SUMMARY REPORT
422 IRIS LANE (FORMERLY 1135 IRIS LANE)
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 SUMMARY REPORT
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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

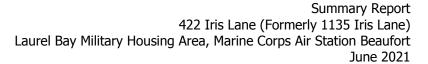
CTO WE52

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

ft feet

IDIQ Indefinite Delivery, Indefinite Quantity

IGWA Initial Groundwater Assessment

JV Joint Venture

LBMH Laurel Bay Military Housing MCAS Marine Corps Air Station

NAVFAC Mid-Lant Naval Facilities Engineering Command Mid-Atlantic

NFA No Further Action

PAH polynuclear aromatic hydrocarbon QAPP Quality Assurance Program Plan

RBSL risk-based screening level

SCDHEC South Carolina Department of Health and Environmental Control

Site LBMH area at MCAS Beaufort, South Carolina

UST underground storage tank
VISL vapor intrusion screening level



1.0 INTRODUCTION

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

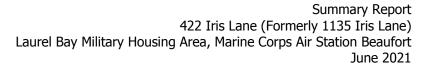
As of January 2014, the LBMH addresses were re-numbered to comply with the E-911 emergency response addressing system; however, in order to remain consistent with historical sampling and reporting for LBMH area, the residences will continue to be referenced with their original address numbers in sample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

This report summarizes the results the environmental investigation activities associated with the storage of home heating oil and the potential release of petroleum constituents at the referenced property. Based on the results of the investigation, a No Further Action (NFA) determination has been made by the South Carolina Department of Health and Environmental Control (SCDHEC) for 422 Iris Lane (Formerly 1135 Iris Lane). 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 422 Iris Lane (Formerly 1135 Iris Lane). Details regarding the soil investigation at this site are provided in the *SCDHEC UST Assessment Report – 1135 Iris Lane* (MCAS Beaufort, 2008). The UST Assessment Report is provided in Appendix B. Details regarding the IGWA sampling activities at this site are provided in the *Investigation of Ground Water at Leaking Heating Oil UST Sites Report* (Resolution Consultants, 2008). The laboratory report that includes the pertinent IGWA analytical results for this site is presented in Appendix C.

2.1 UST Removal and Soil Sampling

On August 20, 2007, two 280 gallon heating oil USTs were removed from the front area of the house at 422 Iris Lane (Formerly 1135 Iris Lane). The former UST locations are indicated on the figure of the UST Assessment Report (Appendix B). The USTs were removed, cleaned, and shipped offsite for recycling. There was no visual evidence (i.e., staining or sheen) of



petroleum impact at the time of the UST removal. According to the UST Assessment Report (Appendix B), the depths to the bases of the USTs were 5'6" (Tank 1) and 5' (Tank 2) bgs and a single soil sample was collected for each at that depth. An additional soil sample was collected at the side of the excavation for each tank at a depth of 4'2" (Tank 1) and 3'11" (Tank 2) bgs. The samples were collected from the fill port side of the former USTs to represent a worst case scenario.

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

2.2 Soil Analytical Results

A summary of the laboratory analytical results and SCDHEC RBSLs is presented in Table 1. A copy of the laboratory analytical data 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 422 Iris Lane (Formerly 1135 Iris Lane) were greater than the SCDHEC RBSLs, which indicated further investigation was required. In a letter dated July 16, 2008, SCDHEC requested an IGWA for 422 Iris Lane (Formerly 1135 Iris Lane) to determine if the groundwater was impacted by petroleum COPCs. SCDHEC's request letter is provided in Appendix D.

2.3 Groundwater Sampling

On July 28, 2008, a temporary monitoring well was installed at 422 Iris Lane (Formerly 1135 Iris Lane), in accordance with the South Carolina Well Standards and Regulations (R.61-71.H-I, updated June 24, 2016). In order to provide data that can be used to determine whether COPCs are migrating to underlying groundwater, the monitoring well was placed in the same general location as the former heating oil USTs. The former UST locations are indicated in the figure of the UST Assessment Report (Appendix B). Further details are provided in the



Investigation of Ground Water at Leaking Heating Oil UST Sites Report (Resolution Consultants, 2008).

The sampling strategy for this phase of the investigation required a one-time sampling event of the temporarily installed monitoring well. Following well installation and development, groundwater samples were collected using low-flow methods and shipped to an offsite laboratory for analysis of the petroleum COPCs. Upon completion of groundwater sampling, the temporary well was abandoned in accordance with the South Carolina Well Standards and Regulations R.61-71 (SCDHEC, 2016). Field forms are provided in the *Investigation of Ground Water at Leaking Heating Oil UST Sites Report* (Resolution Consultants, 2008).

2.4 Groundwater Analytical Results

A summary of the laboratory analytical results and SCDHEC RBSLs is presented in Table 2. A copy of the laboratory analytical data report is included in Appendix C.

The groundwater results collected from 422 Iris Lane (Formerly 1135 Iris Lane) were less than the SCDHEC RBSLs and the site specific groundwater VISLs (Table 2), which indicated that the groundwater was not impacted by COPCs associated with the former USTs at concentrations that present a potential risk to human health and the environment.

3.0 PROPERTY STATUS

Based on the analytical results for groundwater, SCDHEC made the determination that NFA was required for 422 Iris Lane (Formerly 1135 Iris Lane). This NFA determination was obtained in a letter dated December 18, 2008. SCDHEC's NFA letter is provided in Appendix D.

4.0 REFERENCES

Marine Corps Air Station Beaufort, 2008. South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 1135

Iris Lane, Laurel Bay Military Housing Area, January 2008.

Resolution Consultants, 2008. *Investigation of Ground Water at Leaking Heating Oil UST Sites*Report for Laurel Bay Military Housing Area, Multiple Properties, Laurel Bay Military

Housing Area, Marine Corps Air Station Beaufort, Beaufort, South Carolina, November 2008.





- South Carolina Department of Health and Environmental Control Bureau of Land and Waste Management, 2013. *Quality Assurance Program Plan for the Underground Storage Tank Management* Division, *Revision 2.0*, April 2013.
- South Carolina Department of Health and Environmental Control Bureau of Land and Waste Management, 2015. *Quality Assurance Program Plan for the Underground Storage Tank Management* Division, *Revision 3.0*, May 2015.
- South Carolina Department of Health and Environmental Control Bureau of Land and Waste Management, 2016. *Quality Assurance Program Plan for the Underground Storage Tank Management* Division, *Revision 3.1*, February 2016.
- South Carolina Department of Health and Environmental Control Bureau of Land and Waste Management, 2017. *R.61-92, Part 280, Underground Storage Tank Control Regulations*, March 2017.
- South Carolina Department of Health and Environmental Control Bureau of Land and Waste Management, 2018. *Underground Storage Tank Assessment Instructions for Permanent Closure and Change-In-Service*, March 2018.
- South Carolina Department of Health and Environmental Control Bureau of Water, 2016. *R.61-71, Well Standards*, June 2016.

Tables



Table 1 Laboratory Analytical Results - Soil 422 Iris Lane (Formerly 1135 Iris Lane) Laurel Bay Military Housing Area Marine Corps Air Station Beaufort Beaufort, South Carolina

	(1)				
Constituent	SCDHEC RBSLs (1)	1135 Iris		1135 Iris Bottom 01 Tank 2	1135 Iris Side 02 Tank 2
Volatile Organic Compounds Analyze	d by EPA Method 8260B (mg/kg)				
Benzene	0.003	ND	0.000185	0.000301	0.000223
Ethylbenzene	1.15	0.0503	ND	0.00187	0.000402
Naphthalene	0.036	8.48	0.00258	0.0222	0.00192
Toluene	0.627	ND	0.000714	0.000558	0.000429
Xylenes, Total	13.01	0.0345	0.000246	0.0024	0.000692
Semivolatile Organic Compounds Ana	lyzed by EPA Method 8270D (mg/kg)		•		
Benzo(a)anthracene	0.66	ND	0.443	ND	ND
Benzo(b)fluoranthene	0.66	ND	ND	ND	ND
Benzo(k)fluoranthene	0.66	ND	ND	ND	ND
Chrysene	0.66	ND	0.657	ND	ND
Dibenz(a,h)anthracene	0.66	ND	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 - milligrams per kilogram

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

RBSL - Risk-Based Screening Level

SCDHEC - South Carolina Department Of Health and Environmental Control

Table 2 Laboratory Analytical Results - Groundwater 422 Iris Lane (Formerly 1135 Iris Lane) Laurel Bay Military Housing Area Marine Corps Air Station Beaufort Beaufort, South Carolina

Constituent	SCDHEC RBSLs (1)	Site-Specific Groundwater VISLs (µg/L) ⁽²⁾	Results Sample Collected 07/28/08
Volatile Organic Compounds Analyzed	by EPA Method 8260B (μg/L)	
Benzene	5	16.24	ND
Ethylbenzene	700	45.95	ND
Naphthalene	25	29.33	ND
Toluene	1000	105,445	ND
Xylenes, Total	10,000	2,133	ND
Semivolatile Organic Compounds Ana	lyzed by EPA Method 82	70D (μg/L)	
Benzo(a)anthracene	10	NA	ND
Benzo(b)fluoranthene	10	NA	ND
Benzo(k)fluoranthene	10	NA	ND
Chrysene	10	NA	ND
Dibenz(a,h)anthracene	10	NA	ND

Notes:

Bold font indicates the analyte was detected.

Bold font and shading indicates the concentration exceeds the SCDHEC RBSL and/or the Site-Specific Groundwater VISL.

EPA - United States Environmental Protection Agency

JE - Johnson & Ettinger

NA - Not Applicable

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

RBSL - Risk-Based Screening Level

SCDHEC - South Carolina Department Of Health and Environmental Control

μg/L - micrograms per liter

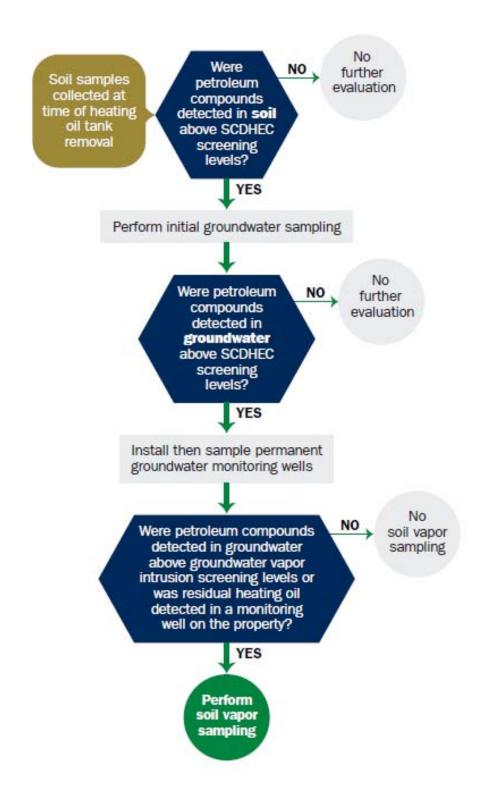
VISL - Vapor Intrusion Screening Level

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

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

Appendix A Multi-Media Selection Process for LBMH



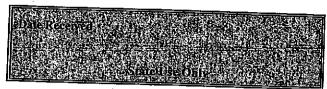


Appendix A - Multi-Media Selection Process for LBMH

Appendix B UST Assessment Report



Attachment 1 South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank (UST) Assessment Report



Submit Completed Form To:
UST Program
SCDHEC
2600 Bull Street
Columbia, South Carolina 29201
Telephone (803) 896-6240

· 1,	OWNERSHIP (OF UST (S)		·
Owner Nam	ne (Corporation, Individ	ual, Public Agency, Other)	·	
Mailing Ad	Beaufort Milii	tary Complex Fami		
	1510 Laurel Ba	ay Blvd.		· · · · · · · · · · · · · · · · · · ·
City	Beaufort	State SC	Zip Code 29906	
Area Code	843-379-3305	Telephone Number	Contact Person	
			Luke Asterman	

a. SITE IDENTIFICATION AND LOC	ATION
Permit I.D. # N/A	
Facility Name or Company Site Identifier	ease, LLC
	STERIS
Street Address or State Road (as applicable)	
Beaufort, SC 29906	Beaufort
ZIP	County

Attachment 2 III. INSURANCE INFORMATION

	Insurance Statement	
1 1 2	The petroleum release reported to DHEC on N/A at Permit ID # may qualify to receive state remonies to pay for appropriate site rehabilitation activities. Before participation is allowed in the State Clean-up fund, written confirmation of the existence or non-existence of an environmental insurance policy is required. This section must be completed.	
	Is there now, or has there ever been an insurance policy or other financial mechanism that covers this UST release? YES NO (check one)	
	If you answered YES to the above question, please complete the following information:	
	My policy provider is: The policy deductible is: The policy limit is:	
	If you have this type of insurance, please include a copy of the policy with this report.	
	And	; }
	I do/do not (circle one) wish to participate in the Superb Program.	
	IV. CERTIFICATION (To be signed by the UST owner/operator.)	
	ached documents; and that based on my inquiry of those individuals responsible for obtaining this and all ormation, I believe that the submitted information is true, accurate, and complete.	
	me (Type or print.)	
	be completed by Notary Public:	
Swi	orn before me this ************************************	The many continues and the
(N	Jame)	
Nota Plea	ary Public for the state of	· .
		,

	V. UST INFORMATION	Tank 1	Tank 2	Tank 3	Tank 4	Tank 5	Tank 6	
	Product(ex. Gas, Kerosene)	#2 Fuel	#Z Fuel					
•	·	280 G						
•	Age							
	Construction	Steel	Steel					
	Month/Year of Last Use	-		•		·		
	Depth (ft.) To Base of Tank	6611	60"		.			
	Spill Prevention Equipment Y/N	N						•
	Overfill Prevention Equipment Y/N	N						
	Method of Closure Removed/Filled	emova	emova !	 +	 - -	·		
	Dota Tanla D	12007			-			··
	Visible Corrosion or Pitting Y/N	y/	\(\frac{\partial \text{\text{\$\sigma}}}{\frac{1}{2}}\)			<u> </u>		
	Visible Holes Y/N	V	/ /		,	-	·	•
	Method of disposal for any USTs removed from the gro	<u> </u>	<u> </u>					
-		ound (att	ach dispo	osal man	ifests)			
_	Recycling: Scrap Steel						·	
N d ∸	Method of disposal for any liquid petroleum, sludges, or lisposal manifests) Republic Broadhurst	wastew Landf	aters ren	oved fro	om the U	STs (atta	ach	
_	Solidification & Subti							•
If	TANK#2 - Pitted + Ab Both were filled	e the loc	ation and	l extent f	for each l	JST	(Do. o. 11	(B)
	, , , , ,	Inv	veet	~ /٧+	OMMO	ones	y previ	

VI. PIPING INFORMATION

		Tank 1	Tank 2	Tank 3	Tank 4	Tank 5	Tank 6
A.	Construction Material(ex. Steel, FRP)	Steel		 	 		
B.	Distance from UST to Dispenser	<u> </u>					
C.	Number of Dispensers	NIA			<u> </u>		
D.	Type of System Pressure or Suction	-0-					
E.	Was Piping Removed from the Ground? Y/N	Suction	Sucha	-			
F.	Visible Corrosion or Pitting Y/N	. У	У			`	
3 .	Visible Holes Y/N	3/	1		·		 -
H.	Age	7	1.				
		Ν.	N				
			. 1	.	Ì	İ	
	If any corrosion, pitting, or holes were observed, des Fill Pipe And Vent	PI	se l	n Ad	MINE	e paping	141. 11/
	VII. BRIEF SITE DESCRIPTION AND I	HISTOI	RY			·	
	RESIDENTIAL HOME HE	EATING	OIL T	NK.	-		
Marian Antonia		The state of the s		<u> </u>	15/7 1 2 1	<u> </u>	·
			 -				· ———

VIII. SITE CON. IIONS

	Yes	No	Unk
A. Were any petroleum-stained or contaminated soils found in the UST excavation, soil borings, trenches, or monitoring wells? If yes, indicate depth and location on the site map.		×	
B. Were any petroleum odors detected in the excavation, soil borings, trenches, or monitoring wells?			
If yes, indicate location on site map and describe the odor (strong, mild, etc.)		x	
C. Was water present in the UST excavation, soil borings, or trenches?			
If yes, how far below land surface (indicate location and depth)?		×	
D. Did contaminated soils remain stockpiled on site after closure?			
If yes, indicate the stockpile location on the site map.			
Name of DHEC representative authorizing soil removal:		X	
E. Was a petroleum sheen or free product detected on any excavation or boring waters?			
If yes, indicate location and thickness.		x	

SCDHEC Lab Certification Number DW: 84009002

В.

Sample # Location Sample Type Soil Type Depth* Date/Tir	
Sample # Location Sample Type Soil Type Depth* Date/Tir (Soil/Water) (Sand/Clay) Collect	
AR2 SIDE S SAND 66" 8-20-0 SAND 50" 8-20-0	F MJan ND
AP 5:DE 5 SAND 66" 8-20-0 SAND 50" 8-20-0	7 MJONEY ND
3	7 7 7
4	
5 BOTTOM S BAND 60 8-20-1	7 M. Tones N/A
6 SIDE S SAND 47 8-20-0	
7	M. Series N/B
8	
9	
10	
11	
12	
13 .	
14	
15	
16	
17	
18	
19 22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
20	

* = Depth Below the Surrounding Land Surface

X.

SAMPLING METHODOLOGY

Provide a detailed description of the methods used to collect <u>and</u> store the samples. Also include the preservative used for each sample. Please use the space provided below.

•
EPA Method 8260B : Volatile Organic Compounds
- Preservatives: 2 ea. Sodium Bisulfate: 1 ea. Mothanel
, ca. methanor
EPA Method 9270 Polyment
Dra Method 8270 : Polyaromatic Hydrocarbons
_ No Preservative
One (1) sidewall and one (1) bottom gample
from analytical secured
in an insulated cooler with wet Ice
EPA Method 8260B: Volatile Organic Compounds - Preservatives: 2 ea. Sodium Bisulfate; 1 ea. Methanol EPA Method 8270: Polyaromatic Hydrocarbons - No Preservative One (1) sidewall and one (1) bottom sample were secured from each UST excavation. Samples were stored and shipped in an insulated cooler with wet Ice.
Annual Marie 1 age.

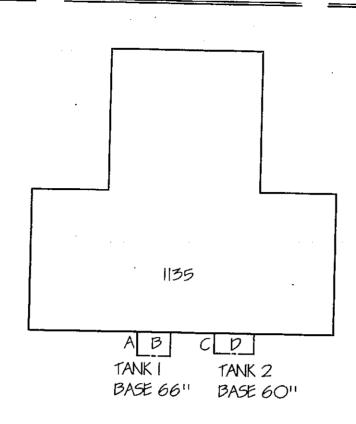
XI. RECEPTONS

·	·	Yes	No
Α.	Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the UST system?		
	If yes, indicate type of receptor, distance, and direction on site map.		X
B.	Are there any public, private, or irrigation water supply wells within 1000 feet of the UST system?		
	If yes, indicate type of well, distance, and direction on site map.		
C.	Are there any underground structures (e.g., basements) Located within 100 feet of the UST system?		
	If yes, indicate type of structure, distance, and direction on site map.		
D.	Are there any underground utilities (e.g., telephone, electricity, gas, water, sewer, storm drain) located within 100 feet of the UST system that could potentially come in contact with the contamination?		
	If yes, indicate the type of utility, distance, and direction on the site map.		V
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?		1
	If yes, indicate the area of contaminated soil on the site map.		

SITE MAP

You must supply a <u>scaled</u> 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)



IRIS LANE

TANK I EXCAVATION

A-SOIL TEST SIDE SAMPLE @ 44" B-SOIL TEST BOTTOM SAMPLE @ 66"



TANK 2 EXCAVATION

C-SOIL TEST SIDE SAMPLE @ 42" D-SOIL TEST BOTTOM SAMPLE @ 60"

CUSTOMER:

BEAUFORT MILITARY COMPLEX FAMILY HOUSING

TE ADDRESS

1135 IRIS LANE

SCALE:

1/16"=1"-0"

SUPPLIER:

EPG INC.

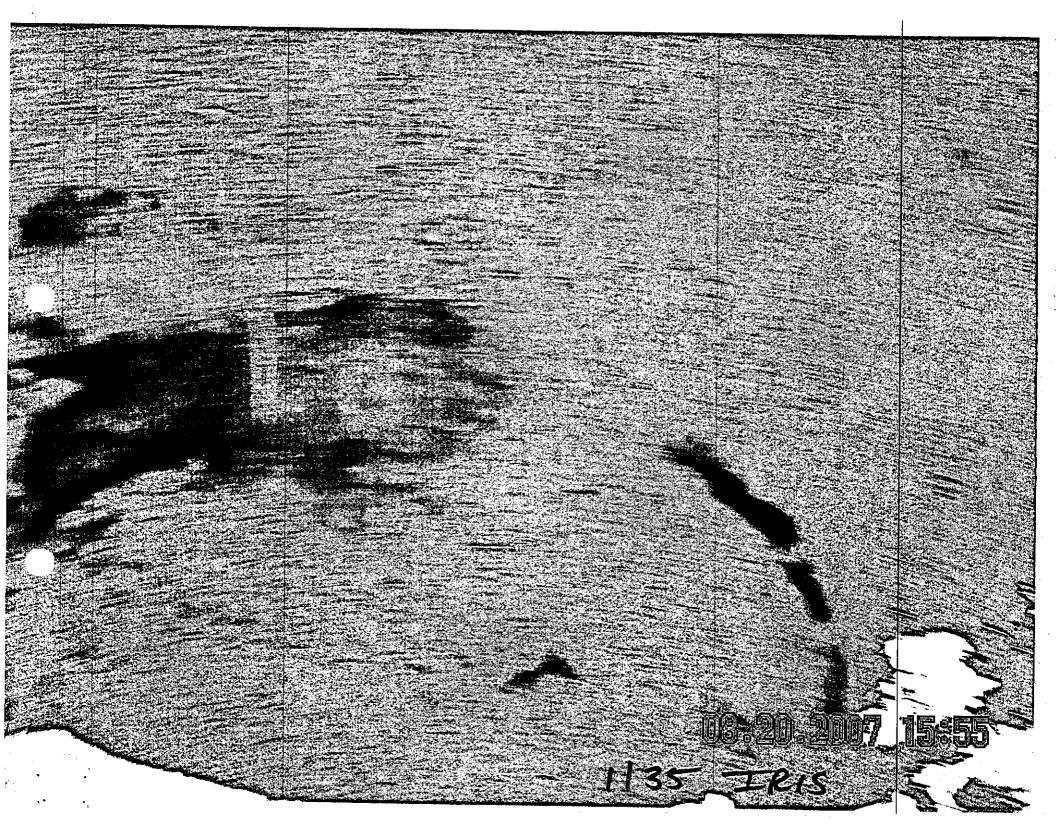
DATE:

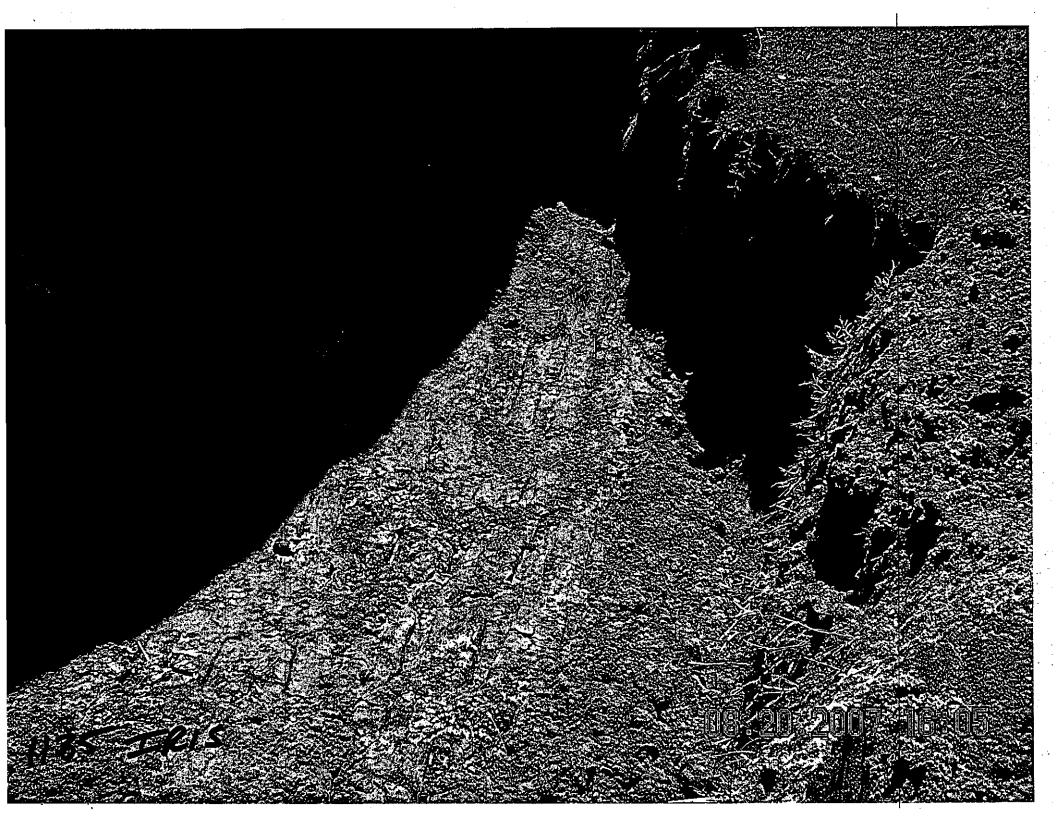
9/20/2007

EPG INC.

P.O. BOX 1096 MOUNT PLEASANT, SC 29465-1096









SUMMARY OF ANALYSIS RESULTS

NIA

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

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

CoC .	SB-9	SB-10	SB-11	SB-12	SB-13	SB-14	SB-15	SB-16
Benzene						,		
Тојиеле							-	
Ethylbenzene								
Xylenes							-	
Naphthalene								—
Benzo(a)anthracene		·					· · ·	
Benzo(b)flouranthene								
Benzo(k)flouranthene-			·····	. 	, - ,-,-	1.0		
Chrysene								
Dibenz(a,h)anthracene				•				-
TPH (EPA 3550)								

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.

present, indicate the measured	I differences to	He Hearest V	or icci.		
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)anthracen e	10				
EDB	.05	stanne workere			
1,2-DCA	.05				
Lead	Site specific				

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)

0Q40601

TestAmerica

ANALYTICAL TESTING CORPORATION

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

Compliance Monitoring

Client Name	EPG	, ,							Ċ	lien	t#:				_					•				
Address	·															Projec	ct Name	: <u>)</u>	AUI	عدل	P	AV		
City/State/Zip Code	:															F	roject#	Ε	P-2	36	2_	- ,		
Project Manager	Toh	MA	hor	በረ።	4									·		Site/Loc							State	
Telephone Number	:				1			Fax:					·				eport To				M	hr	_	
Sampler Name: (Print Name)	MAC	ιK	了	ne	ر.		•										· /oice To						// 1 /	
Sampler Signature	Mal	4	9,5								-				_		Quote #					PON	<u>'</u>	
			V		Matrix	Рге	servi	ation	&# c	f Co	ntair	lers			<u>ــــ</u>	******		ze For		سبه س	ور برانيد ا			
Standard Rush (surcharges may apply) Date Needed: Fax Results: Y N	Sampled	тю Sampled	ib, C = Composite	l	DW - Drinking Water tweter S - Soul/Solid water Specify Other									FMPTh.83	82 70	7/								CC Deliverables None Level 2 (Batch QC) Level 3 Level 4 Other:
SAMPLE ID	Date	╽┈┖ ┈	G = Grab,	Field Filtered	SL - Sludge GW - Groun? WW - Waste	HNO ₃	HCI	NeoH	H ₂ SO ₄	Methanol	Sup.	Other (Specify)	\ \ \ 		#/			_		_				REMARKS
1131 12-15-BOTTOM-UI	8-17-7			ļ	<u> </u>			<u> </u>		1	2	2	X	x	$oldsymbol{ol}}}}}}}}}}}}}}}}}$								OL	
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1062 GARDENIA BOTTOM- 01		7	_		 -	\vdash	_	<u> </u>	_	4	긔	2	٨	×	↓		<u> </u>	<u> </u>					03	
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Relinquished By:		Date:		Time	3 ;	Rea	eive	d Bo			- 1	•			Date	•	Time:		Metho	cl of C1	inme	. 5	in	b -11/)/



Attn:

PO BOX 1096

MT PLEASANT, SC 29465

²G, INC.

JOHN MAHONEY

Work Order:

OQH0601

Project:

LAUREL BAY

Project Number: EP-2362

Sampled: 08/17/07-08/20/07 Received: 08/24/07

LABORATORY REPORT

Sample ID: 1062 GARDENIA-SIDE 02 - Lab Number: OQH0601-04 - Matrix: Solid/Soil

CAS#	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	Ву	Method	Batch
	Organic Compounds by EPA										
1330-20-7	Xylenes, total	0.341	I	ug/kg dry	0.211	0.406	1	08/29/07 14:03	JWT	EPA 8260B	7H27020
	,2-Dichloroethane-d4 (73-137%)	115 %	•	-		•					
-	-Bromofluorobenzene (59-118%)	91%									
-	Dibromofluoromethane (55-145%)	105 %									
J	oluene-d8 (80-117 %)	96 %									
	Chemistry Parameters										
Solids	% Dry Solids	77.3	SPS	%	0.500	0.500	1	08/24/07 16:05	AEB	SW-846	7085830
	atic Hydrocarbons by EPA 8										
83-32-9	Acenaphthene	0.0456	U	mg/kg dry	0.0456	0.0848	1	08/31/07 03:54	RLB	SW846 8270	
208-96-8	Acenaphthylene	0.0557	U	mg/kg dry	0.0557	0.0848	l	08/31/07 03:54	RLB	SW846 8270	C7085614
120-12-7	Anthracene	0.0506	U	mg/kg dry	0.0506	0.0848	1	08/31/07 03:54	RLB	SW846 8270	C7085614
56-55-3	Benzo (a) anthracene	0.0468	ប	mg/kg dry	0.0468	0.0848	1	08/31/07 03:54	RLB	SW846 8270	C7085614
50-32-8	Benzo (a) pyrene	0.0506	υ	mg/kg dry	0.0506	0.0848	1	08/31/07 03:54	RLB	SW846 8270	C7085614
205-99-2	Benzo (b) fluoranthene	0.0481	. U	mg/kg dry	0.0481	0.0848	1	08/31/07 03:54	RLB	SW846 8270	C7085614
191-24-2	Benzo (g,h,i) perylene	0.0342	U	mg/kg dry	0.0342	0.0848	1	08/31/07 03:54	RLB	SW846 8270	C7085614
207-08-9	Benzo (k) fluoranthene	0.0582	บ	mg/kg dry	0.0582	0.0848	1	08/31/07 03:54	RLB	SW846 8270	C7085614
218-01-9	Chrysene	0.0494	U	mg/kg dry	0.0494	0.0848	1	08/31/07 03:54	RLB	SW846 8270	C7085614
53-70-3	Dibenz (a,h) anthracene	0.0329	U	mg/kg dry	0.0329	0.0848	1	08/31/07 03:54	RLB	SW846 8270	C7085614
206-44-0	Fluoranthene	0.0532	υ	mg/kg dry	0.0532	0.0848	1	08/31/07 03:54	RLB	SW846 8270	C7085614
86-73-7	Fluorene	0.0544	υ	mg/kg dry	0.0544	0.0848	1	08/31/07 03:54	RLB	SW846 8270	C7085614
193-39-5	Indeno (1,2,3-cd) pyrene	0.0430	U	mg/kg dry	0.0430	0.0848	1	08/31/07 03:54	RLB	SW846 8270	C7085614
91-20-3	Naphthalene	0.0506	U	mg/kg dry	0.0506	0.0848	1	08/31/07 03:54	RLB	SW846 8270	C7085614
85-01-8	Phenanthrene	0.0553	I	mg/kg dry	0.0506	0.0848	1	08/31/07 03:54	RLB	SW846 8270	C7085614
129-00-0	Pyrene	0.0595	U	mg/kg dry	0.0595	0.0848	1	08/31/07 03:54	RLB	SW846 8270	C7085614
90-12-0	1-Methylnaphthalene	0.0456	Ū	mg/kg dry	0.0456	0.0848	1	08/31/07 03:54	RLB	SW846 8270	
91-57-6	2-Methylnaphthalene	0.0456	U	mg/kg dry	0.0456	0.0848	i	08/31/07 03:54	RLB	SW846 8270	
	erphenyl-d14 (49-123%)	65 %	-	··· 0··· 0		2.22.2	-	,		_ // 0 // 0 // 0	
_	Fluorobiphenyl (30-93%)	64 %									
-	itrobenzene-d5 (34-87%)	61%									

LABORATORY REPORT

Sample ID: 1135 IRIS BOTTOM 01 - Lab Number: OQH0601-05 - Matrix: Solid/Soil

CAS#	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	Ву	Method	Batch
	Chemistry Parameters						_				
NA	% Solids	76.7		%.	0.100	0.100	I	08/24/07 16:05	RRP	EPA 160.3	7H24050
Volatile (Organic Compounds by EPA	Method 82	60B								
71-43-2	Benzene	19.2	RL2,U	ug/kg dry	19.2	52.3	100	08/29/07 15:12	JWT	EPA 8260B	7H27020
100-41-4	Ethylbenzene	50.3	RL2,I	ug/kg dry	22.1	52.3	100	08/29/07 15:12	JWT	EPA 8260B	7H27020
91-20-3	Naphthalene	8480	RL2	ug/kg dry	28.9	52.3	100	08/29/07 15:12	JWT	EPA 8260B	7H27020
108-88-3	Toluene	45.2	RL2,U	ug/kg dry	45.2	52.3	100	08/29/07 15:12	JWT	EPA 8260B	7H27020
1330-20-7	Xylenes, total	34.5	RL2,I	ug/kg dry	27.2	52.3	100	08/29/07 15:12	JWT	EPA 8260B	7H27020
Surrogate: 1	,2-Dichloroethane-d4 (73-137%)	91%						:		•	

Project Manager



PO BOX 1096

MT PLEASANT, SC 29465

Attn: JOHN MAHONEY

Work Order:

Project:

OQH0601

LAUREL BAY

Project Number: EP-2362

Sampled: 08/17/07-08/20/07

Received: 08/24/07

LABORATORY REPORT

Sample ID: 1135 IRIS BOTTOM 01 - Lab Number: OQH0601-05 - Matrix: Solid/Soil

CAS#	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	Ву	Method	Batch
	Organic Compounds by EPA		50B - Co	nt.		··· - ·					
_	4-Bromofluorobenzene (59-118%)	93 %									
	Dibromofluoromethane (55-145%)	97%		***					-		
_	Toluene-d8 (80-117%)	100 %									
General Solids	Chemistry Parameters % Dry Solids	76.7	SPS	%	0.500	0.500	1	08/24/07 16:05	AEB	SW-846	7085830
Polyaron	natic Hydrocarbons by EPA 8	270C				-					
83-32-9	Acenaphthene	0.232	RL1,U	mg/kg dry	0.232	0.432	5	08/31/07 14:42	JLS	SW846 82	70C7085614
208-96-8	Acenaphthylene	0.284	RL1,U	mg/kg dry	0.284	0.432	5	08/31/07 14:42	JLS	SW846 823	70C7085614
120-12-7	Anthracene	0.258	RL1,U	mg/kg dry	0.258	0.432	5	08/31/07 14:42	JLS	SW846 821	70C7085614
56-55-3	Benzo (a) anthracene	0.238	RL1,U	mg/kg dry	0.238	0.432	5	08/31/07 14:42	JLS	SW846 823	70C7085614
50-32-8	Benzo (a) pyrene	0.258	RL1,U	mg/kg dry	0.258	0.432	5	08/31/07 14:42	JLS	SW846 823	70C7085614
205-99-2	Benzo (b) fluoranthene	0.245	RL1,U	mg/kg dry	0.245	0.432	5	08/31/07 14:42	JLS	SW846 823	70C7085614
191-24-2	Benzo (g,h,i) perylene	0.174	RL1,U	mg/kg dry	0.174	0.432	5	08/31/07 14:42	JLS	SW846 823	70C7085614
207-08-9	Benzo (k) fluoranthene	0.296	RLI,U	mg/kg dry	0.296	0.432	5	08/31/07 14:42	JLS	SW846 827	OC7085614
218-01-9	Chrysene	0.251	RL1,U	mg/kg dry	0.251	0.432	5	08/31/07 14:42	JLS	SW846 827	OC7085614
53-70-3	Dibenz (a,h) anthracene	0.168	RL1,U	mg/kg dry	0.168	0.432	5	08/31/07 14:42	JLS	SW846 827	OC7085614
206-44-0	Fluoranthene	0.337	RL1,I	mg/kg dry	0.271	0.432	5	08/31/07 14:42	JLS	SW846 827	OC7085614
86-73-7	Fluorene	0.277	RLI,U	mg/kg dry	0.277	0.432	5	08/31/07 14:42	JLS	SW846 827	OC7085614
193-39-5	Indeno (1,2,3-cd) pyrene	0.219	RL1,U	mg/kg dry	0.219	0.432	5	08/31/07 14:42	JLS	SW846 827	OC7085614
91-20-3	Naphthalene	0.258	RLI,U	mg/kg dry	0.258	0.432	5	08/31/07 14:42	JLS	SW846 827	OC7085614
35-01-8	Phenanthrene	1.23		mg/kg dry	0.258	0.432	5	08/31/07 14:42	JLS	SW846 827	OC7085614
129-00-0	Pyrene	0.367	RL1,I	mg/kg dry	0.303	0.432	5	08/31/07 14:42	JLS	SW846 827	OC7085614
90-12-0	I-Methylnaphthalene	0.232	RLI,U	mg/kg dry	0.232	0.432	5	08/31/07 14:42	JLS	SW846 827	OC7085614
91-57-6	2-Methylnaphthalene	0.232	RL1,U	mg/kg dry	0.232	0.432	5	08/31/07 14:42	JLS	SW846 827	OC7085614
Surrogate: T	Terphenyl-d14 (49-123%)	73 %	RL1						•		
=	?-Fluorobiphenyl (30-93%)	84 %	RLI								
Surrogate: 1	Vitrobenzene-d5 (34-87%)	102 %	J1								

LABORATORY REPORT

Sample ID: 1135 IRIS SIDE 02 - Lab Number: OQH0601-06 - Matrix: Solid/Soil

CAS#	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	Ву	Method	Batch
	Chemistry Parameters			-							
NA	% Solids	84.2		%.	0.100	0.100	1	08/24/07 16:05	RRP	EPA 160.3	7H24050
Volatile C	Organic Compounds by EPA	Method 8260	0B					•			
71-43-2	Benzene	0.185	· 1	ug/kg dry	0.113	0.308	I	08/29/07 14:55	JWT	EPA 8260B	7H27020
100-41-4	Ethylbenzene	0.130	U	ug/kg dry	0.130	0.308	1	08/29/07 14:55	JWT	EPA 8260B	7H27020
91-20-3	Naphthalene	2.58		ug/kg đry	0.170	0.308	1	08/29/07 14:55	JWT	EPA 8260B	7H27020
108-88-3	Toluene	0.714		ug/kg dry	0.266	0.308	1	08/29/07 14:55	JWT	EPA 8260B	7H27020
330-20-7	Xylenes, total	0.246	I	ug/kg dry	0.160	0.308	1	08/29/07 14:55	JWT	EPA 8260B	7H27020
	0 h: 11										

Surrogate: 1,2-Dichloroethane-d4 (73-137%) 109 % Surrogate: 4-Bromofluorobenzene (59-118%) 96 %

Surrogate: 4-Bromofluorobenzene (59-118%) 96 % Surrogate: Dibromofluoromethane (55-145%) 104 %



PO BOX 1096

MT PLEASANT, SC 29465

JOHN MAHONEY Attn:

Work Order:

Project:

OQH0601

LAUREL BAY

Project Number:

EP-2362

Sampled: 08/17/07-08/20/07

Received: 08/24/07

LABORATORY REPORT

Sample ID: 1135 IRIS SIDE 02 - Lab Number: OQH0601-06 - Matrix: Solid/Soil

CAS#	Analyte	Result	Q	Units	MDL	· PQL	Dil Factor	Analyzed Date/Time	Ву	Method	Batch
	Organic Compounds by EP. Foluene-d8 (80-117%)	A Method 8266	0 B - Co	nt.							
General (Solids	Chemistry Parameters % Dry Solids	84.2	SPS	%	0.500	0.500	. 1	08/24/07 16:05	AEB	SW-846	7085830
Polyaron	natic Hydrocarbons by EPA	8270C									
83-32-9	Acenaphthene	0.420	บ	mg/kg dry	0.420	0.781	10	08/31/07 15:09	JLS	SW846 8270	C7085614
208-96-8	Acenaphthylene	0.513	U	mg/kg dry	0.513	0.781	10	08/31/07 15:09	JLS	SW846 8270	C7085614
120-12-7	Anthracene	0.525	I	mg/kg dry	0.467	0.781	10	08/31/07 15:09	JLS	SW846 8270	C7085614
56-55-3	Benzo (a) anthracene	0.443	I	mg/kg dry	0.432	0.781	10	08/31/07 15:09	JLS	SW846 82700	C7085614
50-32-8	Benzo (a) pyrene	0.467	บ	mg/kg dry	0.467	0.781	10	08/31/07 15:09	JLS	SW846 82700	C7085614
205-99-2	Benzo (b) fluoranthene	0.443	U	mg/kg dry	0.443	0.781	10	08/31/07 15:09	JLS	SW846 8270	C7085614
191-24-2	Benzo (g,h,i) perylene	0,315	U	mg/kg dry	0.315	0.781	10	08/31/07 15:09	JLS	SW846 82706	C7085614
207-08-9	Benzo (k) fluoranthene	0.536	U	mg/kg dry	0.536	0.781	10	08/31/07 15:09	JLS	SW846 82700	C7085614
218-01-9	Chrysene	0.657	r	mg/kg dry	0.455	0.781	10	08/31/07 15:09	JLS	SW846 8270	C7085614
53-70-3	Dibenz (a,h) anthracene	0.303	U	mg/kg dry	0.303	0.781	10	08/31/07 15:09	JLS	SW846 8270	C7085614
206-44-0	Fluoranthene	1.01		mg/kg dry	0.490	0.781	10	08/31/07 15:09	JLS	SW846 82700	C7085614
86-73-7	Fluorene	2.57		mg/kg dry	0.501	0.781	10	08/31/07 15:09	JLS	SW846 82700	C7085614
193-39-5	Indeno (1,2,3-cd) pyrene	0.397	U	mg/kg dry	0.397	0.781	1 0	08/31/07 15:09	JLS	SW846 82700	C7085614
91-20-3	Naphthalene	0.467	U	mg/kg dry	0.467	0.781	10	08/31/07 15:09	JLS	SW846 82700	27085614
85-01-8	Phenanthrene	5.81		mg/kg dry	0.467	0.781	10	08/31/07 15:09	JLS	SW846 82700	27085614
129-00-0	Pyrene	0.991		mg/kg dry	0.548	0.781	10	08/31/07 15:09	JLS	SW846 82700	C7085614
90-12-0	1-Methylnaphthalene	8.90		mg/kg dry	0.420	0.781	10	08/31/07 15:09	JLS	SW846 82700	C7085614
91-57-6	2-Methylnaphthalene	5.72		mg/kg dry	0.420	0.781	10	08/31/07 15:09	JLS	SW846 82700	C7085614
Surrogate: T	erphenyl-d14 (49-123%)	71 %									
•	-Fluorobiphenyl (30-93%)	85 %									4
Surrogate: N	litrobenzene-d5 (34-87%)	108 %	J1								

LABORATORY REPORT

Sample ID: 1135 IRIS BOTTOM 01 TANK 2 - Lab Number: OQH0601-07 - Matrix: Solid/Soil

CAS#	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	Ву	Method	Batch
	Chemistry Parameters										
NA	% Solids	82.8		%.	0.100	0.100	ī	08/24/07 16:05	RRP	EPA 160.3	7H24050
Volatile C	Organic Compounds by EPA I	Method 8260B									
71-43-2	Benzene	0.301		ug/kg dry	0.102	0.279	1	08/29/07 14:22	JWT	EPA 8260B	7H27020
100-41-4	Ethylbenzene	1.87		ug/kg dry	0.118	0.279	1	08/29/07 14:22	JWT	EPA 8260B	7H27020
91-20-3	Naphthalene	22.2		ug/kg dry	0.154	0.279	1	08/29/07 14:22	JWT	EPA 8260B	7H27020
108-88-3	Toluene	0.558		ug/kg dry	0.241	0.279	1	08/29/07 14:22	JWT	EPA 8260B	7H27020
1330-20-7	Xylenes, total	2.40	•	ug/kg dry	0.145	0.279	1	08/29/07 14:22	JWT	EPA 8260B	7H27020
Surrogate: 1	2-Dichloroethane-d4 (73-137%)	120%									

Surrogate: 4-Bromofluorobenzene (59-118%) 87% Surrogate: Dibromofluoromethane (55-145%) 103 % Surrogate: Toluene-d8 (80-117%)

96 %

General Chemistry Parameters

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



PO BOX 1096

MT PLEASANT, SC 29465

JOHN MAHONEY Attn:

Work Order:

Project:

OQH0601

LAUREL BAY

Project Number: EP-2362

Sampled: 08/17/07-08/20/07

Received: 08/24/07

LABORATORY REPORT

Sample ID: 1135 IRIS BOTTOM 01 TANK 2 - Lab Number: OQH0601-07 - Matrix: Solid/Soil

CAS#	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	Ву	Method	Batch
General	Chemistry Parameters					-					
Solids	% Dry Solids	82.8	SPS	%	0.500	0.500	1	08/24/07 16:05	AEB	SW-846	7085830
Polyaron	natic Hydrocarbons by EPA	8270C -						·			
33-32-9	Acenaphthene	0.0425	ប	mg/kg dry	0.0425	0.0790	1	08/31/07 14:13	JLS	SW846 827	0C7085614
208-96-8	Acenaphthylene	0.0519	U	mg/kg dry	0.0519	0.0790	1	08/31/07 14:13	JLS	SW846 827	0C7085614
120-12-7	Anthracene	0.0472	U	mg/kg dry	0.0472	0.0790	1	08/31/07 14:13	JLS	SW846 827	0C7085614
56-55-3	Benzo (a) anthracene	0.0436	U	mg/kg dry	0.0436	0.0790	1	08/31/07 14:13	JLS	SW846 827	0C7085614
50-32-8	Вепго (а) ругепе	0.0472	U	mg/kg dry	0.0472	0.0790	1	08/31/07 14:13	JLS	SW846 827	0C7085614
205-99-2	Benzo (b) fluoranthene	0.0448	U	mg/kg dry	0.0448	0.0790	1	08/31/07 14:13	JLS	SW846 827	0C7085614
191-24-2	Benzo (g,h,i) perylene	0.0318	U	mg/kg dry	0.0318	0.0790	1	08/31/07 14:13	JLS	SW846 827	0C7085614
207-08-9	Benzo (k) fluoranthene	0.0543	U	mg/kg dry	0.0543	0.0790	1	08/31/07 14:13	JLS	SW846 827	0C7085614
218-01-9	Chrysene	0.0460	ប	mg/kg dry	0.0460	0.0790	1	08/31/07 14:13	JLS	SW846 827	0C7085614
53-70-3	Dibenz (a,h) anthracene	0.0307	U	mg/kg dry	0.0307	0.0790	1	08/31/07 14:13	JLS	SW846 827	0C7085614
206-44-0	Fluoranthene	0.0495	ប	mg/kg dry	0.0495	0.0790	1	08/31/07 14:13	JLS	SW846 827	0C7085614
86-73 - 7	Fluorene	0.0507	U	mg/kg dry	0.0507	0.0790	1	08/31/07 14:13	JLS	SW846 827	0C7085614
193-39-5	Indeno (1,2,3-cd) pyrene	0.0401	U	mg/kg dry	0.0401	0.0790	1	08/31/07 14:13	JLS	SW846 827	0C7085614
91-20-3	Naphthalene	0.0472	U	mg/kg dry	0.0472	0.0790	1	08/31/07 14:13	JLS	SW846 827	0C7085614
85-01-8	Phenanthrene	0.0472	Ŭ	mg/kg dry	0.0472	0.0790	1	08/31/07 14:13	JLS	SW846 827	0C7085614
129-00-0	Pyrene	0.0554	U	mg/kg dry	0.0554	0.0790	1	08/31/07 14:13	JLS	SW846 827	0C7085614
90-12-0	1-Methylnaphthalene	0.0425	U	mg/kg dry	0.0425	0.0790	1	08/31/07 14:13	JLS	SW846 827	0C7085614
91-57-6	2-Methylnaphthalene	0.0425	U	mg/kg dry	0.0425	0.0790	1	08/31/07 14:13	JLS	SW846 827	0C7085614
Surrogate: 7	Terphenyl-d14 (49-123%)	63 %		•							
ш —	2-Fluorobiphenyl (30-93%)	63 %									
u	Nitrobenzene-d5 (34-87%)	58 %									

1135 not

LABORATORY REPORT

Sample ID: 1131 IRIS SIDE 02 TANK 2 - Lab Number: OQH0601-08 - Matrix: Solid/Soil

	— · · · · · · · · · · · · · · · · · · ·										
CAS#	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	Ву	Method	Batch
General (Chemistry Parameters								_		
NA	% Solids	88.3		%.	0.100	0.100	1	08/24/07 16:05	RRP	EPA 160.3	7H24050
Volatile C	Organic Compounds by EPA	Method 8260B	;								
71-43-2	Benzene	0.223		ug/kg dry	0.0818	0.223	1	08/29/07 14:39	JWT	EPA 8260B	7H27020
100-41-4	Ethylbenzene	0.402		ug/kg dry	0.0945	0.223	1	08/29/07 14:39	JWT	EPA 8260B	7H27020
91-20-3	Naphthalene	1.92		ug/kg dry	0.123	0.223	1	08/29/07 14:39	JWT	EPA 8260B	7H27020
108-88-3	Toluene	0.429		ug/kg dry	0.193	0.223	1	08/29/07 14:39	JWT	EPA 8260B	7H27020
1330-20-7	Xylenes, total	0.692		ug/kg dry	0.116	0.223	. 1	08/29/07 14:39	JWT	EPA 8260B	7H27020
Surrogate: I	,2-Dichloroethane-d4 (73-137%)	111%						•			
Surrogate: 4	-Bromofluorobenzene (59-118%)	93 %									
Surrogate: L	Dibromofluoromethane (55-145%)	105 %									
Surrogate: T	Coluene-d8 (80-117%)	98 %									
General (Chemistry Parameters % Dry Solids	88.3	SPS	%	0.500	0.500	1	08/24/07 16:05	AEB	SW-846	7085830
D = !	atia Huduaaanhana hu EDA 9	2700								•	

Polyaromatic Hydrocarbons by EPA 8270C



THE LEADER IN ENVIRONMENTAL TESTING

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

Client: EPG, INC.

PO BOX 1096

MT PLEASANT, SC 29465

JOHN MAHONEY Attn:

Work Order:

OQH0601

LAUREL BAY

Project: Project Number: EP-2362 Sampled:

08/17/07-08/20/07

08/24/07 Received:

LABORATORY REPORT

Sample ID: 1131 IRIS SIDE 02 TANK 2 - Lab Number: OQH0601-08 - Matrix: Solid/Soil

CAS#	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	Ву	Method	Batch
Polyarom	atic Hydrocarbons by EPA 82	70C								• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •
83-32-9	Acenaphthene	0.0402	U	mg/kg dry	0.0402	0.0749	t	08/31/07 05:39	RLB	SW846 8270C	7085614
208-96-8	Acenaphthylene	0.0492	U	mg/kg dry	0.0492	0.0749	1	08/31/07 05:39	RLB	SW846 8270C	7085614
120-12-7	Anthracene	0.0447	U	mg/kg dry	0.0447	0.0749	ı	08/31/07 05:39	RLB	SW846 8270C	7085614
56-55-3	Benzo (a) anthracene	0.0414	U	mg/kg dry	0.0414	0.0749	1	08/31/07 05:39	RLB	SW846 8270C	7085614
50-32-8	Benzo (a) pyrene	0.0447	υ	mg/kg dry	0.0447	0.0749	ı	08/31/07 05:39	RLB	SW846 8270C	7085614
205-99-2	Benzo (b) fluoranthene	0.0425	U	mg/kg dry	0.0425	0.0749	1	08/31/07 05:39	RLB	SW846 8270C	7085614
191-24-2	Benzo (g,h,i) perylene	0.0302	U	mg/kg dry	0.0302	0.0749	ı İ	08/31/07 05:39	RLB	SW846 8270C	7085614
207-08-9	Benzo (k) fluoranthene	0.0514	U	mg/kg dry	0.0514	0.0749	1	08/31/07 05:39	RLB	SW846 8270C	7085614
218-01-9	Chrysene	0.0436	U	mg/kg dry	0.0436	0.0749	1	08/31/07 05:39	RLB	SW846 8270C	7085614
53-70-3	Dibenz (a,h) anthracene	0.0291	υ	mg/kg dry	0.0291	0.0749	1	08/31/07 05:39	RLB	SW846 8270C	7085614
206-44-0	Fluoranthene	0.0469	υ	mg/kg dry	0.0469	0.0749	1	08/31/07 05:39	RLB	SW846 8270C	7085614
86-73-7	Fluorene	0.0481	ប	mg/kg dry	0.0481	0.0749	1	08/31/07 05:39	RLB	SW846 8270C	7085614
193-39-5	Indeno (1,2,3-cd) pyrene	0.0380	υ	mg/kg dry	0.0380	0.0749	1	08/31/07 05:39	RLB	SW846 8270C	7085614
91-20-3	Naphthalene	0.0447	ប	mg/kg dry	0.0447	0.0749	1	08/31/07 05:39	RLB	SW846 8270C	7085614
85-01-8	Phenanthrene	0.0447	U	mg/kg dry	0.0447	0.0749	1	08/31/07 05:39	RLB	SW846 8270C	7085614
129-00-0	Pyrene	0.0525	U	mg/kg dry	0.0525	0.0749	. 1 .	08/31/07 05:39	RLB	SW846 8270C	7085614
90-12-0	1-Methylnaphthalene	0.0402	ប	mg/kg dry	0.0402	0.0749	ı	08/31/07 05:39	RLB	SW846 8270C	7085614
91-57-6	2-Methylnaphthalene	0.0402	υ	mg/kg dry	0.0402	0.0749	i	08/31/07 05:39	RLB	SW846 8270C	7085614
Surrogate: Te	erphenyl-d14 (49-123%)	50 %									
Surrogate: 2-	Fluorobiphenyl (30-93%)	48 %						*	-		
Surrogate: Ni	iirobenzene-d5 (34-87%)	42 %									

Appendix C Laboratory Analytical Report - Groundwater





Pace Analytical Services, Inc. 2225 Riverside Dr. Asheville, NC 28804

(828)254-7176

Pace Analytical Services, Inc. 9800 Kincey Ave. Suite 100 Huntersville, NC 28078 (704)875-9092

ANALYTICAL RESULTS

Project:

LAUREL BAY SAMPLING 7/28/08

Pace Project No.: 9224472

Sample: 1052 GARDENIA B	Lab ID: 9224	472009	Collected:	07/28/0	8 10:10	Received:	07/30/08 17:00	Matrix: Water	
Parameters	Results	Units	Repor	t Limit	DF_	Prepared	Analyzed	CAS No.	Qua
270 MSSV PAH by SIM SPE 3510	Analytical Meth	od: EPA 8	270 by SIM F	Preparati	on Meth	od: EPA 3510			
Benzo(g,h,i)perylene	ND ug	L		0.20	1	07/31/08 00:0	00 08/12/08 08:3	8 191-24-2	
Benzo(k)fluoranthene	ND ug/	L		0.20	1	07/31/08 00:0	0 08/12/08 08:3	8 207-08-9	
Chrysene	ND ug			0.10	1	07/31/08 00:0	0 08/12/08 08:3	8 218-01-9	
Dibenz(a,h)anthracene	ND ug/			0.20	1	07/31/08 00:0	0 08/12/08 08:3	8 53-70-3	
Fluoranthene	ND ug			0.30	1	07/31/08 00:0	0 08/12/08 08:3	8 206-44-0	
Fluorene	ND ug/			0.31	1	07/31/08 00:0	0 08/12/08 08:3	8 86-73-7	
ndeno(1,2,3-cd)pyrene	ND ug/			0.20	1		0 08/12/08 08:3		
1-Methylnaphthalene	ND ug			2.0	1		00 08/12/08 08:3		
2-Methylnaphthalene	ND ug/			2.0	1		00 08/12/08 08:3		
Naphthalene	ND ug			1.5	1		00 08/12/08 08:3		
Phenanthrene	ND ug			0.20	1		00 08/12/08 08:3		
Pyrene				0.20	1		00 08/12/08 08:3		
Pyrene Nitrobenzene-d5 (S)	ND ug/	L					00 08/12/08 08:3		
	50 %			50-150	1				
2-Fluorobiphenyl (S)	55 %			50-150	1		00 08/12/08 08:3		
Terphenyl-d14 (S)	53 %		;	50-150	1	07/31/08 00:0	00 08/12/08 08:3	8 1/18-51-0	
3260 MSV Low Level	Analytical Meth	od: EPA 8	260						
Benzene	ND ug	'L		1.0	1		08/01/08 20:5	5 71-43-2	
Ethylbenzene	ND ug	'L		1.0	1		08/01/08 20:5	5 100-41-4	
Naphthalene	ND ug	'L		1.0	1		08/01/08 20:5	5 91-20-3	
Toluene	ND ug	'L		1.0	1		08/01/08 20:5	5 108-88-3	
m&p-Xylene	ND ug	'L		2.0	1		08/01/08 20:5	5 1330-20-7	
o-Xylene	ND ug	'L		1.0	1		08/01/08 20:5	5 95-47-6	
4-Bromofluorobenzene (S)	97 %			37-109	1		08/01/08 20:5	5 460-00-4	
Dibromofluoromethane (S)	97 %			85-115	1		08/01/08 20:5	5 1868-53-7	
1,2 -D ichloroethane-d4 (S)	98 %			79-120	1			5 17060-07-0	
Toluene-d8 (S)	100 %			70-120	1		08/01/08 20:5		
Sample: 1135 IRIS A	Lab ID: 9224	1472010	Collected:	07/28/0	8 18:25	Received:	07/30/08 17:00	Matrix: Water	
Parameters	Results	Units	Repor	t Limit	DF	Prepared	Analyzed	CAS No.	Qu
3270 MSSV PAH by SIM SPE 3510	Analytical Meth	od: EPA 8	270 by SIM F	Preparati	on Meth	od: EPA 3510			
Acenaphthene	ND ug	L		2.0	1	07/31/08 00:0	00 08/12/08 09:4	8 83-32-9	
Acenaphthylene	ND ug			1.5	1		00 08/12/08 09:4		
Anthracene	ND ug			0.050	1		00 08/12/08 09:4		
Benzo(a)anthracene	ND ug			0.10	1		00 08/12/08 09:4		
Benzo(a)pyrene	ND ug			0.20	1		00 08/12/08 09:4		
Benzo(b)fluoranthene	ND ug			0.20	1		00 08/12/08 09:4		
Benzo(g,h,i)perylene	ND ug			0.30	1		00 08/12/08 09:4		
Benzo(k)fluoranthene	ND ug				1		00 08/12/08 09:4		
				0.20			00 08/12/08 09:4		
Chrysene	ND ug			0.10	1		00 08/12/08 09:4		
Dibenz(a,h)anthracene	ND ug			0.20	1				
Fluoranthene Fluorene	ND ug ND ug			0.30 0.31	1		00 08/12/08 09:4 00 08/12/08 09:4		
						11//31/D8 DD:(ILL DISTENSION IN	x xn-/1-/	

Date: 08/13/2008 05:36 PM

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc. 2225 Riverside Dr. Asheville, NC 28804 (828)254-7176 Pace Analytical Services, Inc. 9800 Kincey Ave. Suite 100 Huntersville, NC 28078 (704)875-9092

ANALYTICAL RESULTS

Project:

LAUREL BAY SAMPLING 7/28/08

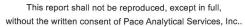
Pace Project No.: 9224472

Date: 08/13/2008 05:36 PM

Sample: 1135 IRIS A	Lab ID: 9224	472010	Collected: 07/28/0	8 18:25	Received: 07	/30/08 17:00 N	latrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qua
8270 MSSV PAH by SIM SPE 3510	Analytical Meth	od: EPA 82	70 by SIM Preparat	ion Meth	od: EPA 3510			
Indeno(1,2,3-cd)pyrene	ND ug/	L	0.20	1	07/31/08 00:00	08/12/08 09:48	193-39-5	
1-Methylnaphthalene	ND ug/		2.0	1	07/31/08 00:00	08/12/08 09:48	90-12-0	
2-Methylnaphthalene	2.3 ug/		2.0	1		08/12/08 09:48		
Naphthalene	2.8 ug/		1.5	1		08/12/08 09:48		
Phenanthrene	ND ug/		0.20	1		08/12/08 09:48		
Pyrene	ND ug/		0.10	1		08/12/08 09:48		
Nitrobenzene-d5 (S)	59 %	_	50-150	1		08/12/08 09:48		
2-Fluorobiphenyl (S)	58 %		50-150	1		08/12/08 09:48		
Terphenyl-d14 (S)	65 %							
			50-150	1	07/31/08 00:00	08/12/08 09:48	1710-51-0	
8260 MSV Low Level	Analytical Meth	od: EPA 82	60					
Benzene	ND ug/	_	1.0	1		08/01/08 21:19	71-43-2	
Ethylbenzene	ND ug/	_	1.0	1		08/01/08 21:19	100-41-4	
Naphthalene	ND ug/	_	1.0	1		08/01/08 21:19	91-20-3	
Toluene	ND ug/	_	1.0	1		08/01/08 21:19	108-88-3	
m&p-Xylene	ND ug/		2.0	1		08/01/08 21:19		
o-Xylene	ND ug/		1.0	1		08/01/08 21:19		
4-Bromofluorobenzene (S)	97 %		87-109	1		08/01/08 21:19		
Dibromofluoromethane (S)	97 %		85-115	1		08/01/08 21:19		
1,2-Dichloroethane-d4 (S)	101 %		79-120	1		08/01/08 21:19		
Toluene-d8 (S)	99 %		79-120	1		08/01/08 21:19		
(-)	00 70		70 120	•		00/01/00 21:10	2007 20 0	
Sample: 1137 IRIS D	Lab ID: 9224	472011	Collected: 07/28/0	8 18:30	Received: 07	/30/08 17:00 N	latrix: Water	
Sample: 1137 IRIS D Parameters	Lab ID: 9224	472011 Units	Collected: 07/28/0	08 18:30 DF	Received: 07 Prepared	/30/08 17:00 M Analyzed	Matrix: Water CAS No.	Qua
Parameters	Results	Units		DF	Prepared			Qua
Parameters 8270 MSSV PAH by SIM SPE 3510	Results	Units od: EPA 82	Report Limit	DF	Prepared od: EPA 3510		CAS No.	Qua
Parameters 8270 MSSV PAH by SIM SPE 3510 Acenaphthene	Results Analytical Methor	Units od: EPA 82	Report Limit 70 by SIM Preparati	DF on Meth	Prepared od: EPA 3510 07/31/08 00:00	Analyzed	CAS No. 83-32-9	Qua
Parameters 8270 MSSV PAH by SIM SPE 3510 Acenaphthene Acenaphthylene	Results Analytical Methor ND ug/ ND ug/	Units od: EPA 82	Report Limit 70 by SIM Preparati 2.0 1.5	DF on Meth	Prepared od: EPA 3510 07/31/08 00:00 07/31/08 00:00	Analyzed 08/12/08 10:11 08/12/08 10:11	CAS No. 83-32-9 208-96-8	Qua
Parameters 8270 MSSV PAH by SIM SPE 3510 Acenaphthene Acenaphthylene Anthracene	Analytical Methorn ND ug/ND ug	Units od: EPA 82	Report Limit 70 by SIM Preparati 2.0 1.5 0.050	DF fon Meth 1 1	Prepared od: EPA 3510 07/31/08 00:00 07/31/08 00:00 07/31/08 00:00	Analyzed 08/12/08 10:11 08/12/08 10:11 08/12/08 10:11	CAS No. 83-32-9 208-96-8 120-12-7	Qua
Parameters 8270 MSSV PAH by SIM SPE 3510 Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene	Analytical Methor ND ug/ ND ug/ ND ug/ ND ug/ ND ug/	Units od: EPA 82	Report Limit 70 by SIM Preparati 2.0 1.5 0.050 0.10	DF fon Meth 1 1 1	Prepared od: EPA 3510 07/31/08 00:00 07/31/08 00:00 07/31/08 00:00 07/31/08 00:00	Analyzed 08/12/08 10:11 08/12/08 10:11 08/12/08 10:11 08/12/08 10:11	CAS No. 83-32-9 208-96-8 120-12-7 56-55-3	Qua
Parameters 8270 MSSV PAH by SIM SPE 3510 Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(a)pyrene	Results Analytical Methodology ND ug/ ND ug/ ND ug/ ND ug/ ND ug/ ND ug/ ND ug/	Units Dod: EPA 82	Report Limit 70 by SIM Preparati 2.0 1.5 0.050 0.10 0.20	DF fon Meth 1 1 1 1	Prepared od: EPA 3510 07/31/08 00:00 07/31/08 00:00 07/31/08 00:00 07/31/08 00:00 07/31/08 00:00	Analyzed 08/12/08 10:11 08/12/08 10:11 08/12/08 10:11 08/12/08 10:11 08/12/08 10:11	CAS No. 83-32-9 208-96-8 120-12-7 56-55-3 50-32-8	Qua
Parameters 8270 MSSV PAH by SIM SPE 3510 Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene	Results Analytical Methodology ND ug/ ND ug/ ND ug/ ND ug/ ND ug/ ND ug/ ND ug/ ND ug/	Units Dod: EPA 82	Report Limit 70 by SIM Preparati 2.0 1.5 0.050 0.10 0.20 0.30	DF on Meth 1 1 1 1 1 1	Prepared od: EPA 3510 07/31/08 00:00 07/31/08 00:00 07/31/08 00:00 07/31/08 00:00 07/31/08 00:00 07/31/08 00:00	Analyzed 08/12/08 10:11 08/12/08 10:11 08/12/08 10:11 08/12/08 10:11 08/12/08 10:11 08/12/08 10:11	CAS No. 83-32-9 208-96-8 120-12-7 56-55-3 50-32-8 205-99-2	Qua
Parameters 8270 MSSV PAH by SIM SPE 3510 Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene	Results Analytical Methodology ND ug/ ND ug/ ND ug/ ND ug/ ND ug/ ND ug/ ND ug/ ND ug/ ND ug/ ND ug/	Units Dod: EPA 82	Report Limit 70 by SIM Preparati 2.0 1.5 0.050 0.10 0.20 0.30 0.20	DF 1 1 1 1 1 1 1 1 1 1	Prepared od: EPA 3510 07/31/08 00:00 07/31/08 00:00 07/31/08 00:00 07/31/08 00:00 07/31/08 00:00 07/31/08 00:00 07/31/08 00:00	Analyzed 08/12/08 10:11 08/12/08 10:11 08/12/08 10:11 08/12/08 10:11 08/12/08 10:11 08/12/08 10:11 08/12/08 10:11	CAS No. 83-32-9 208-96-8 120-12-7 56-55-3 50-32-8 205-99-2 191-24-2	Qua
Parameters 8270 MSSV PAH by SIM SPE 3510 Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene	Results ND ug/l ND ug/l ND ug/l ND ug/l ND ug/l ND ug/l ND ug/l ND ug/l ND ug/l ND ug/l ND ug/l ND ug/l	Units Dod: EPA 82	Report Limit 2.0 1.5 0.050 0.10 0.20 0.20 0.20	DF 1 1 1 1 1 1 1 1 1 1 1 1	Prepared od: EPA 3510 07/31/08 00:00 07/31/08 00:00 07/31/08 00:00 07/31/08 00:00 07/31/08 00:00 07/31/08 00:00 07/31/08 00:00 07/31/08 00:00	Analyzed 08/12/08 10:11 08/12/08 10:11 08/12/08 10:11 08/12/08 10:11 08/12/08 10:11 08/12/08 10:11 08/12/08 10:11 08/12/08 10:11	CAS No. 83-32-9 208-96-8 120-12-7 56-55-3 50-32-8 205-99-2 191-24-2 207-08-9	Qua
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REPORT OF LABORATORY ANALYSIS

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Appendix D Regulatory Correspondence



BOARD: Paul C. Aughtry, III Chairman

Edwin H. Cooper, III Vice Chairman

Steven G. Kisner Secretary



BOARD:

Henry C. Scott

Glenn A. McCall

M. David Mitchell, MD

Coleman F. Buckhouse, MD

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment

16 July 2008

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

Re:

MCAS - Laurel Bay Housing - 1135 Iris Lane

Site ID # 03939

UST Closure Reports received 31 January 2008

Beaufort County

Dear Mr. Broadfoot:

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

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

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

Sincerely,

Michael Bishop, Hydrogeologist Groundwater Quality Section

Bureau of Water

cc:

Region 8 District EQC (via pdf)

MCAS, Commanding Officer, Attention: S-4 NREAO (William Drawdy) (via pdf)

Technical File



C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

18 December 2008

Commanding Officer ATTN: S-4 NREAO (Craig Ehde) MCAS PO Box 55001 Beaufort, SC 29904-5001

Re: MCAS – Laurel Bay Housing – 1135 Iris

Site ID # 03939

Groundwater Sampling Results received 6 November 2008

Beaufort County

Dear Mr. Ehde:

Per the Department's request, a groundwater sample was collected from the referenced site. The groundwater results were reported as non-detect and/or below EPA PRG's. 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 803-896-4179 (office phone), 803-896-6245 (fax) or cookejt@dhec.sc.gov.

Sincerely,
AST Petroleum Restoration
& Site Environmental Investigations Section
Land Revitalization Division
Bureau of Land and Waste Management
SC Dept. of Health & Environmental Control

Jan T. Cooke, Hydrogeologist

B. Thomas Kright, Manager

cc: Region 8 District EQC

Tri-Command Communities; Attn: Mr. Robert Bible; 600 Laurel Bay Road Beaufort, SC

29906

Technical File