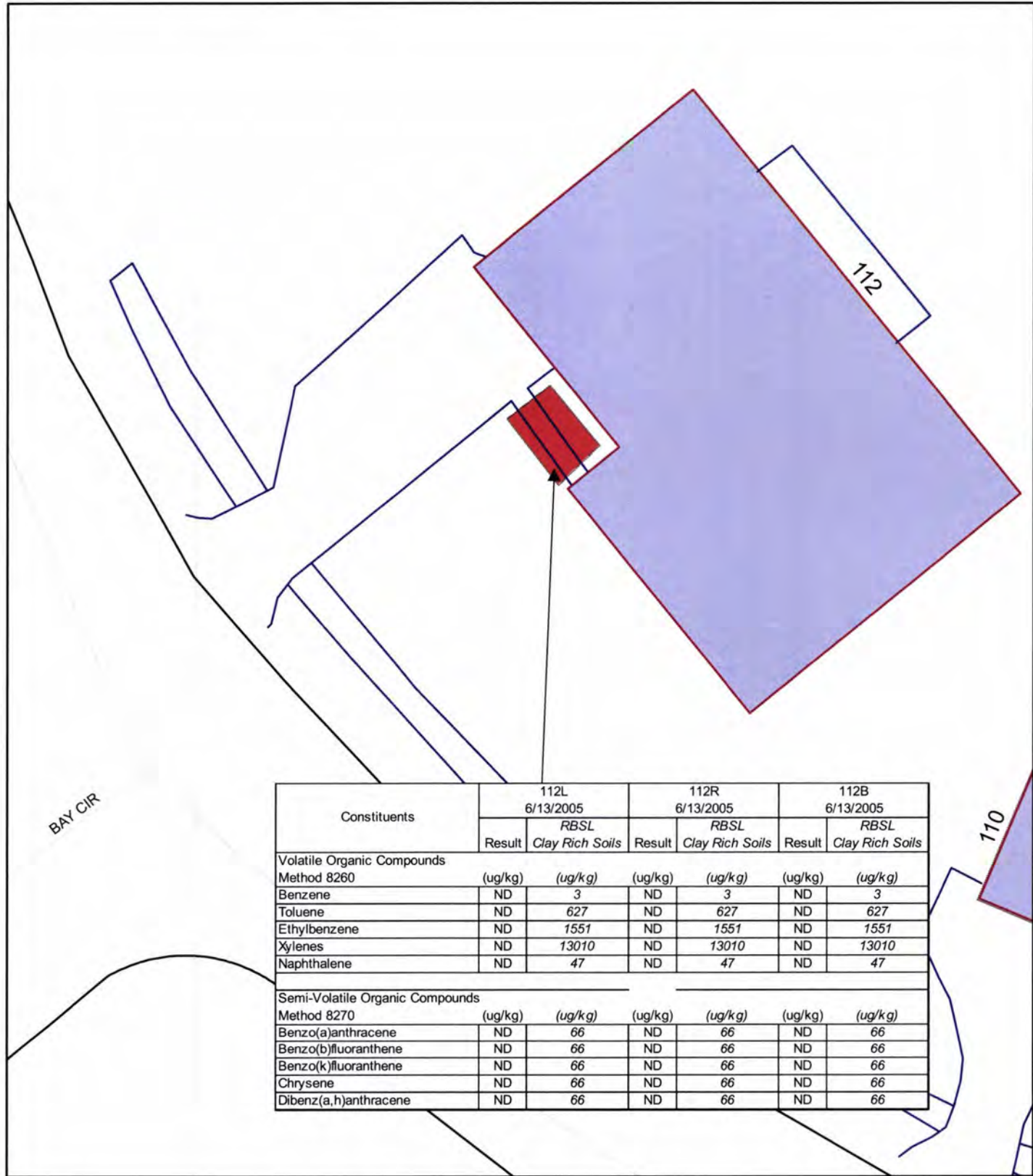


Feet



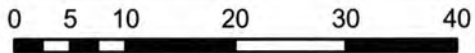
Figure-1
 Site Location Map
 Laurel Bay Housing Area
 MCAS Beaufort, SC





Legend

- UST
- Bldg
- Rds



Projection: NAD 1983 State Plane South Carolina Fips 3900ft
 Map Scale: 1:200
 Created by: JWW, 7-13-2005

Figure-3
CoC Concentrations
Birch Drive-112
Laurel Bay, South Carolina



**MANIFESTS FOR OILY WATER
DISPOSAL**

US Water Recovery

Project # 05-1111

Non-Hazardous Wastewater Manifest		Number: D-1077	
1. Generator's EPA ID# (if applicable):		Waste ID Number:	
2. Generator's Name and Mailing Address: Adebt Env/ Beaufort MCAS Beaufort SC		Phone () P O #:	
3. Agent of Generator and Mailing Address: Sani-Tech Environment, LLC 511 Old Mt. Holly Rd. Goose Creek, SC 29445		Phone (843) 797-0402 P O #:	
4. Transporter Company Name: Sani-Tech Environment, LLC 511 Old Mt. Holly Rd. Goose Creek, SC 29445		Phone (843) 797-0402	
Truck & Trailer License Number:			
5. Transporter U.S. EPA ID#:			
6. Facility Name and Site Address: U S Water Recovery 435 Old Mt. Holly Rd. Mt. Holly, SC 29446		Phone: (843) 797-8874 Fax: (843) 797-2128	Mailing Address: U S Water Recovery P O Box 70367 North Charleston, SC 29415 Phone: (843) 744-0118 Fax: (843) 744-0730
7. Facility U.S. EPA ID#:			
Start Level:	End Level:	Total Gallons:	Tank Number:
8. U.S. DOT Description			
	Container	Unit	Quantity
	No.	Type	
Non-Hazardous, non-regulated waste water	1	30-BS	200 GAL
Combined amount from 110 and 112 Birch Street, Laurel Bay			
9. Generator's Certification: I hereby declare that the contents of this consignment are not hazardous by definition or listing and are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and the laws of the State of South Carolina. I further certify that the contents of this consignment are as represented by the description contained on the Waste Profile Form previously submitted to and approved by the Designated Facility.			
Printed/Typed Name: Charles H. Herrera		Signature: <i>Charles H. Herrera</i>	Date: 6/13/05
10. Transporter Acknowledgement of Receipt of Materials			
Printed/Typed Name: Wendy Rose		Signature: <i>Wendy Rose</i>	Date: 6/13/05
11. Discrepancy Indication space:			
12. Facility Owner or Operator: Certification of Receipt of Materials			
Printed/Typed Name: Paul Goodsell		Signature: <i>Paul Goodsell</i>	Date: 6/14/05

White - Facility Yellow - Transporter Pink - Generator

**MANIFESTS FOR
CONTAMINATED SOILS**

06/15/2005

09:16

GLOBAL ENVIRONMENTAL ASSURANCE → 18432286349

NO. 926 D002

09/31/2004

16:12

GLOBAL

ENVIRONMENTAL ASSURANCE → 18433861891

NO. 484

D002

07/07/2004 11:49 FAX 18435533378



OAKRIDGE LANDFILL
WASTE MANAGEMENT COMPANY

SPECIAL WASTE MANIFEST

05-512

Approval # VB 3878
Expiration 06/25/05

Generator: MCAS BEAUFORT

Account Number: 490-395

Location/Address: HIGHWAY 21 S BEAUFORT SC (07)

Tel: Number 843-663-8916 ^{USE} Contact: W G DUKES JR

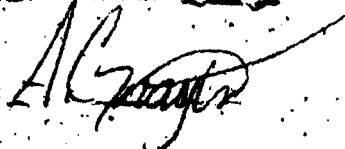
Generator Signature: 

15 June 2005

***** TO BE COMPLETED BY TRANSPORTER *****

Transporter of Waste: GLOBAL ENVIRO ASSURANCE Track: 003

Date: 6/15/05

Driver's Signature: 

***** TO BE COMPLETED BY OAKRIDGE LANDFILL *****

Disposal Site: Oakridge Landfill DWP 130

Description of Waste: SOLUST REMOVAL

Ticket Number: _____

Tonnage: _____

Received By: _____

Date: _____

2183 HWY 78. (POB 145), NORCHESTER, SC, 29437
TEL: 843-663-2607, FAX: 843-663-4758

**MANIFESTS FOR SCRAP
METAL DISPOSAL**



ADVENT Environmental Inc.
498 Wando Park Blvd.
Mt. Pleasant, SC 29464

(843) 388-1851 Phone
(843) 388-1891 Fax

Origination of recyclable materials:
110 and 112 Birch Street, Laurel Bay MCAS-Beaufort, South Carolina.

Disposal Location: Beaufort County Public Works
Solid Waste and Recycling Division
120 Shanklin Road
Beaufort, South Carolina 29906
(843) 470-6406-Phone

I certify that the above scrap metal equipment has been properly cleaned (triple rinsed).

Jones Weegy
PRINT (ADVENT REPRESENTATIVE)

[Signature]
SIGNATURE DATE

I certify that the above tanks have been accepted and will be recycled by the Beaufort County Solid Waste and Recycling Division.

MARY B. AUSTIN
PRINT (BCPW REPRESENTATIVE)

Mary B. Austin
SIGNATURE DATE

BCPW Contact information:
Gary Jones (843) 812-2052
Darrell Hylton (843) 812-3864

PROCTOR TESTING RESULTS

SOIL CONSULTANTS, INC.

DATE 6-14-05

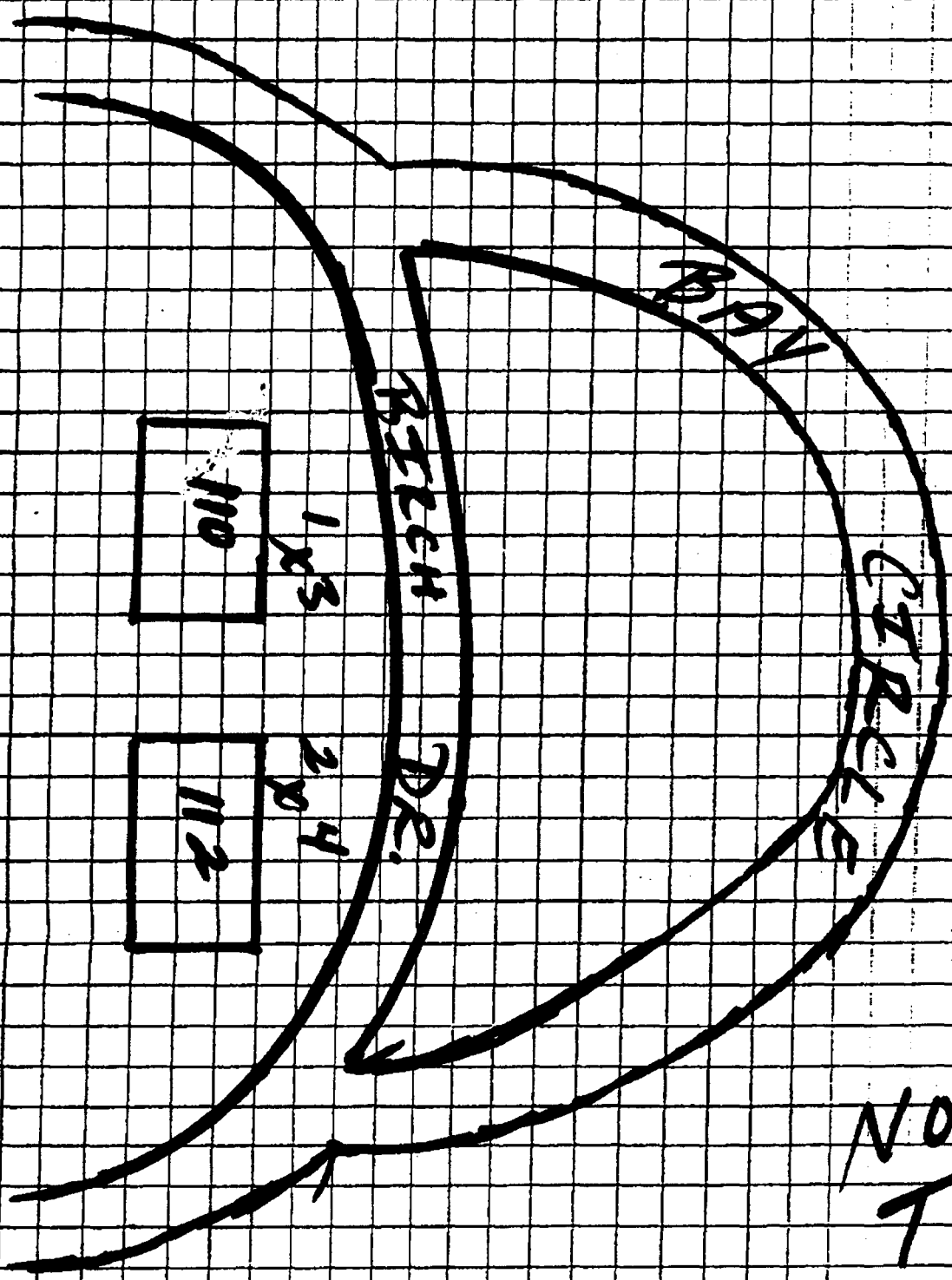
PROJECT OR JOB NO.

05-1412

FORM 8C

TITLE MCAB, Laurel Bay 110 & 112 Birch Dr.

INITIALS LS



NOT TO SCALE

1/4

ANALYTICAL RESULT SUMMARY PAGE

**Table 1: Summary of Soil Analytical Data
Housing 112 Birch Street MCAS Beaufort**

Soil Results

Constituents	112L 6/13/2005		112R 6/13/2005		112B 6/13/2005	
	Result	RBSL <i>Clay Rich Soils</i>	Result	RBSL <i>Clay Rich Soils</i>	Result	RBSL <i>Clay Rich Soils</i>
Volatile Organic Compounds						
Method 8260	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)
Benzene	ND	3	ND	3	ND	3
Toluene	ND	627	ND	627	ND	627
Ethylbenzene	ND	1551	ND	1551	ND	1551
Xylenes	ND	13010	ND	13010	ND	13010
Naphthalene	ND	47	ND	47	ND	47
Semi-Volatile Organic Compounds						
Method 8270	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)
Benzo(a)anthracene	ND	66	ND	66	ND	66
Benzo(b)fluoranthene	ND	66	ND	66	ND	66
Benzo(k)fluoranthene	ND	66	ND	66	ND	66
Chrysene	ND	66	ND	66	ND	66
Dibenz(a,h)anthracene	ND	66	ND	66	ND	66

ND = Not detected/ Below the RBSLs
RBSL = Risked Based Screening Levels
ug/kg = micrograms per kilogram
ug/L = micrograms per Liter

**CHAIN OF CUSTODY AND ANALYTICAL
RESULTS**



Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

June 30, 2005

Mr. Hillery Douglas
Earth Sciences, Inc.
PO Box 71042
Charleston, SC 29415

RE: Lab Project Number: 9296461
Client Project ID: 05-512

Dear Mr. Douglas:

Enclosed are the analytical results for sample(s) received by the laboratory on June 14, 2005. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals Analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Charlotte laboratory unless otherwise footnoted.

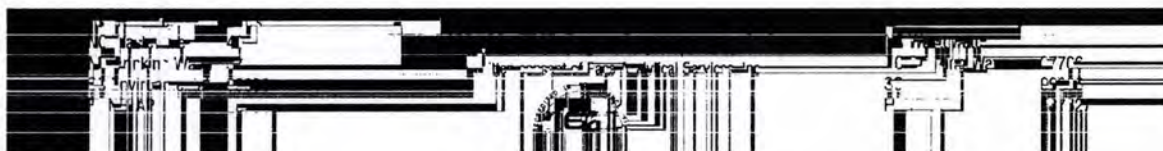
If you have any questions concerning this report please feel free to contact me.

Sincerely,



Richard Swartz
Richard.Swartz@pacelabs.com
Project Manager

Enclosures



Lab Project Number: 9296461
Client Project ID: 05-512

Solid results are reported on a dry weight basis

Lab Sample No: 925745986 Project Sample Number: 9296461-001 Date Collected: 06/13/05 13:00
Client Sample ID: 112L Matrix: Soil Date Received: 06/14/05 10:20

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	ReqLmt
------------	---------	-------	--------------	----------	----	---------	------	--------

Wet Chemistry

Percent Moisture	Method: % Moisture							
Percent Moisture	18.6	%		06/15/05 10:13	TNS			

GC/MS Semivolatiles

Semivolatile Organics	Prep/Method: EPA 3545 / EPA 8270							
Acenaphthene	ND	ug/kg	410	06/20/05 16:50	RPJ	83-32-9		
Acenaphthylene	ND	ug/kg	410	06/20/05 16:50	RPJ	208-96-8		
Anthracene	ND	ug/kg	410	06/20/05 16:50	RPJ	120-12-7		
Benzo(a)anthracene	ND	ug/kg	410	06/20/05 16:50	RPJ	56-55-3		
Benzo(a)pyrene	ND	ug/kg	410	06/20/05 16:50	RPJ	50-32-8		
Benzo(b)fluoranthene	ND	ug/kg	410	06/20/05 16:50	RPJ	205-99-2		
Benzo(g,h,i)perylene	ND	ug/kg	410	06/20/05 16:50	RPJ	191-24-2		
Benzo(k)fluoranthene	ND	ug/kg	410	06/20/05 16:50	RPJ	207-08-9		
Chrysene	ND	ug/kg	410	06/20/05 16:50	RPJ	218-01-9		
Dibenz(a,h)anthracene	ND	ug/kg	410	06/20/05 16:50	RPJ	53-70-3		
Fluoranthene	ND	ug/kg	410	06/20/05 16:50	RPJ	206-44-0		
Fluorene	ND	ug/kg	410	06/20/05 16:50	RPJ	86-73-7		
Indeno(1,2,3-cd)pyrene	ND	ug/kg	410	06/20/05 16:50	RPJ	193-39-5		
Naphthalene	ND	ug/kg	410	06/20/05 16:50	RPJ	91-20-3		
Phenanthrene	ND	ug/kg	410	06/20/05 16:50	RPJ	85-01-8		
Pyrene	ND	ug/kg	410	06/20/05 16:50	RPJ	129-00-0		
Nitrobenzene-d5 (S)	44	%		06/20/05 16:50	RPJ	4165-60-0		
2-Fluorobiphenyl (S)	42	%		06/20/05 16:50	RPJ	321-60-8		
Terphenyl-d14 (S)	69	%		06/20/05 16:50	RPJ	1718-51-0		
Date Extracted	06/15/05			06/15/05				

GC/MS Volatiles

GC/MS VOCs 5035/8260 low level	Method: EPA 8260							
Benzene	ND	ug/kg	6.1	06/18/05 21:44	MSF	71-43-2		
Ethylbenzene	ND	ug/kg	6.1	06/18/05 21:44	MSF	100-41-4		
Methyl-tert-butyl ether	ND	ug/kg	6.1	06/18/05 21:44	MSF	1634-04-4		
Naphthalene	ND	ug/kg	6.1	06/18/05 21:44	MSF	91-20-3		
Toluene	ND	ug/kg	6.1	06/18/05 21:44	MSF	108-88-3		
m&p-Xylene	ND	ug/kg	12.	06/18/05 21:44	MSF			
o-Xylene	ND	ug/kg	6.1	06/18/05 21:44	MSF	95-47-6		
Toluene-d8 (S)	98	%		06/18/05 21:44	MSF	2037-26-5		
4-Bromofluorobenzene (S)	86	%		06/18/05 21:44	MSF	460-00-4		





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Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

Lab Project Number: 9296461
Client Project ID: 05-512

Lab Sample No: 925745986 Project Sample Number: 9296461-001 Date Collected: 06/13/05 13:00
Client Sample ID: 112L Matrix: Soil Date Received: 06/14/05 10:20

<u>Parameters</u>	<u>Results</u>	<u>Units</u>	<u>Report Limit</u>	<u>Analyzed</u>	<u>By</u>	<u>CAS No.</u>	<u>Qual</u>	<u>ReqLmt</u>
Dibromofluoromethane (S)	96	%		06/18/05 21:44	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	88	%		06/18/05 21:44	MSF	17060-07-0		



Lab Project Number: 9296461
Client Project ID: 05-512

Lab Sample No: 925745994 Project Sample Number: 9296461-002 Date Collected: 06/13/05 13:00
Client Sample ID: 112R Matrix: Soil Date Received: 06/14/05 10:20

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	ReqLmt
------------	---------	-------	--------------	----------	----	---------	------	--------

Wet Chemistry

Percent Moisture	Method: % Moisture							
Percent Moisture	20.5	%		06/15/05 10:14	TNS			

GC/MS Semivolatiles

Semivolatile Organics	Prep/Method: EPA 3545 / EPA 8270	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	ReqLmt
Acenaphthene		ND	ug/kg	410	06/20/05 13:06	RPJ	83-32-9		
Acenaphthylene		ND	ug/kg	410	06/20/05 13:06	RPJ	208-96-8		
Anthracene		ND	ug/kg	410	06/20/05 13:06	RPJ	120-12-7		
Benzo(a)anthracene		ND	ug/kg	410	06/20/05 13:06	RPJ	56-55-3		
Benzo(a)pyrene		ND	ug/kg	410	06/20/05 13:06	RPJ	50-32-8		
Benzo(b)fluoranthene		ND	ug/kg	410	06/20/05 13:06	RPJ	205-99-2		
Benzo(g,h,i)perylene		ND	ug/kg	410	06/20/05 13:06	RPJ	191-24-2		
Benzo(k)fluoranthene		ND	ug/kg	410	06/20/05 13:06	RPJ	207-08-9		
Chrysene		ND	ug/kg	410	06/20/05 13:06	RPJ	218-01-9		
Dibenz(a,h)anthracene		ND	ug/kg	410	06/20/05 13:06	RPJ	53-70-3		
Fluoranthene		ND	ug/kg	410	06/20/05 13:06	RPJ	206-44-0		
Fluorene		ND	ug/kg	410	06/20/05 13:06	RPJ	86-73-7		
Indeno(1,2,3-cd)pyrene		ND	ug/kg	410	06/20/05 13:06	RPJ	193-39-5		
Naphthalene		ND	ug/kg	410	06/20/05 13:06	RPJ	91-20-3		
Phenanthrene		ND	ug/kg	410	06/20/05 13:06	RPJ	85-01-8		
Pyrene		ND	ug/kg	410	06/20/05 13:06	RPJ	129-00-0		
Nitrobenzene-d5 (S)		54	%		06/20/05 13:06	RPJ	4165-60-0		
2-Fluorobiphenyl (S)		56	%		06/20/05 13:06	RPJ	321-60-8		
Terphenyl-d14 (S)		66	%		06/20/05 13:06	RPJ	1718-51-0		
Date Extracted	06/15/05				06/15/05				

GC/MS Volatiles

GC/MS VOCs 5035/8260 low level	Method: EPA 8260	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	ReqLmt
Benzene		ND	ug/kg	6.3	06/18/05 22:01	MSF	71-43-2		
Ethylbenzene		ND	ug/kg	6.3	06/18/05 22:01	MSF	100-41-4		
Methyl-tert-butyl ether		ND	ug/kg	6.3	06/18/05 22:01	MSF	1634-04-4		
Naphthalene		ND	ug/kg	6.3	06/18/05 22:01	MSF	91-20-3		
Toluene		ND	ug/kg	6.3	06/18/05 22:01	MSF	108-88-3		
m&p-Xylene		ND	ug/kg	13.	06/18/05 22:01	MSF			
o-Xylene		ND	ug/kg	6.3	06/18/05 22:01	MSF	95-47-6		
Toluene-d8 (S)		98	%		06/18/05 22:01	MSF	2037-26-5		
4-Bromofluorobenzene (S)		83	%		06/18/05 22:01	MSF	460-00-4		
Dibromofluoromethane (S)		96	%		06/18/05 22:01	MSF	1868-53-7		





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Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

Lab Project Number: 9296461
Client Project ID: 05-512

Lab Sample No: 925745994 Project Sample Number: 9296461-002 Date Collected: 06/13/05 13:00
Client Sample ID: 112R Matrix: Soil Date Received: 06/14/05 10:20

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	ReqLmt
1,2-Dichloroethane-d4 (S)	88	%		06/18/05 22:01	MSF	17060-07-0		





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 2225 Riverside Drive
 Asheville, NC 28804
 Phone: 828.254.7176
 Fax: 828.252.4618

Lab Project Number: 9296461
 Client Project ID: 05-512

Lab Sample No: 925746000 Project Sample Number: 9296461-003 Date Collected: 06/13/05 13:00
 Client Sample ID: 112B Matrix: Soil Date Received: 06/14/05 10:20

Parameters **Results** **Units** **Report Limit** **Analyzed** **By** **CAS No.** **Qual** **RegLmt**

Wet Chemistry
 Percent Moisture Method: % Moisture
 Percent Moisture 12.7 % 06/15/05 10:15 TNS

GC/MS Semivolatiles

Parameter	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Semivolatiles Organics Prep/Method: EPA 3545 / EPA 8270								
Acenaphthene	ND	ug/kg	380	06/20/05 13:40	RPJ	83-32-9		
Acenaphthylene	ND	ug/kg	380	06/20/05 13:40	RPJ	208-96-8		
Anthracene	ND	ug/kg	380	06/20/05 13:40	RPJ	120-12-7		
Benzo(a)anthracene	ND	ug/kg	380	06/20/05 13:40	RPJ	56-55-3		
Benzo(a)pyrene	ND	ug/kg	380	06/20/05 13:40	RPJ	50-32-8		
Benzo(b)fluoranthene	ND	ug/kg	380	06/20/05 13:40	RPJ	205-99-2		
Benzo(g,h,i)perylene	ND	ug/kg	380	06/20/05 13:40	RPJ	191-24-2		
Benzo(k)fluoranthene	ND	ug/kg	380	06/20/05 13:40	RPJ	207-08-9		
Chrysene	ND	ug/kg	380	06/20/05 13:40	RPJ	218-01-9		
Dibenz(a,h)anthracene	ND	ug/kg	380	06/20/05 13:40	RPJ	53-70-3		
Fluoranthene	ND	ug/kg	380	06/20/05 13:40	RPJ	206-44-0		
Fluorene	ND	ug/kg	380	06/20/05 13:40	RPJ	86-73-7		
Indeno(1,2,3-cd)pyrene	ND	ug/kg	380	06/20/05 13:40	RPJ	193-39-5		
Naphthalene	ND	ug/kg	380	06/20/05 13:40	RPJ	91-20-3		
Phenanthrene	ND	ug/kg	380	06/20/05 13:40	RPJ	85-01-8		
Pyrene	ND	ug/kg	380	06/20/05 13:40	RPJ	129-00-0		
Nitrobenzene-d5 (S)	37	%		06/20/05 13:40	RPJ	4165-60-0		
2-Fluorobiphenyl (S)	34	%		06/20/05 13:40	RPJ	321-60-8		
Terphenyl-d14 (S)	37	%		06/20/05 13:40	RPJ	1718-51-0		
Date Extracted	06/15/05			06/15/05				

GC/MS Volatiles

Parameter	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC/MS VOCs 5035/8260 low level Method: EPA 8260								
Benzene	ND	ug/kg	5.7	06/19/05 22:54	MSF	71-43-2		
Ethylbenzene	ND	ug/kg	5.7	06/19/05 22:54	MSF	100-41-4		
Methyl-tert-butyl ether	ND	ug/kg	5.7	06/19/05 22:54	MSF	1634-04-4		
Naphthalene	ND	ug/kg	5.7	06/19/05 22:54	MSF	91-20-3		
Toluene	ND	ug/kg	5.7	06/19/05 22:54	MSF	108-88-3		
m&p-Xylene	ND	ug/kg	11.	06/19/05 22:54	MSF			
o-Xylene	ND	ug/kg	5.7	06/19/05 22:54	MSF	95-47-6		
Toluene-d8 (S)	95	%		06/19/05 22:54	MSF	2037-26-5		
4-Bromofluorobenzene (S)	89	%		06/19/05 22:54	MSF	460-00-4		
Dibromofluoromethane (S)	98	%		06/19/05 22:54	MSF	1868-53-7		





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2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

Lab Project Number: 9296461
Client Project ID: 05-512

Lab Sample No: 925746000 Project Sample Number: 9296461-003 Date Collected: 06/13/05 13:00
Client Sample ID: 112B Matrix: Soil Date Received: 06/14/05 10:20

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	ReqLmt
1,2-Dichloroethane-d4 (S)	88	%		06/19/05 22:54	MSF	17060-07-0		





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Fax: 828.252.4618

Lab Project Number: 9296461
Client Project ID: 05-512

PARAMETER FOOTNOTES

Method 9071B modified to use ASE.

All pH, Free Chlorine, Total Chlorine and Ferrous Iron analyses conducted outside of EPA recommended immediate hold time.

Depending on the moisture content the PRLs can be elevated for all soil samples reported on a dry weight basis.

2-Chloroethyl vinyl ether has been shown to degrade in the presence of acid.

- ND Not detected at or above adjusted reporting limit
NC Not Calculable
J Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL Adjusted Method Detection Limit
(S) Surrogate



QUALITY CONTROL DATA

Lab Project Number: 9296461
Client Project ID: 05-512

LABORATORY CONTROL SAMPLE: 925752586

Parameter	Units	Spike	LCS	LCS	Footnotes
		Conc.	Result	% Rec	
Benzo(a)anthracene	ug/kg	1667.00	1291	77	
Benzo(g,h,i)perylene	ug/kg	1667.00	1966	118	
Benzo(a)pyrene	ug/kg	1667.00	1285	77	
Chrysene	ug/kg	1667.00	1283	77	
Dibenz(a,h)anthracene	ug/kg	1667.00	1303	78	
Fluoranthene	ug/kg	1667.00	1235	74	
Fluorene	ug/kg	1667.00	1323	79	
Indeno(1,2,3-cd)pyrene	ug/kg	1667.00	1303	78	
Naphthalene	ug/kg	1667.00	1198	72	
Phenanthrene	ug/kg	1667.00	1283	77	
Pyrene	ug/kg	1667.00	1285	77	
Nitrobenzene-d5 (S)				68	
2-Fluorobiphenyl (S)				77	
Terphenyl-d14 (S)				79	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 925752602 925752610

Parameter	Units	925743643	Spike	MS	MSD	MS	MSD	RPD	Footnotes
		Result	Conc.	Result	Result	% Rec	% Rec		
Acenaphthene	ug/kg	0	1769.00	1600	1801	90	102	12	
Pyrene	ug/kg	158.6	1769.00	1565	1668	80	85	6	
Nitrobenzene-d5 (S)						76	82		
2-Fluorobiphenyl (S)						71	82		
Terphenyl-d14 (S)						78	82		

SAMPLE DUPLICATE: 925752594

Parameter	Units	925743635	DUP	RPD	Footnotes
		Result	Result		
Acenaphthene	ug/kg	ND	ND	NC	
Acenaphthylene	ug/kg	ND	ND	NC	
Anthracene	ug/kg	ND	ND	NC	
Benzo(k)fluoranthene	ug/kg	ND	ND	NC	
Benzo(b)fluoranthene	ug/kg	ND	ND	NC	
Benzo(a)anthracene	ug/kg	ND	ND	NC	

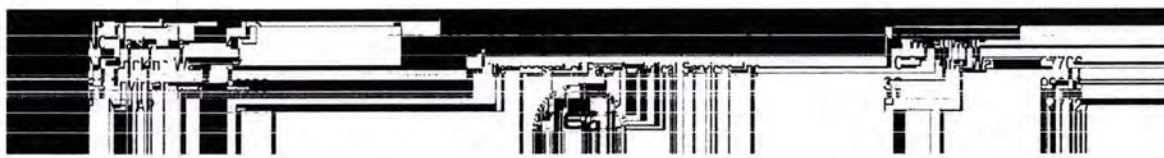


QUALITY CONTROL DATA

Lab Project Number: 9296461
Client Project ID: 05-512

SAMPLE DUPLICATE: 925752594

Parameter	Units	925743635	DUP	RPD	Footnotes
		Result	Result		
Benzo(g,h,i)perylene	ug/kg	ND	ND	NC	
Benzo(a)pyrene	ug/kg	ND	ND	NC	
Chrysene	ug/kg	ND	ND	NC	
Dibenz(a,h)anthracene	ug/kg	ND	ND	NC	
Fluoranthene	ug/kg	ND	ND	NC	
Fluorene	ug/kg	940.0	1100	16	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	ND	NC	
Naphthalene	ug/kg	900.0	1500	47	1
Phenanthrene	ug/kg	3000	3600	18	
Pyrene	ug/kg	550.0	630.0	13	
Nitrobenzene-d5 (S)	%	116	130		2
2-Fluorobiphenyl (S)	%	55	61		
Terphenyl-d14 (S)	%	74	76		



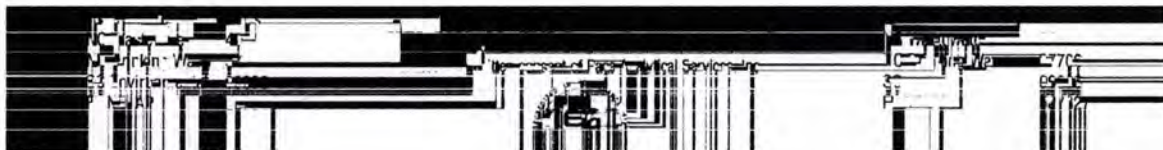
QUALITY CONTROL DATA

Lab Project Number: 9296461
Client Project ID: 05-512

QC Batch: 130550	Analysis Method: % Moisture				
QC Batch Method:	Analysis Description: Percent Moisture				
Associated Lab Samples:	925745986	925745994	925746000	925746018	925746026
	925746034				

SAMPLE DUPLICATE: 925750820

<u>Parameter</u>	<u>Units</u>	<u>925748733</u>	<u>DUP</u>	<u>RPD</u>	<u>Footnotes</u>
		<u>Result</u>	<u>Result</u>		
Percent Moisture	%	32.30	32.20	0	



Lab Project Number: 9296461
Client Project ID: 05-512

QUALITY CONTROL DATA PARAMETER FOOTNOTES

Consistent with EPA guidelines, unrounded concentrations are displayed and have been used to calculate % Rec and RPD values.

- LCS(D) Laboratory Control Sample (Duplicate)
- MS(D) Matrix Spike (Duplicate)
- DUP Sample Duplicate
- ND Not detected at or above adjusted reporting limit
- NC Not Calculable
- J Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
- MDL Adjusted Method Detection Limit
- RPD Relative Percent Difference
- (S) Surrogate
- [1] The calculated RPD was outside QC acceptance limits.
- [2] Base/neutral surrogate recovery outside of control limits. The data was accepted based on valid recovery of remaining two base/neutral surrogates.



Appendix C
Regulatory Correspondence

BOARD:
Elizabeth M. Hagood
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:
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7 November 2005

United States Marine Corps Air Station
Attention: S-4 NREAO (A.G. Howard)
P.O. Box 55001
Beaufort, SC 29904-5001

Re: MCAS – Laurel Bay Housing – 112 Birch Street
Site ID # 03095
Tank Closure Report received 4 November 2005
No Further Action
Beaufort County

Dear Ms. Howard:

The Department has reviewed the referenced assessment report. Based on the laboratory data included in the report, there were no detections of contaminants of concern at this site.

Based on the information and analytical data submitted, the Department recognizes that MCAS has adequately addressed the known environmental contamination identified on the property to date in accordance with the approved scope of work. Consequently, no further investigation is required at this time. Please note, this statement pertains only to the portion of the site addressed in the referenced report and does not apply to other areas of the site and/or any other potential regulatory violations. Further, the Department retains the right to request further investigation if deemed necessary.

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

Sincerely,

Michael Bishop, Hydrogeologist
Groundwater Quality Section
Bureau of Water

B. Thomas Knight, Manager
Groundwater Quality Section
Bureau of Water

cc: Region 8 District EQC
Commander NAVFACENGCOM Southern Division, Attn: Code ES24 (Gabriel Magwood), P.O. Box 190010, North
Charleston, SC 29419-9010
Technical File